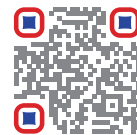


PIPE COLD CUTTING AND BEVELLING MACHINES

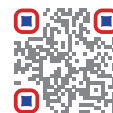


PIPE EQUIPMENT SPECIALISTS

AN **S F E** GROUP BRAND

BROCHURE

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.

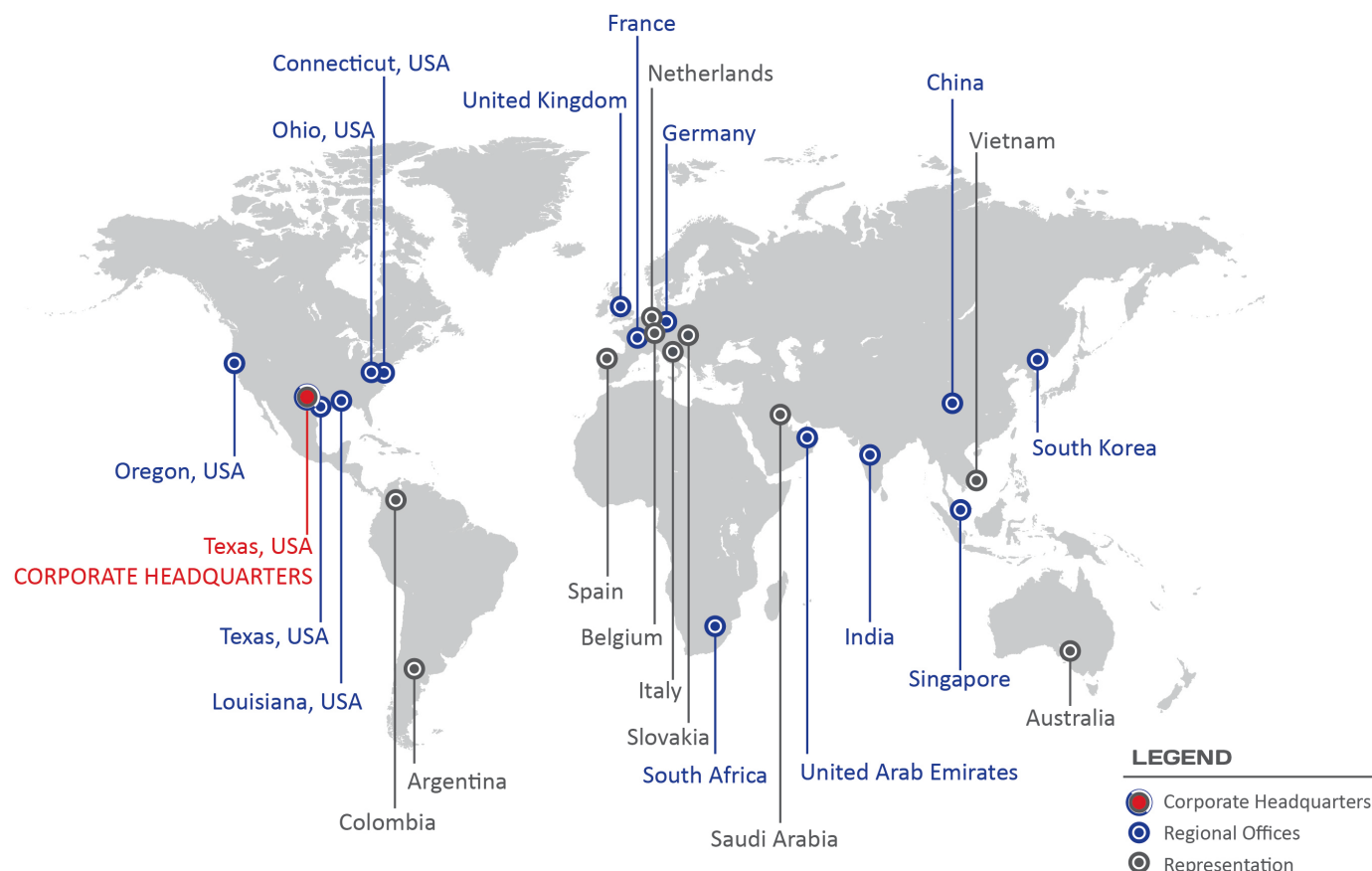
Leveraging over 200 years of combined experience in engineering, manufacturing, and field applications, the **S.F.E. Group** is committed to driving innovation. Through continuous product development and strategic acquisitions, the **S.F.E. Group** is actively growing its portfolio and expanding its 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

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. 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, 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.

INDUSTRIES SERVED



OUR BRANDS

CLIMAX



H&S TOOL

MATHEY DEARMAN

AXXAIR

MAGNATECH

B&B SUMNER

CALDER

BORTECH

PPM PIPE PURGE MASTERS

FIT-UP PRO

SUMNER MATERIAL LIFTS

Our group policy is one of continuous improvements and acquisitions. Products and data tables are subject to change and may vary from those illustrated. Copyright © 2026 Specialized Fabrication Equipment Group, All rights reserved.

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INTRODUCTION TO S.F.E. GROUP

3

INTRODUCTION TO TAG PIPE

5

PREP PORTABLE PIPE BEVELLING MACHINES

5

PREP 2 PORTABLE PIPE BEVELLING MACHINE
0.9 - 1.65" / 23 - 42 mm
(optional from 0.5" i/d / 12.5 mm i/d)

9

PREP 3 PORTABLE PIPE BEVELLING
1.1 - 2.99" / 28 - 76 mm
(optional from 0.8" i/d / 20 mm i/d)

13

PREP 4 PORTABLE PIPE BEVELLING
1.1 - 4.40" / 23 - 112 mm

17

PREP 4 PORTABLE FLANGE FACING MACHINE
AND ACCESSORY
1.1 - 4.40" / 23 - 112 mm

21

PREP 8 PORTABLE PIPE BEVELLING
1.93 - 8.46" / 48 - 215 mm

25

PREP 16 PORTABLE PIPE BEVELLING
2.8 - 15.75" / 72 - 400 mm

29

PREP 24 PORTABLE PIPE BEVELLING
6.89 - 23.62" / 175 - 600 mm

33

PREP 16 AND PREP 24 ELBOW / FITTING PIPE
BEVELLING MACHINE

35

PANEL PREP MACHINES
0.3 - 4" / 8 - 108 mm



37

PIPE COLD CUTTING MACHINES

39

SPLIT FRAME CLAMSHELL COLD CUTTING
AND BEVELLING MACHINES
1 - 48" o/d / 33.4 - 1,220 mm o/d

49

SPLIT FRAME CLAMSHELL COLD CUTTING
AND BEVELLING MACHINES
48 - 120" o/d / 1,220 - 3,050 mm o/d

59

E-Z FAB PIPE CUTTING AND
BEVELLING MACHINES
2 - 16" o/d / 60 - 420 mm o/d

65

HANDHELD PLATE BEVELLING MACHINES

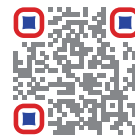
67

PMM155

69

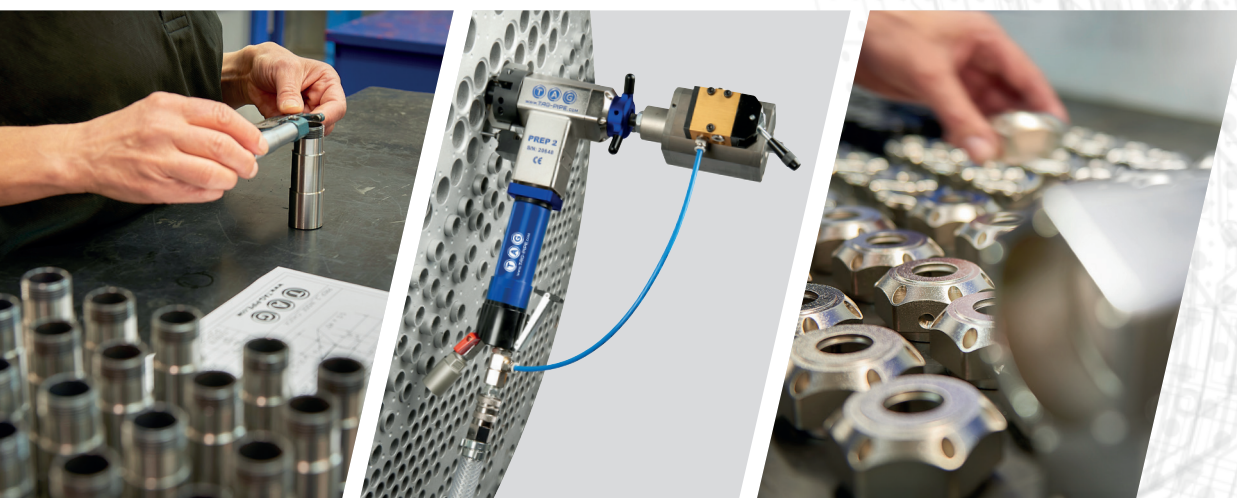
PMM200

PREP 2 PORTABLE PIPE BEVELLING MACHINE

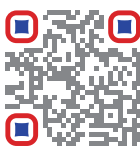


0.9 - 1.65" i/d / 23 - 42 mm i/d

(optional from 0.5" i/d / 12.5 mm i/d)



SCAN QR CODE
TO WATCH VIDEO



PIPE EQUIPMENT SPECIALISTS
AN AEGEE GROUP BRAND



0.9 - 1.65" i/d / 23 - 42 mm i/d
(optional from 0.5" i/d / 12.5 mm i/d)

- **Functions:** External beveling / internal beveling / elbow and fittings beveling / facing, counter-boring / weld removal / J-prepping and facing of tube plate
- **Materials:** Any kind of steel and exotic alloy
- **Power:** Pneumatic, electric or battery (110v or 220v)

The smallest in our range of i/d locking, direct in-line feed end prep machines. The PREP 2 is small, light weight, yet powerful, in electric, battery (110v or 220v) or pneumatic drive form. A 4-jaw tool holder (chuck) allows use of up to 4 formed tools to enable weld preparation of thin wall tube, or heavy wall pipe. Simultaneous external and internal beveling 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. Also used extensively on power station shutdowns for boiler panel bevels.

FEATURES AND ADVANTAGES

The PREP 2 is torque reactive. This means that the pipe or tube does not have to be fixed to be bevelled, 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 equilateral 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 tightened, the jaws expand, locking tightly, and square to the bore of the pipe.

The machine body is CNC machined out of solid aluminum and nickel plated. This ensures strength and leads to precise tolerances on all components, resulting in a stable heavy duty machine that does not move under load, we also ensure all components are treated utilising the latest technologies to ensure durability.



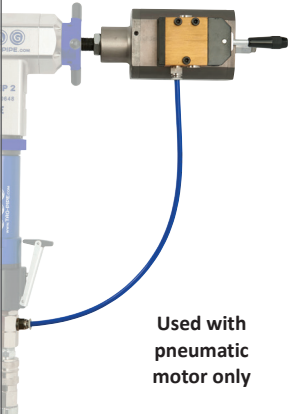
POWER OPTIONS:

PNEUMATIC  PART NO. TP2P	ELECTRIC  PART NO. TP2E110 PART NO. TP2E220	BATTERY  PART NO. TP2B110* PART NO. TP2B220*	PNEUMATIC AUTO LOCK  PART NO. TP2PALD	COMPLETE LEVER  PART NO. TP2PALL
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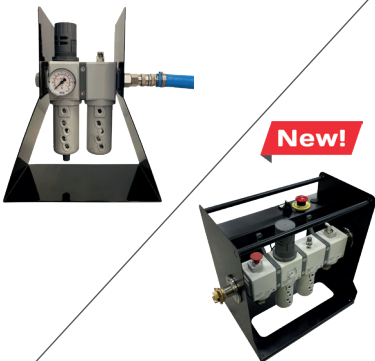
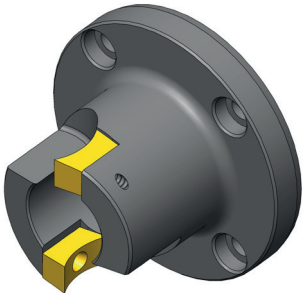
* LOGISTICS NOTE – UN3481 COMPLIANCE

In accordance with UN3481 regulations governing the transport of lithium batteries, this machine cannot be shipped by air. Authorized transport modes: road and sea only. Any request for air shipment cannot be accommodated. If required, alternative models without battery or charger, compliant with air transport regulations, can be offered : **PART NO. TP2B**

ACCESSORIES AND OPTIONS:

REDUCED SHAFT 0.5 - 0.9" i/d 12.5 - 23 mm i/d  PART NO. TP2RSK	ELBOW / FITTINGS SHAFT ** 1 - 2" i/d 26 - 51 mm i/d  PART NO. TP2ESK	AUTO LOCK  Used with pneumatic motor only PART NO. TP2ALD	RATCHET HANDLES  PART NO. TP2RHK
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** Contact us to confirm elbow radius

FEED STOPPER AND LIFTING EYE  PART NO. TP2-3-4FSK (FEED STOPPER) PART NO. P2P78 (LIFTING EYE)	AIR FILTER LUBRICATORS  New! WITH EMERGENCY STOP PART NO. AFL1 / PART NO. DEFE-FRL5	MILLING HEADS  PART NO. CTBHSF***
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*** Diameter/custom project accessory

PREP 2 TECHNICAL FEATURES

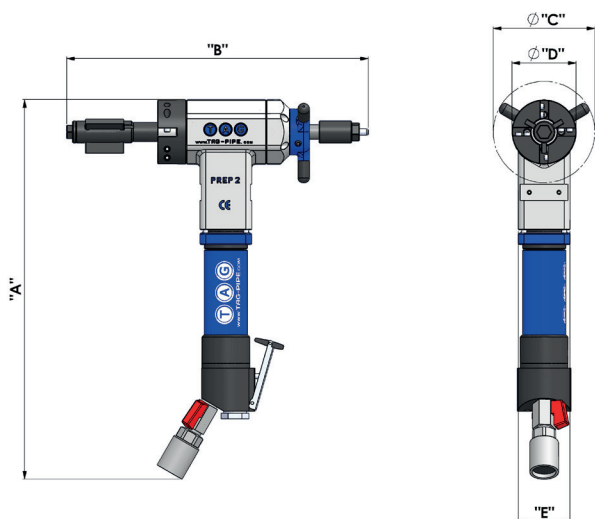
DESCRIPTION	MEASUREMENT	PNEUMATIC	ELECTRIC	BATTERY
Part Number	n/a	TP2P / TP2PALD / TP2PALL	TP2E110 / TP2E220	TP2B110* / TP2B220*
Locking tube range	mm (i/d)	23 - 42 mm optional from 12.5	23 - 42 mm optional from 12.5	23 - 42 mm optional from 12.5
Locking tube range	inch (i/d)	0.9 - 1.65" optional from 0.5"	0.9 - 1.65" optional from 0.5"	0.9 - 1.65" optional from 0.5"
Idle speed	rpm	5 - 215	5 - 250	80 / 120 / 160
Torque	N m	56	50	60
Length of axial feed	mm	24	24	24
Max operating temperature	°C	55	55	55
Max acoustic radiation	dB	75	75	75
Pneumatic motor power	hp	0.7	n/a	n/a
Air consumption	cfm / l/min.	28 / 800	n/a	n/a
Air working pressure	psi / bar	90 / 6.5	n/a	n/a
Air hose connection	inches	½"	n/a	n/a
Electric motor power	watt	n/a	720	800
Voltage	volt	n/a	110 or 220	charger 110 or 220
Frequency	Hz	n/a	50 / 60	charger 50 / 60
Unit weight	kg / lbs	4.8 / 10.6	5.5 / 12	5.7 / 12.5
Packing dimensions	mm	545 x 400 x 120	545 x 400 x 120	560 x 570 x 120
Packing weight	kg / lbs	13.5 / 30	14.5 / 32	15.5 / 34

Our group policy is one of continuous improvement. Products and data tables are subject to change and may vary from those illustrated.

- 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 custom built metal box.
- Pneumatic machine must be used with filter lubricator and oil - use without will void warranty.



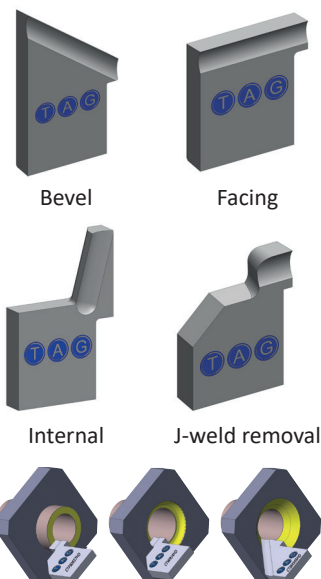
DIMENSIONS



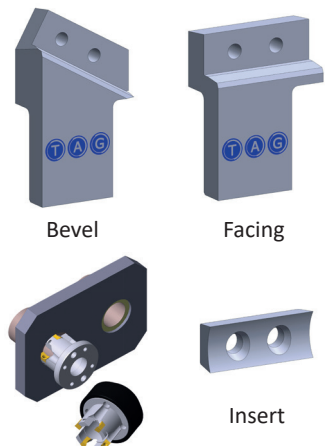
DIM	PNEUMATIC	ELECTRIC	BATTERY
A	400 mm	430 mm	470 mm
B	316 mm	316 mm	316 mm
ØC	106 mm	106 mm	106 mm
ØD	67 mm	67 mm	67 mm
E	54 mm	72 mm	72 mm

EXAMPLES OF COMMON CUTTING TOOLS

FORMED TOOLS



HOLDER / INSERT

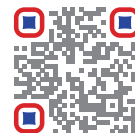


All shapes, sizes and angles available

Specific tooling for automatic orbital welding applications with Axxair and Magnatech is available.



PREP 3 PORTABLE PIPE BEVELLING MACHINE

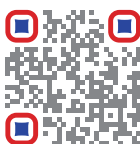


1.1 - 2.99" i/d / 28 - 76 mm i/d

(optional from 0.8" i/d / 20 mm i/d)



SCAN QR CODE
TO WATCH VIDEO



PIPE EQUIPMENT SPECIALISTS
AN  GROUP BRAND



1.1 - 2.99" i/d / 28 - 76 mm i/d
(optional from 0.8" i/d / 20 mm i/d)

- **Functions:** External beveling / internal beveling / elbow and fittings beveling / facing / counter-boring / weld removal / J-prepping and facing of tube plate
- **Materials:** Any kind of steel and exotic alloy
- **Power:** Pneumatic, electric or battery (110v or 220v)

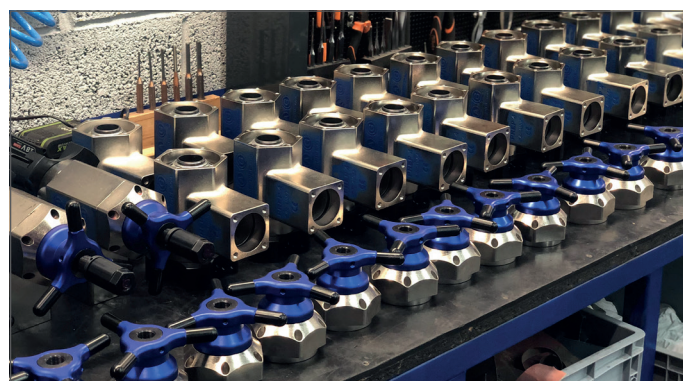
The PREP 3 is a popular i/d locking, in-line feed end prep machines. The PREP 3's power to weight ratio, in electric, battery (110v or 220v), or pneumatic drive form is unrivalled. A 4-jaw tool holder (chuck) allows use of up to 4 insert or formed tools to enable beveling of heavy wall pipe and tube. 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 plates and panels.

FEATURES AND ADVANTAGES

The PREP 3 is torque reactive. This means that the pipe or tube does not have to be fixed to be bevelled, 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 equilateral 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 tightened, the jaws expand, locking tightly, and square to the bore of the pipe.

The machine body is CNC machined out of solid aluminum and nickel plated. This ensures strength and leads to precise tolerances on all components, resulting in a stable heavy duty machine that does not move under load, we also ensure all components are treated utilising the latest technologies to ensure durability.



POWER OPTIONS:

PNEUMATIC



PART NO. TP3P

ELECTRIC



PART NO. TP3E110
PART NO. TP3E220

BATTERY



PART NO. TP3B110*
PART NO. TP3B220*

PNEUMATIC AUTO LOCK



PART NO. TP3PALD

* **LOGISTICS NOTE – UN3481 COMPLIANCE**

In accordance with UN3481 regulations governing the transport of lithium batteries, this machine cannot be shipped by air. Authorized transport modes: road and sea only. Any request for air shipment cannot be accommodated. If required, alternative models without battery or charger, compliant with air transport regulations, can be offered : **PART NO. TP3B**

ACCESSORIES AND OPTIONS:

REDUCED SHAFT

0.8 - 1.2" i/d
20 - 30 mm i/d



PART NO. TP3RSKV2

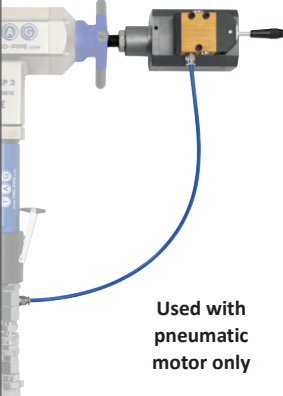
ELBOW / FITTINGS SHAFT **

1.1 - 2.99" i/d
28 - 76 mm i/d



PART NO. TP3ESKV2

AUTO LOCK



Used with
pneumatic
motor only

PART NO. TP3-4ALD

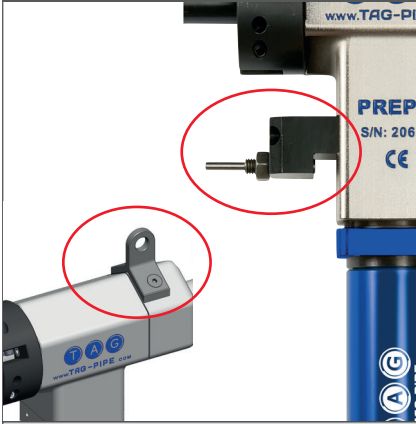
RATCHET HANDLES



PART NO. TP3RHKV2

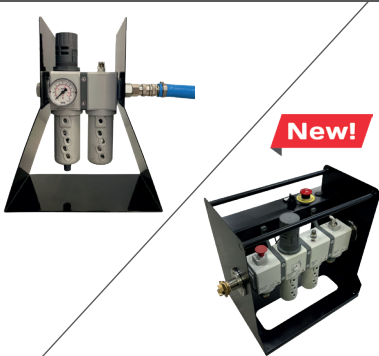
** Contact us to confirm elbow radius

FEED STOPPER AND LIFTING EYE



PART NO. TP2-3-4FSK (FEED STOPPER)
PART NO. P2P78 (LIFTING EYE)

AIR FILTER LUBRICATORS FOR PNEUMATIC MACHINES

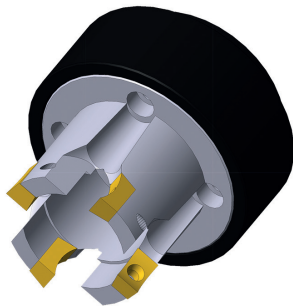


New!

WITH EMERGENCY STOP

PART NO. AFL1 / PART NO. DEFE-FRL5

MILLING HEADS



PART NO. CTMHBMR**

*** Diameter/custom project accessory

PREP 3 TECHNICAL FEATURES

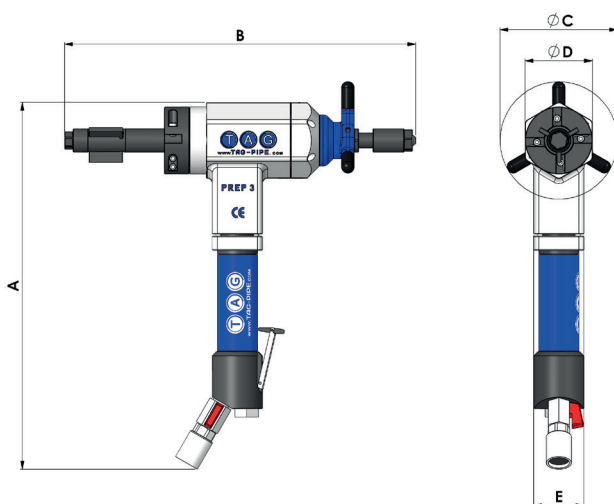
DESCRIPTION	MEASUREMENT	PNEUMATIC	ELECTRIC	BATTERY
Part Number	n/a	TP3P / TP3PALD	TP3E110 / TP3E220	TP3B110* / TP3B220*
Locking tube range	mm (i/d)	28 - 76 mm optional from 20	28 - 76 mm optional from 20	28 - 76 mm optional from 20
Locking tube range	inch (i/d)	1.1 - 2.99" optional from 0.8"	1.1 - 2.99" optional from 0.8"	1.1 - 2.99" optional from 0.8"
Idle speed	rpm	5 - 120	5 - 82	23 / 37 / 50
Torque	N m	140	152	140
Length of axial feed	mm	40.5	40.5	40.5
Max operating temperature	°C	55	55	55
Max acoustic radiation	dB	75	75	75
Pneumatic motor power	hp	1.35	n/a	n/a
Air consumption	cfm / l/min.	36 / 1020	n/a	n/a
Air working pressure	psi / bar	90 / 6.5	n/a	n/a
Air hose connection	inches	½"	n/a	n/a
Electric motor power	watt	n/a	1300	800
Voltage	volt	n/a	110 or 220	charger 110 or 220
Frequency	Hz	n/a	50 / 60	charger 50 / 60
Unit weight	kg / lbs	8.9 / 19.5	9.9 / 22	10.4 / 23
Packing dimensions	mm	640 x 500 x 140	640 x 500 x 140	640 x 640 x 140
Packing weight	kg / lbs	23 / 51	24 / 53	25 / 55

Our group policy is one of continuous improvement. Products and data tables are subject to change and may vary from those illustrated.

- 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 custom built metal box.
- Pneumatic machine must be used with filter lubricator and oil - use without will void warranty.



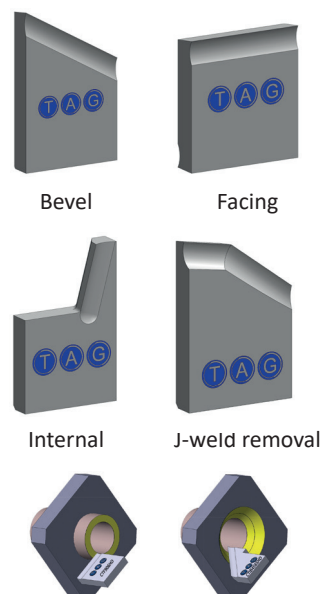
DIMENSIONS



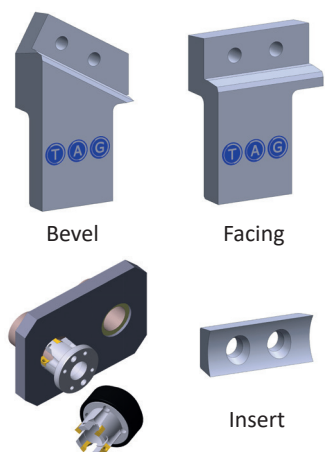
DIM	PNEUMATIC	ELECTRIC	BATTERY
A	435 mm	500 mm	530 mm
B	402 mm	402 mm	402 mm
ØC	140 mm	140 mm	140 mm
ØD	80 mm	80 mm	80 mm
E	60 mm	90 mm	90 mm

EXAMPLES OF COMMON CUTTING TOOLS

FORMED TOOLS



HOLDER / INSERT



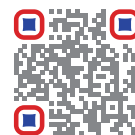
All shapes, sizes and angles available

Specific tooling for automatic orbital welding applications with Axxair and Magnatech is available.

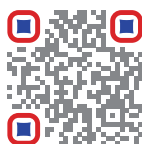


PREP 4 PORTABLE PIPE BEVELLING MACHINE

0.9 - 4.40" i/d / 23 - 112 mm i/d



SCAN QR CODE
TO WATCH VIDEO



PIPE EQUIPMENT SPECIALISTS
AN AEGEE GROUP BRAND



0.9 - 4.40" i/d / 23 - 112 mm i/d

- **Functions:** External beveling / internal beveling / elbow and fittings beveling / facing / counter-boring / weld removal / J-prepping and facing of tube plate
- **Materials:** Any kind of steel and exotic alloy
- **Power:** Pneumatic, electric or battery (110v or 220v)

The PREP 4 is one of our most popular i/d locking, in-line feed end prep machines. The PREP 4's power to weight ratio, in electric, battery (110v or 220v), or pneumatic drive form is unrivalled. A 4-jaw tool holder (chuck) allows use of up to 4 insert or formed tools to enable beveling of heavy wall pipe and 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.

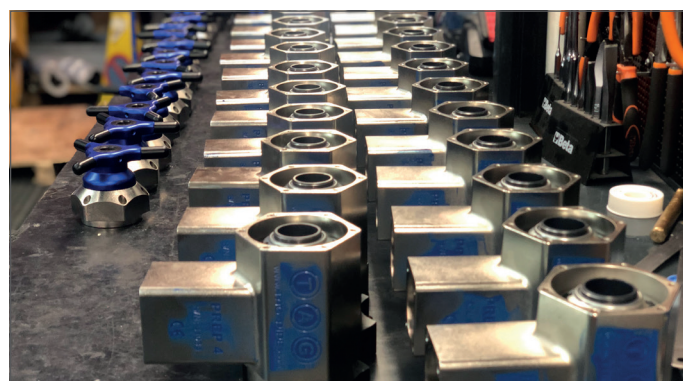


FEATURES AND ADVANTAGES

The PREP 4 is torque reactive. This means that the pipe or tube does not have to be fixed to be bevelled, 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 equilateral 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 tightened, the jaws expand, locking tightly, and square to the bore of the pipe.

The machine body is CNC machined out of solid aluminum and nickel plated. This ensures strength and leads to precise tolerances on all components, resulting in a stable heavy duty machine that does not move under load, we also ensure all components are treated utilising the latest technologies to ensure durability.



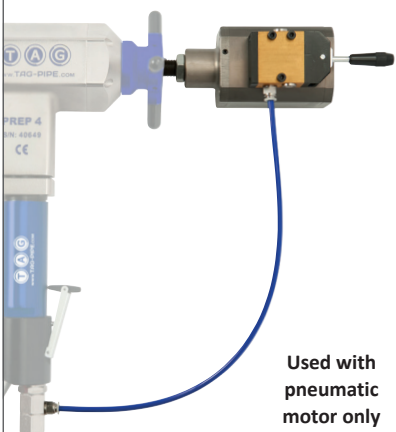
POWER OPTIONS:

PNEUMATIC  PART NO. TP4P	ELECTRIC  PART NO. TP4E110 PART NO. TP4E220	BATTERY  PART NO. TP4B110* PART NO. TP4B220*	PNEUMATIC AUTO LOCK  PART NO. TP4PALD
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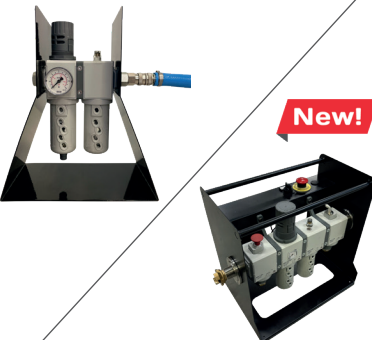
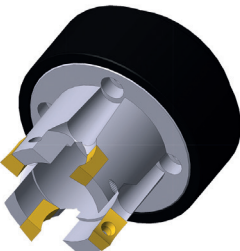
*** LOGISTICS NOTE – UN3481 COMPLIANCE**

In accordance with UN3481 regulations governing the transport of lithium batteries, this machine cannot be shipped by air. Authorized transport modes: road and sea only. Any request for air shipment cannot be accommodated. If required, alternative models without battery or charger, compliant with air transport regulations, can be offered : **PART NO. TP4B**

ACCESSORIES AND OPTIONS:

ELBOW / FITTINGS SHAFT ** 1.5 - 4" i/d 38 - 111 mm i/d  PART NO. TP4ESKV2	AUTO LOCK  Used with pneumatic motor only PART NO. TP3-4ALD	RATCHET HANDLES  PART NO. TP4RHKV2
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**** Contact us to confirm elbow radius**

FEED STOPPER AND LIFTING EYE  PART NO. TP2-3-4FSK (FEED STOPPER) PART NO. P2P78 (LIFTING EYE)	AIR FILTER LUBRICATORS FOR PNEUMATIC MACHINES  New! WITH EMERGENCY STOP PART NO. AFL1 / PART NO. DEFE-FRL5	MILLING HEADS  PART NO. CTMH***BMR
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***** Diameter/custom project accessory**

PREP 4 TECHNICAL FEATURES

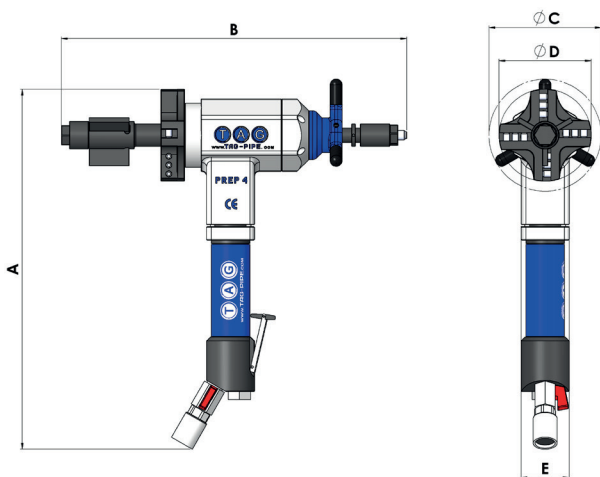
DESCRIPTION	MEASUREMENT	PNEUMATIC	ELECTRIC	BATTERY
Part Number	n/a	TP4P / TP4PALD	TP4E110 / TP4E220	TP4B110* / TP4B220*
Locking tube range	mm (i/d)	23 - 112 mm	23 - 112 mm	23 - 112 mm
Locking tube range	inch (i/d)	0.9 - 4.40"	0.9 - 4.40"	0.9 - 4.40"
Idle speed	rpm	5 - 100	5 - 82	23 / 37 / 50
Torque	N m	176	152	140
Length of axial feed	mm	40.5	40.5	40.5
Max operating temperature	°C	55	55	55
Max acoustic radiation	dB	75	75	75
Pneumatic motor power	hp	1.35	n/a	n/a
Air consumption	cfm / l/min.	36 / 1020	n/a	n/a
Air working pressure	psi / bar	90 / 6.5	n/a	n/a
Air hose connection	inches	½"	n/a	n/a
Electric motor power	watt	n/a	1300	800
Voltage	volt	n/a	110 or 220	charger 110 or 220
Frequency	Hz	n/a	50 / 60	charger 50 / 60
Unit weight	kg / lbs	9.4 / 20.7	10.4 / 23	11.1 / 24.5
Packing dimensions	mm	640 x 500 x 140	640 x 500 x 140	640 x 640 x 140
Packing weight	kg / lbs	28.5 / 63	29.5 / 65	30.5 / 67

Our group policy is one of continuous improvement. Products and data tables are subject to change and may vary from those illustrated.

- TAG Prep 4 is standard supplied with two shafts. The smaller shaft covers from 23 to 36 mm (0.9 - 1.41") and the larger shaft from 35 to 112 mm (1.38 - 4.40").
- 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 custom built metal box.
- Pneumatic machine must be used with filter lubricator and oil - use without will void warranty.



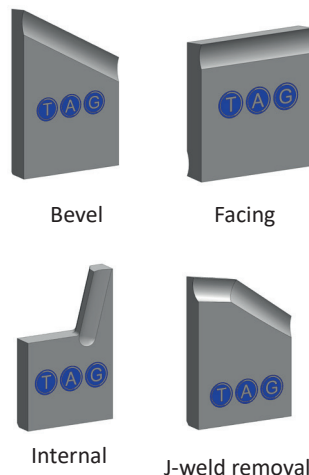
DIMENSIONS



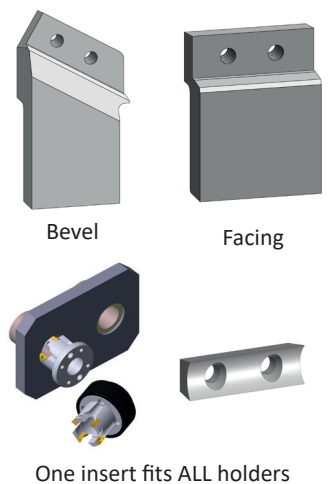
DIM	PNEUMATIC	ELECTRIC	BATTERY
A	455 mm	510 mm	540 mm
B	434 mm	434 mm	434 mm
ØC	140 mm	140 mm	140 mm
ØD	115 mm	115 mm	115 mm
E	60 mm	90 mm	90 mm

EXAMPLES OF COMMON CUTTING TOOLS

FORMED TOOLS



HOLDER / INSERT

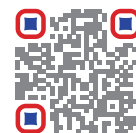


All shapes, sizes and angles available

Specific tooling for automatic orbital welding applications with Axxair and Magnatech is available.



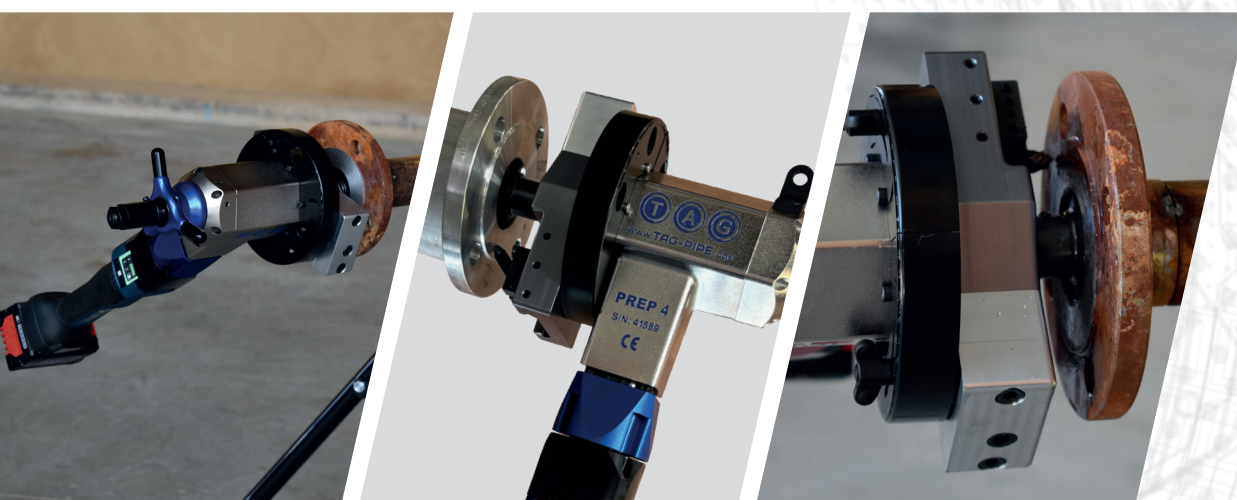
PREP 4 PORTABLE FLANGE FACING MACHINE / ACCESSORY



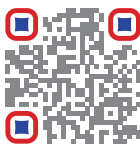
I/D facing diameter: 1.18 - 7" / 30 - 180 mm

I/D clamping range: 1 - 4" / 23 - 112 mm

New!



SCAN QR CODE
TO WATCH VIDEO



PIPE EQUIPMENT SPECIALISTS
AN S&S GROUP BRAND

PRODUCT BROCHURE

www.TAG-PIPE.com



ID facing diameter: 1.18 - 7" / 30 - 180 mm

ID clamping range: 1 - 4" / 23 - 112 mm

- **Functions:** Flat face, raised flanges and spot facing
- **Materials:** Any kind of steel and exotic alloy
- **Power:** Pneumatic, electric or battery (110v or 220v)

The PREP 4 flange facing machine is a highly versatile and precision-engineered solution designed for accurate flange facing and resurfacing applications. Building on the proven performance of the PREP 4 machine body, this machine delivers exceptional surface finish quality using a phonographic feed system. Available in pneumatic, electric, or battery (110V or 220V) drive options, the PREP 4 flange facing machine combines power, portability, and adaptability for both on-site and workshop environments.

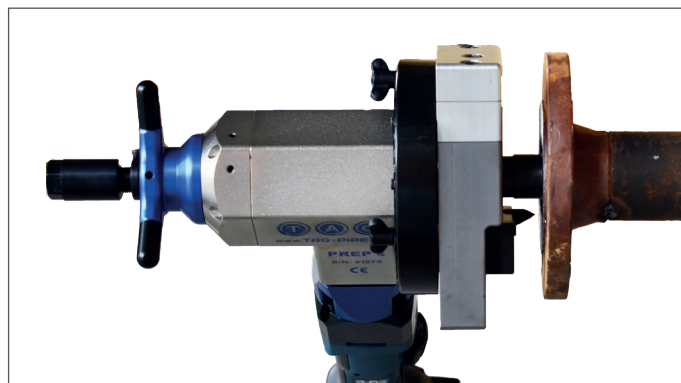
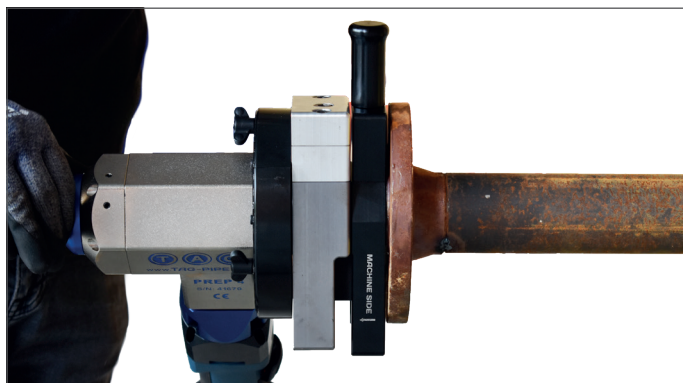
FEATURES AND ADVANTAGES

Engineered to handle flat face and raised face flanges, as well as spot facing operations, the machine delivers consistent, repeatable results across a wide range of diameters and materials, including carbon steel, stainless steel, and exotic alloys. Its precision feed control system features three interchangeable feed screws, enabling operators to achieve smooth, stock, and rough surface finishes from 63 to 250 RMS to meet critical gasket sealing requirements.

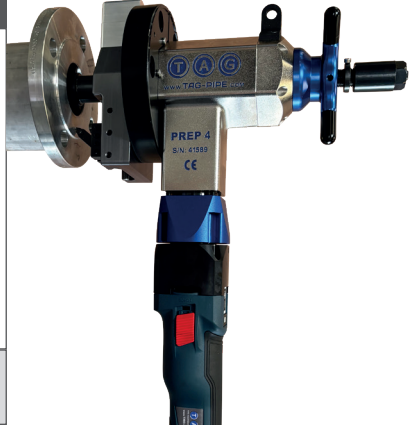
The robust yet compact design makes it ideal for flange repair, pipeline and valve maintenance, and workshop flange preparation across industries including oil & gas, petrochemical, power generation, marine, and water treatment. Its heavy-duty construction ensures reliable performance in demanding environments, while its portability allows for efficient on-site deployment.

The PREP 4 Flange Facing Machine utilises an internal collet clamping system for secure, accurate mounting, ensuring stability throughout machining. Combined with a range of standard and custom tooling options, it provides maximum flexibility for a wide variety of flange facing applications.

Additionally, TAG offers this system as a flange facing conversion kit, allowing existing PREP 4 pipe beveling machines to be easily adapted for flange facing operations, further enhancing the machine's versatility and value.



ELBOW VERSION (RECOMMENDED) - POWER OPTIONS:

PNEUMATIC	ELECTRIC	BATTERY	
			
PART NO. TP4PFFPE	PART NO. TP4E110FFPE PART NO. TP4E220FFPE	PART NO. TP4B110FFPE* PART NO. TP4B220FFPE*	

STANDARD VERSION - POWER OPTIONS:

PNEUMATIC	ELECTRIC	BATTERY
		
PART NO. TP4PFFP	PART NO. TP4E110FFP PART NO. TP4E220FFP	PART NO. TP4B110FFP* PART NO. TP4B220FFP*

* **LOGISTICS NOTE – UN3481 COMPLIANCE** : In accordance with UN3481 regulations governing the transport of lithium batteries, this machine cannot be shipped by air. Authorized transport modes: road and sea only. Any request for air shipment cannot be accommodated. If required, alternative models without battery or charger, compliant with air transport regulations, can be offered : **PART NO. TP4BFFP (standard) / TP4BFFPE (elbow)**.

ACCESSORIES

For customers with existing TAG PREP 4 Pipe bevelling machines, the following accessories are required to convert the machine into a TAG PREP 4 flange facing machine.

ELBOW KIT	CONVERSION KIT FOR PREP 4 PIPE BEVELLING MACHINE**
 Included in the kit: • Elbow shaft • Elbow leg sets • Flange alignment positioner	 Included in the kit: • Feed screws (3) • Threaded bushing • Tool kit • Tool holder assembly • Ring gear • Protector • Flange assembly
PART NO. TP4ESKV2FFP	PART NO. TP4FFKP

AIR FILTER LUBRICATOR FOR PNEUMATIC MACHINES ONLY

Air filter lubricators, delivering clean, regulated airflow and reliable performance, with an optional integrated emergency stop for enhanced safety.

 PART NO. AFL1	New!  with emergency stop PART NO. DEFE-FRL5
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** Compatible with all Prep 4 machines and shafts; machines already equipped with an elbow shaft require the addition of the positioner alongside the kit.

PREP 4 FLANGE FACING MACHINE TECHNICAL FEATURES

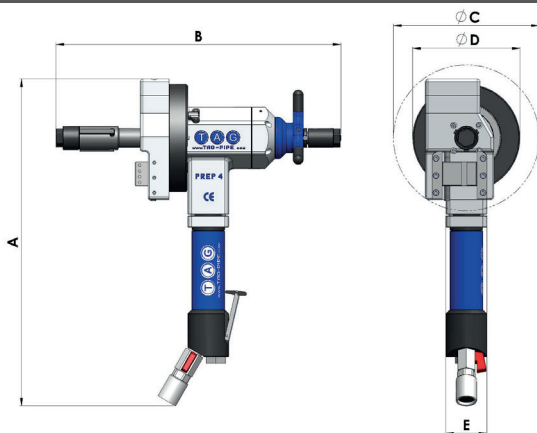
DESCRIPTION	MEASUREMENT	PNEUMATIC		ELECTRIC		BATTERY	
Version	Standard / Elbow	Standard	Elbow	Standard	Elbow	Standard	Elbow
Part Number	n/a	TP4PFFP	TP4PFFPE	TP4E110FFP / TP4E220FFP	TP4E110FFPE / TP4E220FFPE	TP4B110FFP* / TP4B220FFP*	TP4B110FFPE* / TP4B220FFPE*
Working flange range	mm (i/d)	30 - 180	30 - 180	30 - 180	30 - 180	30 - 180	30 - 180
Working flange range	inch (i/d)	1.18 - 7	1.18 - 7	1.18 - 7	1.18 - 7	1.18 - 7	1.18 - 7
Clamping range	mm (i/d)	23 - 112	38 - 111	23 - 112	38 - 111	23 - 112	38 - 111
Clamping range	inch (i/d)	1 - 4	1.5 - 4	1 - 4	1.5 - 4	1 - 4	1.5 - 4
Idle speed	rpm	5 - 100		5 - 82		23 / 37 / 50	
Torque	N m	176		152		140	
Length of axial feed	mm	5		5		5	
Max operating temperature	°C	55		55		55	
Max acoustic radiation	dB	75		75		75	
Pneumatic motor power	hp	1.35		n/a		n/a	
Air consumption	cfm / l/min.	36 / 1020		n/a		n/a	
Air working pressure	psi / bar	90 / 6.5		n/a		n/a	
Air hose connection	inches	½"		n/a		n/a	
Electric motor power	watt	n/a		1300		800	
Voltage	volt	n/a		110 or 220		charger 110 or 220	
Frequency	Hz	n/a		50 / 60		charger 50 / 60	
Surface finish options	Rms	63 - 250 rms		63 - 250 rms		63 - 250 rms	
Compliance	n/a	ASME B16.5, CE		ASME B16.5, CE		ASME B16.5, CE	
Unit weight	kg / lbs	11.9 / 26.2		12.9 / 28.4		13.6 / 29.9	
Packing dimensions	mm	625 x 633 x 203		625 x 633 x 203		625 x 633 x 203	
Packing weight	kg / lbs	31.4 / 69.2		32.4 / 71.4		33.1 / 72.9	

Our group policy is one of continuous improvement. Products and data tables are subject to change and may vary from those illustrated.

- 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 custom built metal box.
- Pneumatic machine must be used with filter lubricator and oil - use without will void warranty.



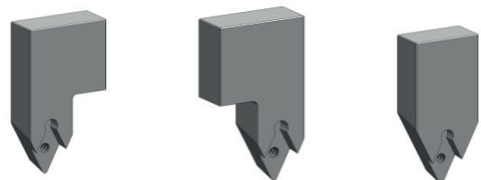
DIMENSIONS



DIM	PNEUMATIC	ELECTRIC	BATTERY
A	478 mm	533 mm	573 mm
B	434 mm	434 mm	434 mm
ØC	214 mm	214 mm	214 mm
ØD	157 mm	157 mm	157mm
E	60 mm	90 mm	90 mm

TOOLS

HOLDERS (included with the machine)



INSERTS FOR CARBON AND STAINLESS STEEL



Inserts for carbon steel
(box of 10)

PART NO. CTI070204CS

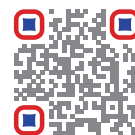


Inserts for stainless steel
(box of 10)

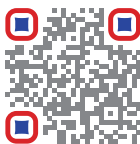
PART NO. CTI070204SS

PREP 8 PORTABLE PIPE BEVELLING MACHINE

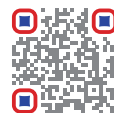
1.96 - 8.46" i/d / 50 - 215 mm i/d



SCAN QR CODE
TO WATCH VIDEO



PIPE EQUIPMENT SPECIALISTS
AN S&S GROUP BRAND



1.96 - 8.46" i/d / 50 - 215 mm i/d

- **Functions:** External beveling / internal beveling / elbow and fittings beveling / facing / counter-boring / weld removal / J-prepping / compound bevels
- **Materials:** Any kind of steel and exotic alloy
- **Power:** Pneumatic, electric or battery (110v or 220v)

One of our most powerful and popular i/d locking, in-line feed end prep machines. This is mainly due to its impressive 2 - 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 formed tools to enables simultaneous external, internal beveling of even the heaviest wall pipe. The PREP 8 is a real workhorse. Its size, power, and functionality, make it extremely popular in high volume heavy duty beveling applications, on site, or in the workshop.

FEATURES AND ADVANTAGES

The PREP 8 is torque reactive. This means that the pipe or tube does not have to be fixed to be bevelled, 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 equilateral 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 tightened, the jaws expand, locking tightly, and square to the bore of the pipe.

The machine body is CNC machined out of solid aluminum and nickel plated. This ensures strength and leads to precise tolerances on all components, resulting in a stable heavy duty machine that does not move under load, we also ensure all components are treated utilising the latest technologies to ensure durability.



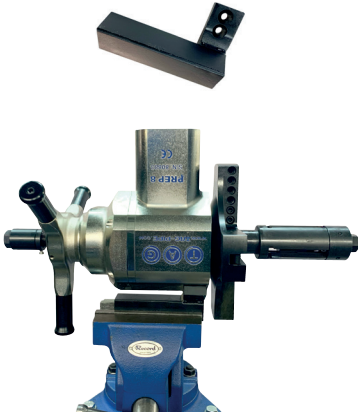
POWER OPTIONS:

PNEUMATIC  PART NO. TP8P	ELECTRIC  PART NO. TP8E110 PART NO. TP8E220	BATTERY  PART NO. TP8B110* PART NO. TP8B220*	PNEUMATIC AUTO LOCK  PART NO. TP8PALD
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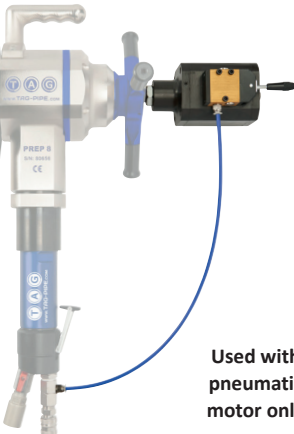
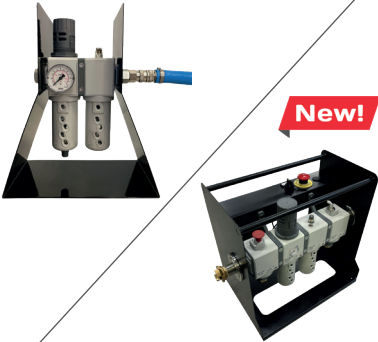
* **LOGISTICS NOTE – UN3481 COMPLIANCE**

In accordance with UN3481 regulations governing the transport of lithium batteries, this machine cannot be shipped by air. Authorized transport modes: road and sea only. Any request for air shipment cannot be accommodated. If required, alternative models without battery or charger, compliant with air transport regulations, can be offered : **PART NO. TP8B**

ACCESSORIES AND OPTIONS:

ELBOW / FITTINGS SHAFT ** 2.20 - 8.46" i/d 56 - 215 mm i/d  PART NO. TP8ESK	RATCHET HANDLES  PART NO. TP8RHK	BENCH ATTACHMENT  PART NO. TP8BMA
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** **Contact us to confirm elbow radius**

AUTO LOCK  Used with pneumatic motor only PART NO. TP8ALD	AIR FILTER LUBRICATORS FOR PNEUMATIC MACHINES  New! WITH EMERGENCY STOP PART NO. AFL1 / PART NO. DEFE-FRL5	
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PREP 8 TECHNICAL FEATURES

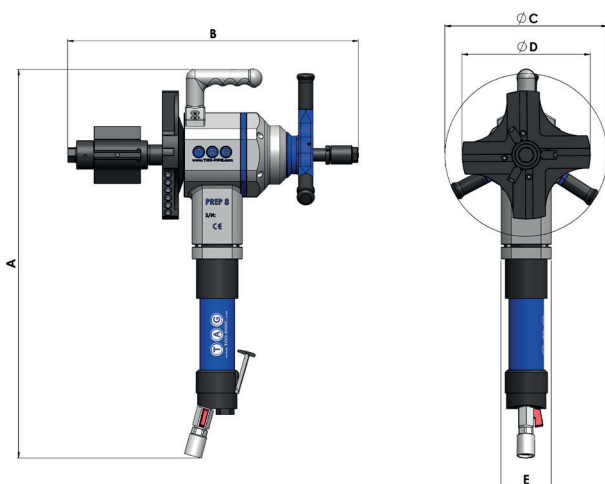
DESCRIPTION	MEASUREMENT	PNEUMATIC	ELECTRIC	BATTERY
Part Number	n/a	TP8P / TP8PALD	TP8E110 / TP8E220	TP8B110* / TP8B220*
Locking tube range	mm (i/d)	50 - 215 mm	50 - 215 mm	50 - 215 mm
Locking tube range	inch (i/d)	1.96 - 8.46"	1.96 - 8.46"	1.96 - 8.46"
Idle speed	rpm	5 - 52	5 - 34	7 / 13 / 18
Torque	N m	265	280	425
Length of axial feed	mm	40	40	40
Max operating temperature	°C	55	55	55
Max acoustic radiation	dB	75	75	75
Pneumatic motor power	hp	1.85	n/a	n/a
Air consumption	cfm / l/min.	50 / 1400	n/a	n/a
Air working pressure	psi / bar	90 / 6.5	n/a	n/a
Air hose connection	inches	¾"	n/a	n/a
Electric motor power	watt	n/a	1900	18V (1500)
Voltage	volt	n/a	110 or 220	charger 110 or 220
Frequency	Hz	n/a	50 / 60	charger 50 / 60
Unit weight	kg / lbs	25 / 55	26 / 57	26 / 57
Packing dimensions	mm	830 x 780 x 250	830 x 610 x 250	830 x 610 x 250
Packing weight	kg / lbs	55 / 121	54 / 119	54 / 119

Our group policy is one of continuous improvement. Products and data tables are subject to change and may vary from those illustrated.

- 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 custom built metal box.
- Pneumatic machine must be used with filter lubricator and oil - use without will void warranty.



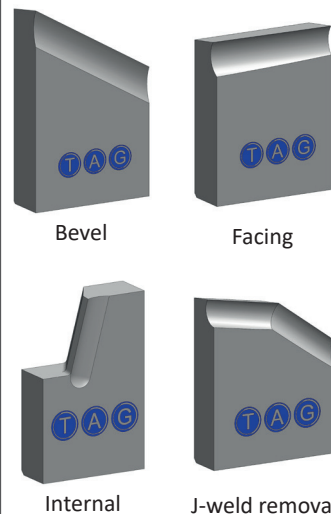
DIMENSIONS



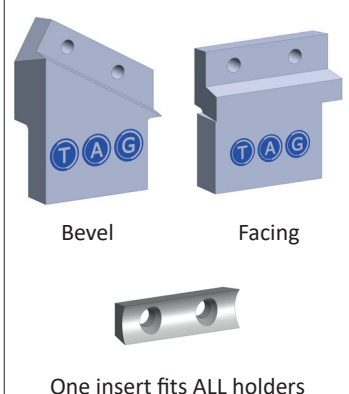
DIM	PNEUMATIC	ELECTRIC
A	670 mm	700 mm
B	520 mm	520 mm
ØC	278 mm	278 mm
ØD	245 mm	245 mm
E	86 mm	90 mm

EXAMPLES OF COMMON CUTTING TOOLS

FORMED TOOLS



HOLDER / INSERT



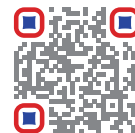
All shapes, sizes and angles available

Specific tooling for automatic orbital welding applications with Axxair and Magnatech is available.

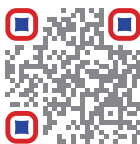


PREP 16 PORTABLE PIPE BEVELLING MACHINE

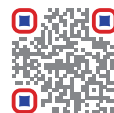
2.9 - 15.75" i/d / 72 - 400 mm i/d



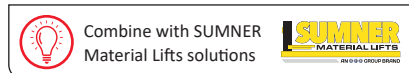
SCAN QR CODE
TO WATCH VIDEO



PIPE EQUIPMENT SPECIALISTS
AN ASCE GROUP BRAND



2.9 - 15.75" i/d / 72 - 400 mm i/d



- **Functions:** External beveling / internal beveling / facing / counter-boring / weld removal / J-prepping / compound bevels
- **Materials:** Any kind of steel and exotic alloy
- **Power:** Servo electric (Recommended), pneumatic or hydraulic

FEATURES AND ADVANTAGES

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

Offering ratcheted i/d jaw locking as well as ratchet bevel feed control for effortless heavy wall preps, offered with an extremely powerful and user friendly servo electric or pneumatic motor. Any bevel geometry can be performed within the impressive 3 - 16" 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 where precision welds are required at an incredible value.

The PREP 16, and its bigger brother the PREP 24, utilise ratchet feed and locking. This allows effortless set-up, and enables the operator to deliver consistent feed with minimal effort.

POWER OPTIONS:

SERVO ELECTRIC

RECOMMENDED



PART NO. TP16SE110
PART NO. TP16SE220

SERVO ELECTRIC WITH AUTO FEED



PART NO. TP16SE110AF
PART NO. TP16SE220AF

PNEUMATIC



PART NO. TP16P

HYDRAULIC



PART NO. TP16H

* Interchangeable motor conversion kits are available in pneumatic, servo electric and hydraulic version.
See Price List for more information

FEATURES:

SERVO ELECTRIC

RECOMMENDED



Servo Electric control box makes the strongest portable pipe bevelling machine available on the market and allows for clockwise and counter clockwise rotation.

UNRIVALLED POWER AND STABILITY



TAG innovative bearing/crown and pinion design combined with our large shaft, delivers unrivalled power and stability.

LIFTING HANDLES



To enable ease of set up, the machine is equipped with lifting handles and removable extensions so the machine can be easily installed, and removed from the pipe.

PIPE STAND ATTACHMENT



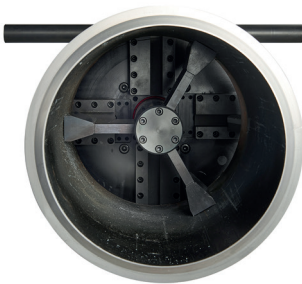
To enable ease of set up and increased mobility, the machine can be fitted with an attachment to fit on the BB-SUMNER Max-Jax™ (PART NO. TP16PSA + 3500B + 3504)

RATCHET FEED AND LOCKING



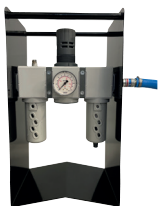
The PREP 16 utilises a ratchet system for both jaw locking and bevel feed. Machine with auto feed (PART NO. TP16SE110AF/TP16SE220AF) available on request.

SELF-CENTERING & SIX POINT LOCKING



Self-centering 70 mm (2.75") one piece locking shaft with innovative 6 point locking jaws offer superior clamping force for chatter free end preps.

AIR FILTER LUBRICATORS FOR PNEUMATIC MACHINES ONLY



Air filter lubricators, delivering clean, regulated airflow and reliable performance, with an optional integrated emergency stop for enhanced safety. PART NO. AFL2 / PART NO. DEFE-FRL5 (with emergency stop)

PREP 16 TECHNICAL FEATURES

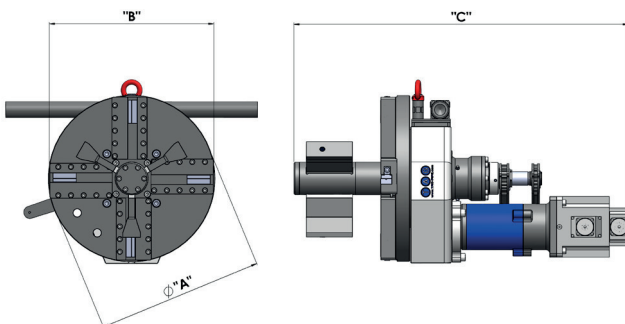
DESCRIPTION	MEASUREMENT	PNEUMATIC	SERVO ELECTRIC	SERVO ELECTRIC WITH AUTO FEED	HYDRAULIC
Part Number	n/a	TP16P	TP16SE110 / TP16SE220	TP16SE110AF / TP16SE220AF	TP16H
Locking tube range	mm / inch (i/d)	72 - 400 / 2.9 - 15.75"	72 - 400 / 2.9 - 15.75"	72 - 400 / 2.9 - 15.75"	72 - 400 / 2.9 - 15.75"
Working range	mm / inch (o/d)	72 - 406 / 3 - 16"	72 - 406 / 3 - 16"	72 - 406 / 3 - 16"	72 - 406 / 3 - 16"
Idle speed	rpm	5 - 18	1 - 18	1 - 18	1 - 26
Length of axial feed	mm / inch	50 / 2	50 / 2	50 / 2	50 / 2
Max operating temperature	°C	55	60	60	60
Max acoustic radiation	dB	75	45	45	55
Pneumatic Motor Power	hp	3.5	n/a	n/a	5.4
Air Consuming Flux	cfm / l/min.	90 / 2500	n/a	n/a	n/a
Air working pressure	psi / bar	90 / 6.5	n/a	n/a	n/a
Air Hose Connection	inches	¾"	n/a	n/a	n/a
Servo Electric Motor Power	kw	n/a	1.5	1.5	n/a
Voltage	volt	n/a	110 or 220	110 or 220	refer to hydraulic power pack
Frequency	Hz	n/a	50 / 60	50 / 60	refer to hydraulic power pack
Remote Control	Yes / No	No	Yes	Yes	Yes
Forward / Reverse	Yes / No	No	Yes	Yes	Yes
Unit weight	kg / lbs	43 / 95	44 / 97	44 / 97	41 / 90
Packing dimensions L x W x H	mm	860 x 570 x 530	860 x 570 x 530	860 x 570 x 530	860 x 570 x 530
Packing weight	kg / lbs	128 / 282	140 / 305	140 / 305	125 / 275

Our group policy is one of continuous improvement. Products and data tables are subject to change and may vary from those illustrated.

- All units are supplied complete with all locking jaws 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 custom built box.
- Pneumatic machine must be used with filter lubricator and oil - use without will void warranty.



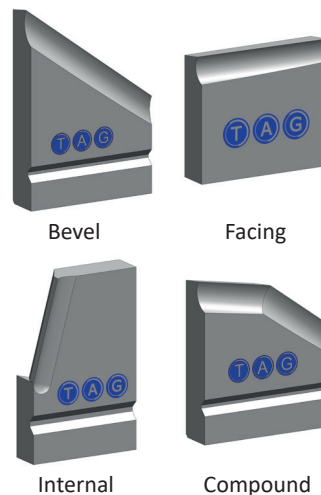
DIMENSIONS



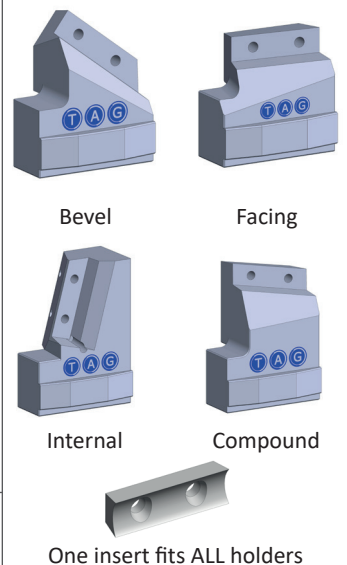
DIM	PNEUMATIC	SERVO ELECTRIC	HYDRAULIC
ØA	323 mm	323 mm	323 mm
B	407 mm	407 mm	407 mm
C	750 mm	630 mm	530 mm

EXAMPLES OF COMMON CUTTING TOOLS

FORMED TOOLS



HOLDER / INSERT (Recommended)



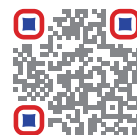
All shapes, sizes and angles available

Specific tooling for automatic orbital welding applications with Magnatech is available.

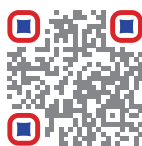
MAGNATECH
AN OTC GROUP BRAND

PREP 24 PORTABLE PIPE BEVELLING MACHINE

6.89 - 23.62" i/d / 175 - 600 mm i/d

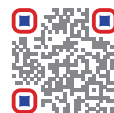


SCAN QR CODE
TO WATCH VIDEO

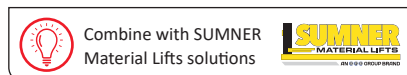


PIPE EQUIPMENT SPECIALISTS
AN ASCE GROUP BRAND

www.TAG-PIPE.com



6.89 - 23.62" i/d / 175 - 600 mm i/d



- **Functions:** External beveling / internal beveling / facing / counter-boring / weld removal / J-prepping / compound bevels
- **Materials:** Any kind of steel and exotic alloy
- **Power:** Servo electric (Recommended), pneumatic or hydraulic

FEATURES AND ADVANTAGES

The PREP 24 is the largest in TAG's new range of a heavy duty mid-large diameter beveling machines.

Offering ratcheted i/d jaw locking as well as ratchet bevel feed control for effortless heavy wall preps, offered with an extremely powerful user friendly servo electric or pneumatic motor. Any bevel geometry can be performed within the impressive 7 - 24" 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 where precision welds are required at an incredible value.

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

POWER OPTIONS:

SERVO ELECTRIC

RECOMMENDED



PART NO. TP24SE110
PART NO. TP24SE220

SERVO ELECTRIC WITH AUTO FEED



PART NO. TP24SE110AF
PART NO. TP24SE220AF

PNEUMATIC



PART NO. TP24P

HYDRAULIC



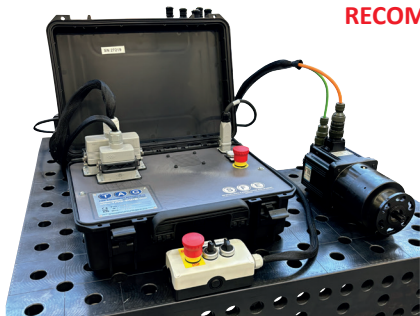
PART NO. TP24H

* Interchangeable motor conversion kits are available in pneumatic, servo electric and hydraulic version.
See Price List for more information.

FEATURES:

SERVO ELECTRIC

RECOMMENDED



Servo Electric control box makes the strongest portable pipe bevelling machine available on the market and allows for clockwise and counter clockwise rotation.

UNRIVALLED POWER AND STABILITY



TAG innovative bearing/crown and pinion design combined with our large shaft, delivers unrivalled power and stability.

LIFTING HANDLES



To enable ease of set up, the machine is equipped with lifting handles and removable extensions so the machine can be easily installed, and removed from the pipe.

PIPE STAND ATTACHMENT



To enable ease of set up and increased mobility, the machine can be fitted with an attachment to fit on the BB-SUMNER Max-Jax™ (PART NO. TP24PSA + 3500B + 3504)

RATCHET FEED AND LOCKING



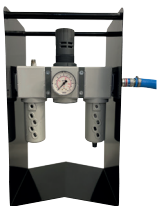
The PREP 24 utilises a ratchet system for both jaw locking and bevel feed. Machine with auto feed (PART NO. TP24SE110AF/TP24SE220AF) available on request.

SELF-CENTERING & SIX POINT LOCKING



Self-centering 150 mm (5.9") one piece locking shaft with innovative 6 point locking jaws offer superior clamping force for chatter free end preps.

AIR FILTER LUBRICATORS FOR PNEUMATIC MACHINES ONLY



Air filter lubricators, delivering clean, regulated airflow and reliable performance, with an optional integrated emergency stop for enhanced safety. PART NO. AFL2 / PART NO. DEFE-FRL5 (with emergency stop)

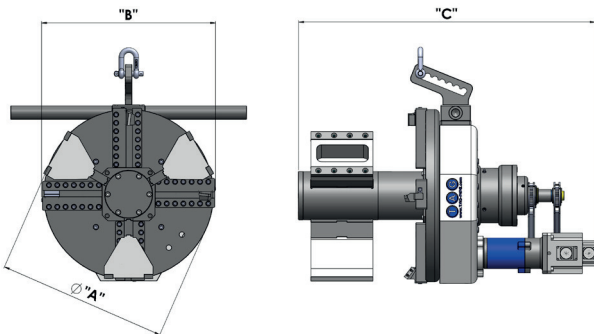
PREP 24 TECHNICAL FEATURES

DESCRIPTION	MEASUREMENT	PNEUMATIC	SERVO ELECTRIC	SERVO ELECTRIC WITH AUTO FEED	HYDRAULIC
Part Number	n/a	TP24P	TP24SE110 / TP24SE220	TP24SE110AF / TP24SE220AF	TP24H
Locking tube range	mm / inch (i/d)	175 - 600 mm / 6.89 - 23.62"	175 - 600 mm / 6.89 - 23.62"	175 - 600 mm / 6.89 - 23.62"	175 - 600 mm / 6.89 - 23.62"
Working range	mm / inch (o/d)	180 - 604 mm / 7 - 24"	180 - 604 mm / 7 - 24"	180 - 604 mm / 7 - 24"	180 - 604 mm / 7 - 24"
Idle speed	rpm	2 - 9	2 - 9	2 - 9	2 - 14
Length of axial feed	mm / inch	60 / 2.4	60 / 2.4	60 / 2.4	60 / 2.4
Max operating temperature	°C	55	60	60	60
Max acoustic radiation	dB	75	45	45	55
Pneumatic Motor Power	hp	3.5	n/a	n/a	5.4
Air Consuming Flux	cfm / l/min.	90 / 2500	n/a	n/a	n/a
Air working pressure	psi / bar	90 / 6.5	n/a	n/a	n/a
Air Hose Connection	inches	¾"	n/a	n/a	n/a
Servo Electric Motor Power	kw	n/a	1.5	1.5	n/a
Voltage	volt	n/a	110 or 220	110 or 220	refer to hydraulic power pack
Frequency	Hz	n/a	50 / 60	50 / 60	refer to hydraulic power pack
Remote Control	Yes / No	No	Yes	Yes	Yes
Forward / Reverse	Yes / No	No	Yes	Yes	Yes
Unit weight	kg / lbs	214 / 471	216 / 476	216 / 476	210 / 462
Packing dimensions L x W x H	mm	1200 x 840 x 910	1200 x 840 x 910	1200 x 840 x 910	1200 x 840 x 910
Packing weight	kg / lbs	412 / 908	424 / 935	424 / 935	408 / 900
<i>Our group policy is one of continuous improvement. Products and data tables are subject to change and may vary from those illustrated.</i>					

- All units are supplied complete with all locking jaws 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 custom built box.
- Pneumatic machine must be used with filter lubricator and oil - use without will void warranty.



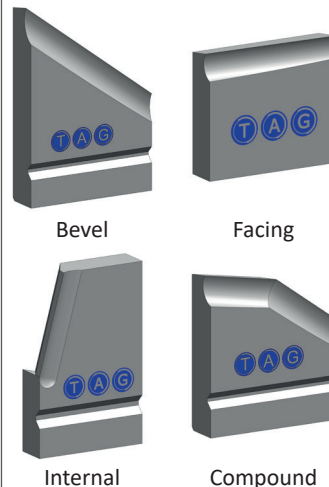
DIMENSIONS



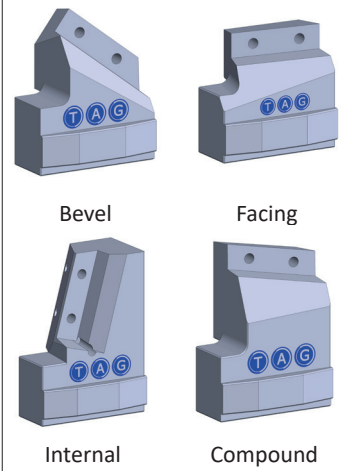
DIM	PNEUMATIC	SERVO ELECTRIC	HYDRAULIC
ØA	550 mm	550 mm	550 mm
B	580 mm	580 mm	580 mm
C	1005 mm	955 mm	855 mm

EXAMPLES OF COMMON CUTTING TOOLS

FORMED TOOLS



HOLDER / INSERT (Recommended)



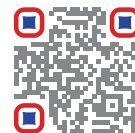
All shapes, sizes and angles available

One insert fits ALL holders

Specific tooling for automatic orbital welding applications with Magnatech is available.

MAGNATECH
AN ISO GROUP BRAND

PREP 16 AND PREP 24 ELBOW / FITTING PIPE BEVELLING MACHINE



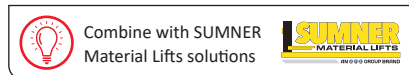
Portable Elbow and Fitting Machine



PIPE EQUIPMENT SPECIALISTS
AN ASCE GROUP BRAND



Portable Elbow and Fitting Machine



The **TAG PREP 16 ELBOW / FITTINGS** and **TAG PREP 24 ELBOW / FITTINGS** complete machine enables bevelling, J-preps, counter boring and facing on elbows and pipe fittings, due to its heavy duty yet compact shaft and 6 piece locking jaw system. The machines can be supplied with either servo electric, pneumatic or hydraulic motor.

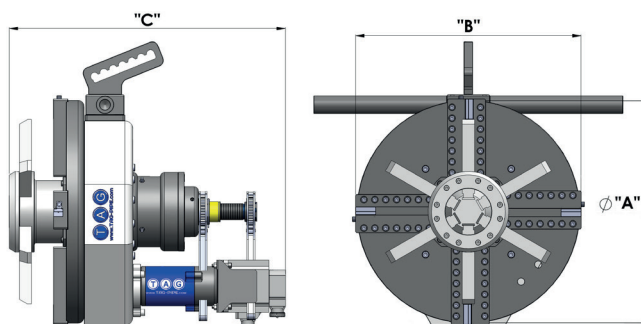


PREP 16 AND PREP 24 ELBOW / FITTINGS TECHNICAL FEATURES:

DESCRIPTION	MEASUREMENT	PNEUMATIC	SERVO ELECTRIC	SERVO ELECTRIC WITH AUTO FEED	HYDRAULIC
Part Number	n/a	TP16EP	TP16ESE110 / TP16ESE220	TP16ESE110AF / TP16ESE220AF	TP16EH
Locking tube range	mm / inch (i/d)	130 - 410 mm / 5.11 - 16.14"	130 - 410 mm / 5.11 - 16.14"	130 - 410 mm / 5.11 - 16.14"	130 - 410 mm / 5.11 - 16.14"

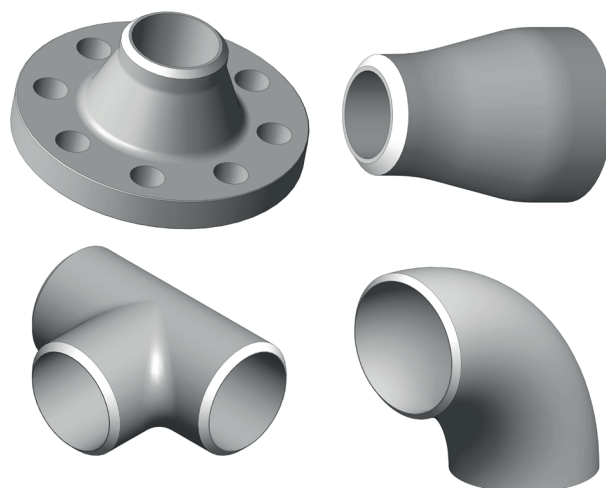
Part Number	n/a	TP24EP	TP24ESE110 / TP24ESE220	TP24ESE110AF / TP24ESE220AF	TP24EH
Locking tube range	mm / inch (i/d)	210 - 600 mm / 8.26 - 23.62"	210 - 600 mm / 8.26 - 23.62"	210 - 600 mm / 8.26 - 23.62"	210 - 600 mm / 8.26 - 23.62"

DIMENSIONS PREP 16 / 24 ELBOW / FITTINGS



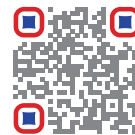
	DIMENSIONS	PNEUMATIC	SERVO ELECTRIC	HYDRAULIC
PREP 16	ØA	323 mm	323 mm	323 mm
	B	407 mm	407 mm	407 mm
	C	705 mm	650 mm	550 mm
PREP 24	ØA	550 mm	550 mm	550 mm
	B	580 mm	580 mm	580 mm
	C	755 mm	705 mm	605 mm

EXAMPLES OF FITTINGS

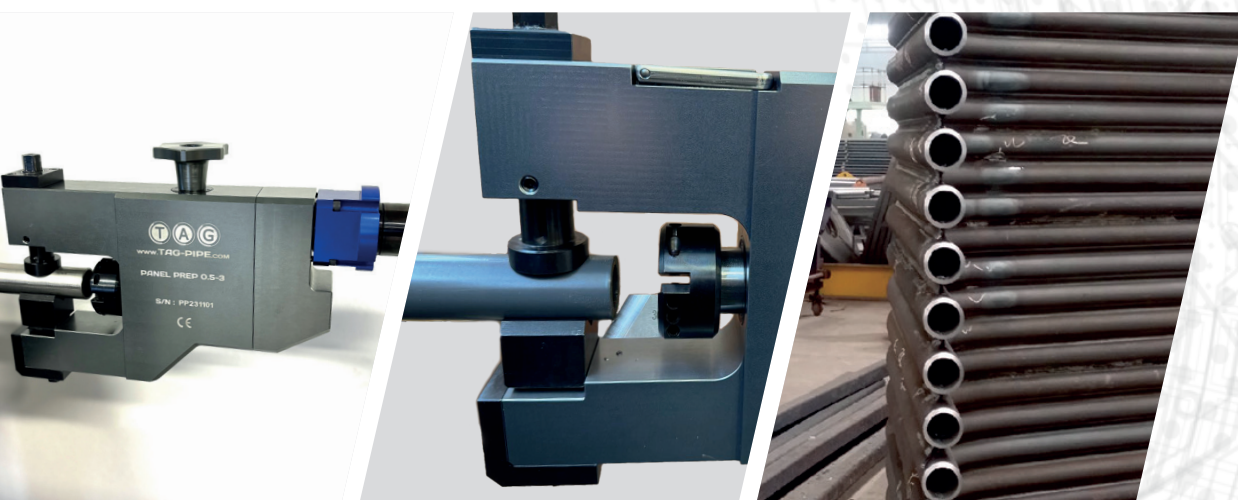


* Contact us to confirm elbow radius

PANEL PREP MACHINES



0.3 - 4" o/d / 8 - 108 mm o/d



PIPE EQUIPMENT SPECIALISTS

AN ASSA GROUP BRAND



0.3 - 4" o/d / 8 - 108 mm o/d

- **Functions:** External bevelling / internal bevelling / facing / counter-boring / weld removal
- **Material:** Steel, stainless steel, duplex, high alloyed

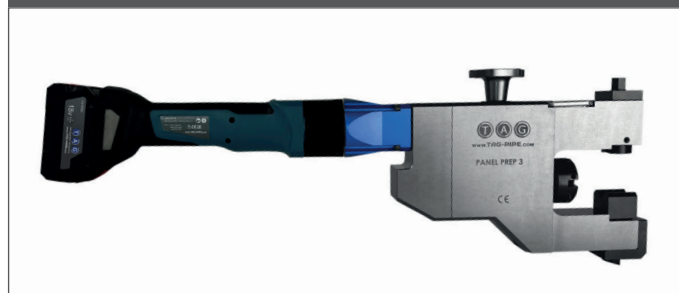
The TAG PANEL PREP attaches to the tube outside diameter by means of custom or specific o/d clamp type jaws that provide strong clamping action that minimizes chatter and vibration. It is designed for maximum comfort, efficiency, safety, and ease of use. The feed wheel handle enables the operator to comfortably feed the tool during bevelling or facing. The TAG PANEL PREP is suitable for small bore heavy wall tubes with a high percentage of chrome, stainless steel, and other exotic alloys. The machine can be used for standard bevelling applications and for opposite tubes.

MODEL	PIPE O/D RANGE	PART NO. PNEUMATIC	PART NO. BATTERY	PART NO. ELECTRIC
TAG Panel Prep 2	8 - 53 mm / 0.3 - 2"	TPP2P	n/a	TPP2E110/ TPP2E220
TAG Panel Prep 3	12.7 - 73 mm / 0.5 - 3"	TPP3P	TPP3B110* / TPP3B220*	TPP3E110 / TPP3E220
TAG Panel Prep 4	50 - 108 mm / 2 - 4"	TPP4P	n/a	TPP4E110/ TPP4E220

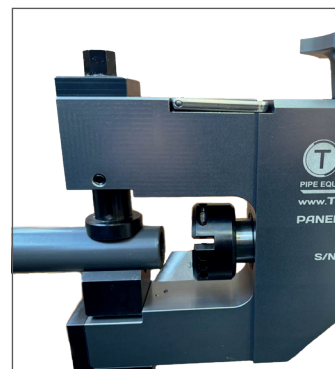
PNEUMATIC



BATTERY



ELECTRIC 220V / 110V



* LOGISTICS NOTE – UN3481 COMPLIANCE

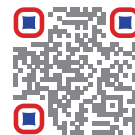
In accordance with UN3481 regulations governing the transport of lithium batteries, this machine cannot be shipped by air. Authorized transport modes: road and sea only. Any request for air shipment cannot be accommodated. If required, alternative models without battery or charger, compliant with air transport regulations, can be offered : **PART NO. TPP3B**

** Interchangeable motor conversion kits are available in pneumatic, battery and electric version.
See Price List for more information.

CLAMPING JAWS:

MODEL	MEASUREMENT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
TAG Panel Prep 2	O/D mm/inch	8 / 0.31	10 / 0.39	12 / 0.47	14 / 0.55	16 / 0.63	18 / 0.71	20 / 0.79	22 / 0.87	25.4 / 1	28 / 1.1	32 / 1.26	38 / 1.50	42 / 1.65	45 / 1.77	48 / 1.89	51 / 2	53 / 2.1
TAG Panel Prep 4	O/D mm/inch	50 / 1.97	54 / 2.12	57 / 2.24	60 / 2.36	63 / 2.48	68 / 2.68	70 / 2.76	73 / 2.87	76 / 2.99	83 / 3.27	89 / 3.50	95 / 3.74	108 / 4.25	n/a	n/a	n/a	n/a
One clamping jaw is only for one specific pipe size - specials can be made upon request																		
MODEL	MEASUREMENT	1									2							
TAG Panel Prep 3	O/D mm	From 12.7 - 38 mm / 0.5 - 1.49"									From 38 - 73 mm / 1.49 - 3"							

PIPE COLD CUTTING MACHINES

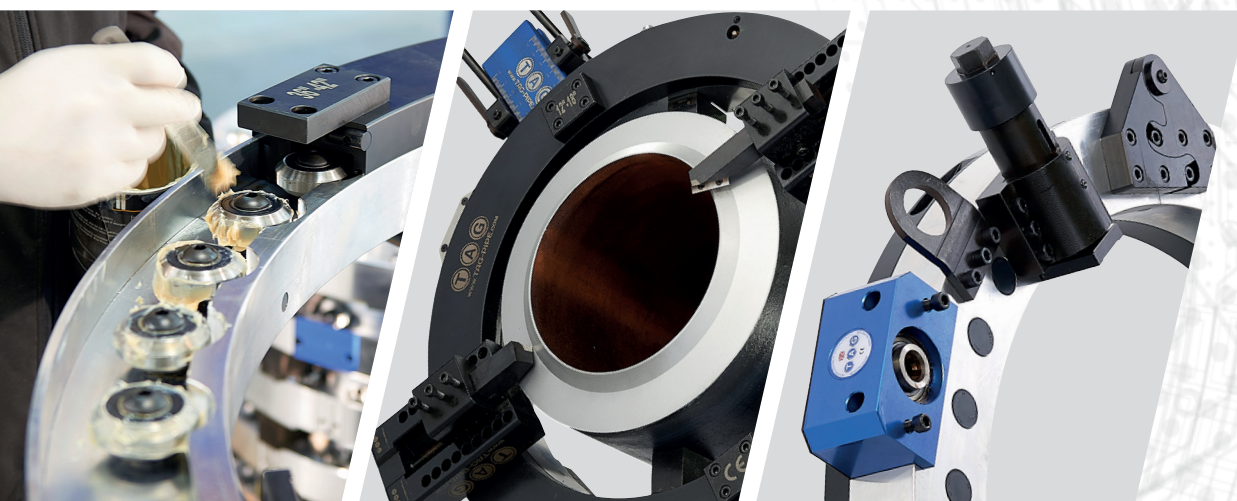
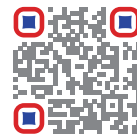


PIPE EQUIPMENT SPECIALISTS
AN AEGEE GROUP BRAND



SPLIT FRAME CLAMSHELL COLD CUTTING AND BEVELLING MACHINES

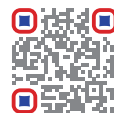
1 - 48" o/d / 33.4 - 1,220 mm o/d



SCAN QR CODE
TO WATCH VIDEO

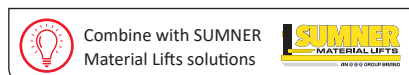


PIPE EQUIPMENT SPECIALISTS
AN S&P GROUP BRAND



1 - 48" o/d / 33.4 - 1,220 mm o/d

Customised machines available upon request



- **Functions:** External bevelling / internal bevelling / counter-boring / compound bevelling / J-prep bevelling
- **Materials:** Any kind of steel and exotic alloy
- **Power:** Pneumatic, electric (110v or 220v), hydraulic or servo electric motor (110v, 220v, three phase 380/400/415/480v)

TSFC3 - TSFC24 (MODULAR BLOCK LOCKING JAWS)



		TSFC3	TSFC6	TSFC8	TSFC12	TSFC16	TSFC18	TSFC20	TSFC24
Pipe Range	inch o/d	1 - 3"	1 - 6"	2 - 8"	6 - 12"	10 - 16"	12 - 18"	14 - 20"	18 - 24"
Pipe Range	mm o/d	33.4 - 88.9	33.4 - 168.3	60.3 - 219.1	168.3 - 323.9	273.1 - 406.4	323.9 - 457.2	355.6 - 508	457.2 - 609.6
Ring Locking Range	mm o/d	25 - 92	25 - 184	50 - 235	165 - 350	265 - 425	317 - 477	343 - 528	450 - 640

*Selected TSFC models (TSFC8-TSFC24) can be modified to have an extended range of 1" (TSFC8) or 2" (e.g: TSFC16 can be extended to 8 to 16") by adding an additional locking jaws set. See price list for more details.

* Selected TSFC models (TSFC6-TSFC24) can be fitted with optional complete locking jaws set for stainless steel applications (Part no. TSFCSEJ6-20SS).

TSFC30 - TSFC48 (TELESCOPIC LOCKING JAWS)



		TSFC30	TSFC36	TSFC42	TSFC48
Locking Range	inch o/d	24 - 30"	30 - 36"	36 - 42"	42 - 48"
Locking Range	mm o/d	609.6 - 762	762 - 914.4	914.4 - 1,066.8	1,066.8 - 1,219.2

*Above TSFC models can be modified to have an extended range of 2" by adjusting the telescopic jaws and by adding the toolbox pair (Part no. SFTB11XL) (e.g: TSFC30 can be extended to 22" to 30").

* Above TSFC models can be fitted with optional locking jaw pads set for stainless steel applications (Part no. SFCBP6SS).

THE BASICS

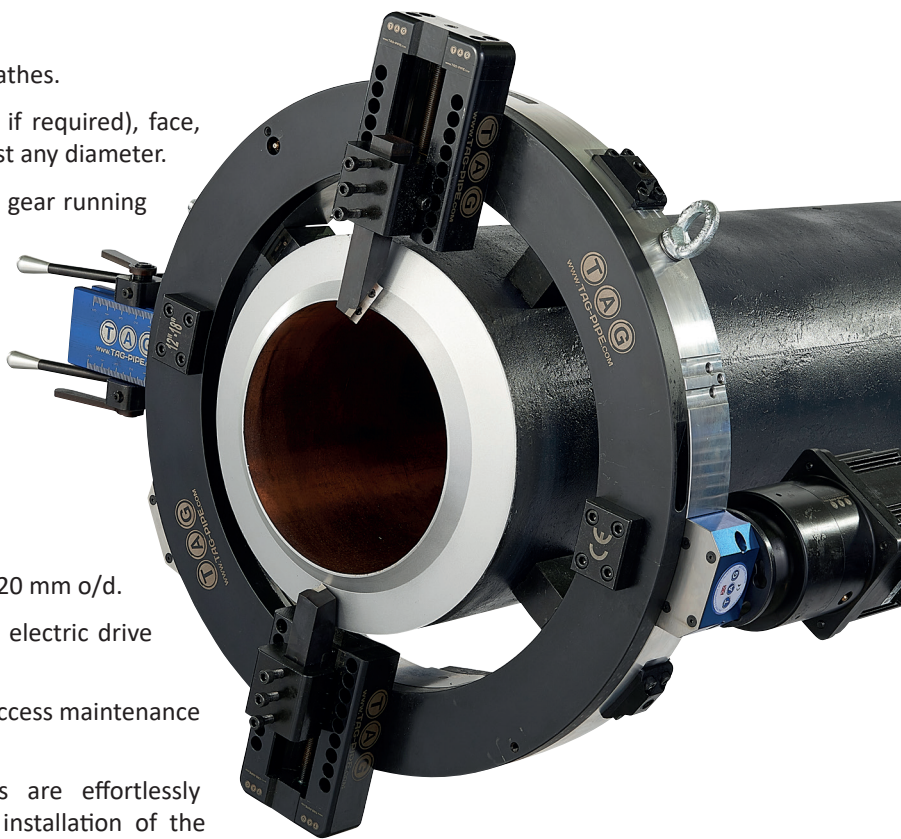
TAG's new split frame clamshells are essentially portable lathes.

Offering the versatility to cut and bevel (simultaneously if required), face, counterbore and o/d machine pipes (and vessels) of almost any diameter.

A light weight aluminium body, encases a steel inner ring gear running on solid bearings, ensuring manageability, yet extreme strength and durability.

Coupled with wide, hardened clamping feet, with easy read rule marks, enable rapid, repeatable concentric setup, even on out of round pipes and joints.

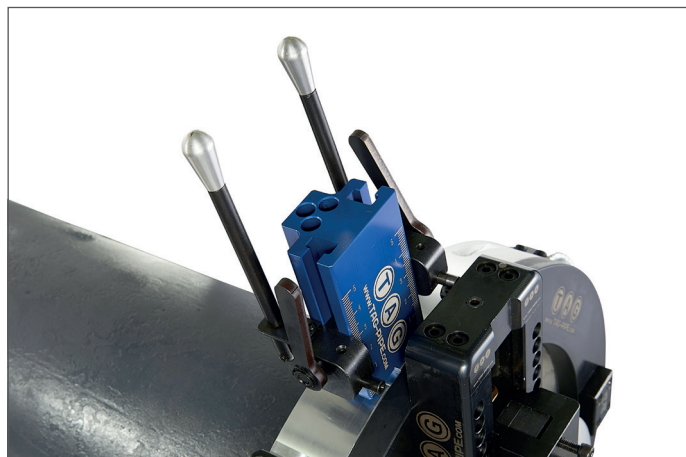
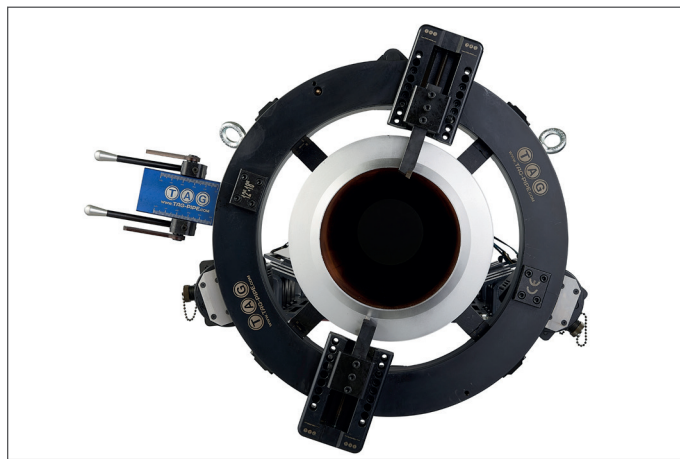
A range of tooling, power units and accessories allow you to tailor your machine to your particular job.



FEATURES AND ADVANTAGES

- 12 models cover a range from 1" / 33.4 mm - 48" / 1,220 mm o/d.
- Pneumatic, hydraulic, standard electric and NC servo electric drive options provide increased versatility.
- Adjustable heavy duty bearings, combined with easy access maintenance points allow inspection and adjustment.
- Modular block locking or telescopic locking jaws are effortlessly individually adjusted and allow for quick and easy installation of the clamshell on the pipe. Feet feature easy read measure marks for rapid setup and adjustment.
- TAG split frame clamshells accept a wide range of accessories to increase performance and expand machine capabilities.
- Unique 'TAG transmission' tool slides with changeable gears for adjustable radial tool feed.

QUICK SPLIT FRAME DESIGN



FEATURES



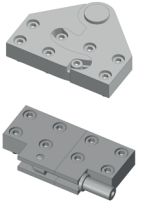
TAG advanced cam roller bearing system enables fine adjustment of bearings for optimal performance and maintenance delivering smooth precise rotation.



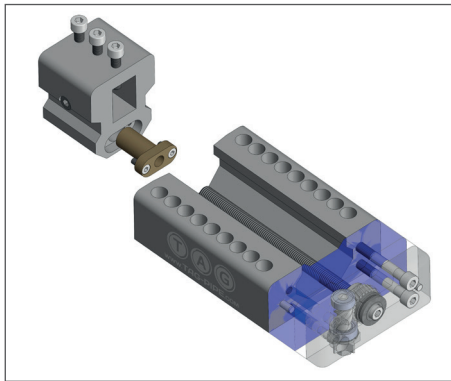
Using the latest high grade aluminium along with treated steel crown the TAG split frames are designed for heavy duty industrial on-site use.



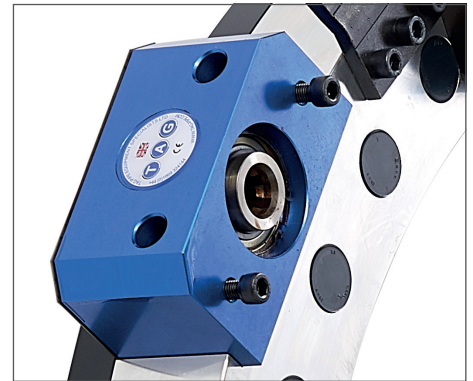
Quick lock/unlock splitting hinge to enable fast setup of machine onto pipes in situ.



Custom made metal box with foam insert to insure protection of the machine (up to TSFC48).



TAG advanced feeding system delivers feed through worm and crown to evenly distribute pressure through the feeding screw, resulting in reduced vibration and wear on cutting tools.



Two bolt motor mount enables fast mounting of motors. All power drives utilise the same drive block. Machines from 16" upwards are equipped with two motor mounts. Front drive motor mount optionally available.



MODULAR BLOCK JAWS

Individual movable modular locking system with TAG advanced external metal plate to take pressure away from aluminium ring, clamping foot size 40 x 60 mm.



TELESCOPIC JAWS

Individual movable telescopic locking system externally mounted to keep aluminium ring solid for extra strength, increased clamping foot size 55 x 115 mm for fast accurate setup.



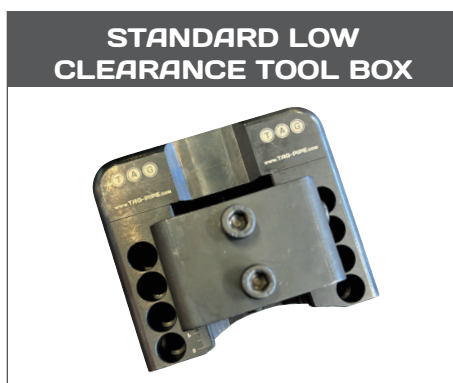
Double striker enables feeding of 0.2 mm per revolution, also utilising TAG extended engaging handle meaning hands free operation.

TOOL BOXES AND ACCESSORIES

The tool boxes are available in various configurations to accept the full range of TAG tooling.



- Supplied as standard with complete machine
- **TSFC3 (Part No SFTB4S)**
- **TSFC6 - TSFC8 (Part No SFTB7S)**
Cutting and bevelling all materials up to 2.3" / 60 mm wall thickness
- **TSFC12 - TSFC24 (Part No SFTB9M)**
Cutting and bevelling all materials up to 4.7" / 120 mm wall thickness
- **TSFC30 - TSFC42 (Part No SFTB9L)**
Cutting and bevelling all materials up to 4.7" / 120 mm wall thickness
- **TSFC48 (Part No SFTB11XL)**
Cutting and bevelling all materials up to 4.7" / 120 mm wall thickness



- Available as accessory
- Low profile for tight access situations
- **TSFC6 - TSFC8 (Part No SFTB4S)**
Cutting and bevelling all materials up to 1" / 25 mm wall thickness
- **TSFC12 - TSFC24 (Part No SFTB7S)**
Cutting and bevelling all materials up to 2.3" / 60 mm wall thickness
- **TSFC30 - TSFC48 (Part No SFTB9M)**
Cutting and bevelling all materials up to 4.7" / 120 mm wall thickness

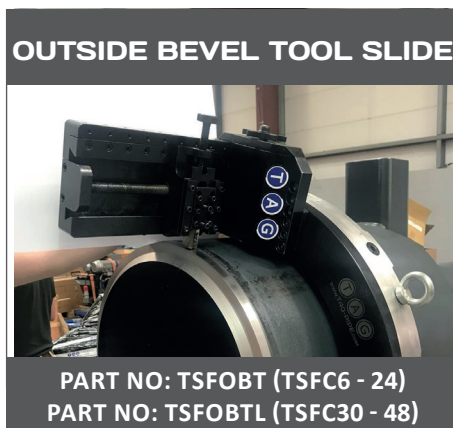


- Available as accessory
- Ensuring accurate weld prep and root face by mechanically tracking the o/d of the pipe (ideal for out of round and large diameters pipe)
- **TSFC6 - TSFC24 (Part No TSFCSLTBM)**
Cutting and bevelling all materials up to 0.8" / 20 mm wall thickness
- **TSFC30 - TSFC42 (Part No TSFCSLTBL)**
Cutting and bevelling all materials up to 0.8" / 20 mm wall thickness
- **TSFC48 (Part No TSFCSLTBXL)**
Cutting and bevelling all materials up to 0.8" / 20 mm wall thickness



The standard counter bore slide module accessory bolts directly to the standard tool slide and can be installed immediately upon completion of the cut and external bevel, to remove any internal inconsistencies prior to welding. The counter bore tool slide can be adjusted from 0 to 45 degree and has 6" / 150 mm feed.

* The internal bevel tool extension offers 0.79"/20 mm feed and is ideal for automatic orbital welding preparation.



The outside bevel tool slide accessory allows to remove an external pipe cover and/or reduce the outside diameter of the pipe. The accessory bolts on to the clamshell ring and is 11.8" / 300 mm in size, with a functional feed of 9.85" / 250 mm. Tooling is specifically designed per application.



The set of swivel locking jaws allows the machine to be positioned offset to the pipe with an inclination of 1 to 5 degrees. This accessory is useful on elbows, conic surfaces and for offset cutting.

TAG CLAMSHELL POWER OPTIONS & DRIVE UNITS

To meet the varying needs of job-sites worldwide, TAG's clamshell motors and drives are available in a range of configurations.

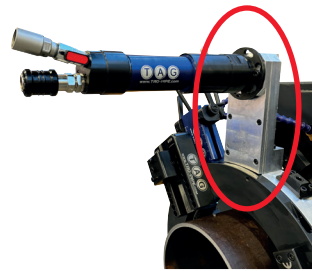
Drive motors are available in servo electric, hydraulic, pneumatic and electric configurations. Motor mounting flanges are standard available in straight back (in-line) and elbow / right angle version. Front drive reversible version is optional.

TSFC3 - TSFC24: IN-LINE MOTORS (STANDARD)

SERVO ELECTRIC MOTOR *	PNEUMATIC MOTOR *	HYDRAULIC MOTOR	ELECTRIC MOTOR
RECOMMENDED			
			
TSFC6 - TSFC24	TSFC3 - TSFC24	TSFC6 - TSFC24	TSFC3 - TSFC12
PART NO: TSFCSEMG16-110V PART NO: TSFCSEMG16-220V	PART NO: TSFCPMG16	PART NO: TSFCHMG16	PART NO: TSFCECK110 PART NO: TSFCECK220

*On TSFC16 - TSFC120 Double Servo Electric and Double Pneumatic motorization is possible. For double pneumatic motorization, the double pneumatic conversion connectors and hose (PART NO. TSFCDPCCS) must be used.

TSFC3 - TSFC24: ELBOW MOTORS & FRONT DRIVE MOTOR MOUNT (OPTIONAL)

ELBOW SERVO ELECTRIC MOTOR *	ELBOW PNEUMATIC MOTOR *	FRONT DRIVE MOTOR MOUNT **
RECOMMENDED		
		
TSFC6 - TSFC24	TSFC3 - TSFC24	TSFC8 - TSFC24
PART NO: XP-TSFCSEMG16 PART NO: XP-TSFCSEMG16-3P	PART NO: TSFCEPMG16	PART NO: TSFCFMAL

*On TSFC16 - TSFC120 Double Servo Electric and Double Pneumatic motorization is possible. For double pneumatic motorization, the double pneumatic conversion connectors and hose (PART NO. TSFCDPCCS) must be used.

** On TSFC16 - TSFC48 two front drive motor mounts can be installed and these can be fitted with servo electric, electric, pneumatic and hydraulic motor.

TSFC30 - TSFC48: IN-LINE MOTORS (STANDARD)

SERVO ELECTRIC MOTOR *	PNEUMATIC MOTOR *	HYDRAULIC MOTOR
RECOMMENDED		
		
PART NO: TSFCSEMG25-110V PART NO: TSFCSEMG25-220V	PART NO: TSFCPMG25	PART NO: TSFCHMG25

*On TSFC16 - TSFC120 Double Servo Electric and Double Pneumatic motorization is possible. For double pneumatic motorization, the double pneumatic conversion connectors and hose (PART NO. TSFCDPCCS) must be used.

TSFC30 - TSFC48: ELBOW MOTORS & FRONT DRIVE MOTOR MOUNT (OPTIONAL)

ELBOW SERVO ELECTRIC MOTOR *

RECOMMENDED



PART NO: XP-TSFCSEMG25
PART NO: XP-TSFCSEMG25-3P

ELBOW PNEUMATIC MOTOR *



PART NO: TSFCEPMG25

FRONT DRIVE MOTOR MOUNT **



PART NO: TSFCFMAXL

*On TSFC16 - TSFC120 Double Servo Electric and Double Pneumatic motorization is possible. For double pneumatic motorization, the double pneumatic conversion connectors and hose (PART NO. TSFCDPCCS) must be used.

** On TSFC16 - TSFC48 two front drive motor mounts can be installed and these can be fitted with servo electric, electric, pneumatic and hydraulic motor.

TAG'S ELECTRIC NC SERVO DRIVE MOTOR SYSTEM

TAG's electric NC (Numerically Controlled) Servo Motor System offers an unrivaled level of speed, versatility, efficiency and overall cutting and bevel performance. The Delta 1.5 kW servo motor provides constant torque and does not slow down or strain under load.

TAG offers 2 versions of the NC Servo Drive Motor System:

- The **single servo motor system** (from TSCF6 upwards) (single phase, 110v or 220v) is equipped with 1 Delta 1.5 kW servo motor, an NC control unit with a wired remote.
- The **double servo motor system** (from TSCF16 upwards) (single phase, 220v or three phase 380/400/415/480v) is equipped with 2 Delta 1.5 kw servo motors, an NC control unit with operator's touch screen (allowing detailed RPM and program setting controls) and wireless remote, providing additional safety to machine operator.

The single servo motor system is advised to be used upto 1" / 25 mm wall thickness applications, whereas the double servo system is to be used on wall thickness above 1" /25 mm, larger diameter pipe (as of 24" / 609.6 mm) and exotic materials.

Single servo control



PART NO: TSFCSEMG16-110V
PART NO: TSFCSEMG16-220V

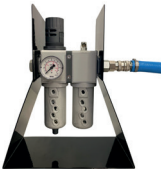
Double servo control



PART NO: TSFCDSEM2G16-220V
PART NO: TSFCDSEM2G16-3P

AIR FILTER LUBRICATORS FOR PNEUMATIC MACHINES ONLY

Air filter lubricator



TSFC3 - TSFC24

PART NO: AFL1

Air filter lubricator



TSFC30 - TSFC120

PART NO: AFL2

New!

Air filter lubricator with emergency stop



PART NO: DEFE-FRL5

New!

Air filter lubricator with emergency stop and automatic striker system



PART NO: DEFE-BOX-1

This unit delivers clean, regulated, lubricated airflow with up to 10 bar (145 psi) pressure and 2500 L/min (88.3 CFM) flow for reliable pneumatic performance.

This unit provides clean, regulated, lubricated airflow with up to 10 bar (145 psi) pressure and 5000 L/min (177 CFM) flow for reliable performance in demanding environments.

This unit delivers clean, regulated airflow with up to 10 bar (145 psi) pressure and 5000 L/min (177 CFM) flow, while the integrated emergency stop enhances operational safety.

This pneumatic control and feed system provides precise operation, integrated emergency stop functionality, and reliable performance with up to 10 bar (145 psi) pressure and 5000 L/min (177 CFM) flow.

TOOLING

TAG offers two ranges of standard HSS-Co (High Speed Steel-Cobalt) tooling:

- TAG formed / solid tooling: including sever/cut, bevel, double-bevel, compound bevel, J-prepping and counter bore tools. The tooling is available in a range of different lengths and sizes, allowing for a precise match between the tooling and its applications.
- TAG holder and insert tooling (**recommended**): including sever/cut, bevel, compound bevel and counter bore tools. Many holders utilize the same interchangeable inserts, reducing the quantity of consumable parts.

TAG also offers, next to its extensive range of standard tooling, custom designed tooling for particular applications, projects and materials.



All shapes, sizes and angles available

Specific tooling for automatic orbital welding applications with Magnatech is available.



FIXED ANGLE BEVEL



COMPOUND BEVEL



J PREP



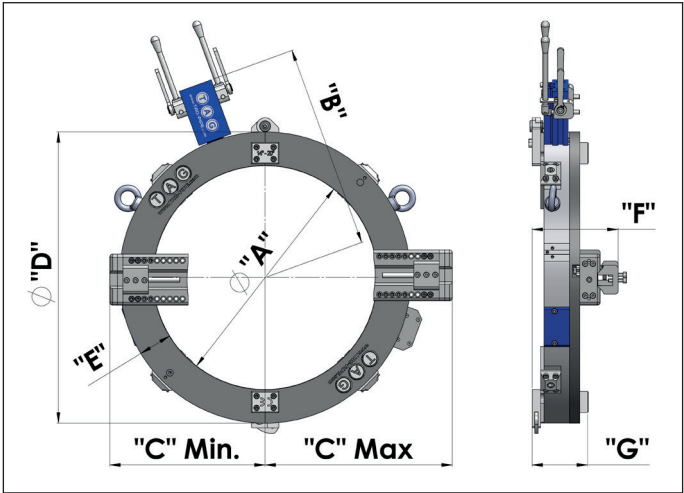
RING DIMENSIONS

		TSFC3	TSFC6	TSFC8	TSFC12	TSFC16	TSFC18	TSFC20	TSFC24	TSFC30	TSFC36	TSFC42	TSFC48
O/D RANGE	inch	1 - 3"	1 - 6"	2 - 8"	6 - 12"	10 - 16"	12 - 18"	14 - 20"	18 - 24"	24 - 30"	30 - 36"	36 - 42"	42 - 48"
A	mm	95	184.00	235.00	350.00	425.00	477.00	528.00	640.00	800.00	956.00	1,108.00	1,280.00
B	mm	223	283.00	308.50	396.00	433.50	459.50	485.00	541.00	635.00	713.00	789.00	895.00
C MIN	mm	136	187.00	212.50	270.00	307.50	333.50	359.00	415.00	523.50	601.50	677.50	783.50
C MAX	mm	168	197.00	222.50	356.00	393.50	419.50	445.00	501.00	615.00	693.00	769.00	875.00
D	mm	220	340.00	391.00	506.00	581.00	633.00	684.00	796.00	1,180.00	1,336.00	1,488.00	1,800.00
E	mm	62.5	78.00	78.00	78.00	78.00	78.00	78.00	78.00	100.00	100.00	100.00	120.00
F	mm	172.5	195.50	195.50	195.50	195.50	195.50	195.50	195.50	267.50	267.50	267.50	277.50
G	mm	81.5	124.00	124.00	124.00	124.00	124.00	124.00	124.00	196.00	196.00	196.00	206.00
X	mm	119	130.00	130.00	210.00	210.00	210.00	210.00	210.00	255.00	255.00	255.00	265.00

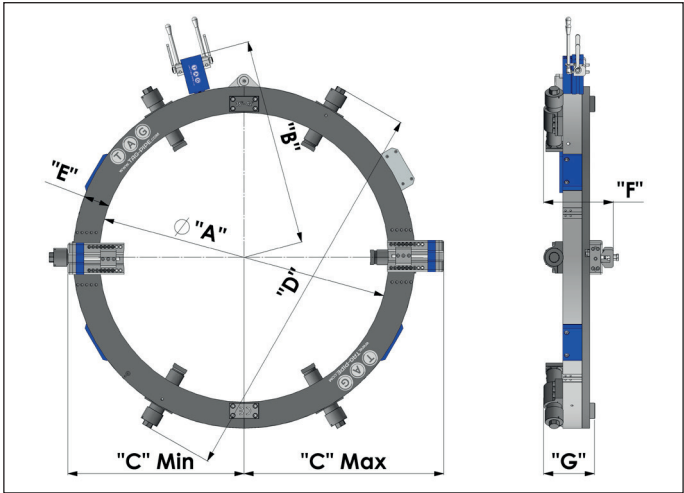
Low clearance options or custom machines available on request in case of access restrictions

F Ring only	172.5	195.50	195.50	195.50	195.50	195.50	195.50	195.50	195.50	267.50	267.50	267.50	267.50
F Pneumatic Motor	527	535.50	535.50	535.50	535.50	535.50	535.50	535.50	535.50	727.60	727.60	727.60	727.60
F Servo Motor	575	525.50	525.50	525.50	525.50	525.50	525.50	525.50	525.50	642.50	642.50	642.50	642.50
F Hydraulic Motor	n/a	425.00	425.00	425.00	425.00	425.00	425.00	425.00	425.00	425.00	425.00	425.00	425.00

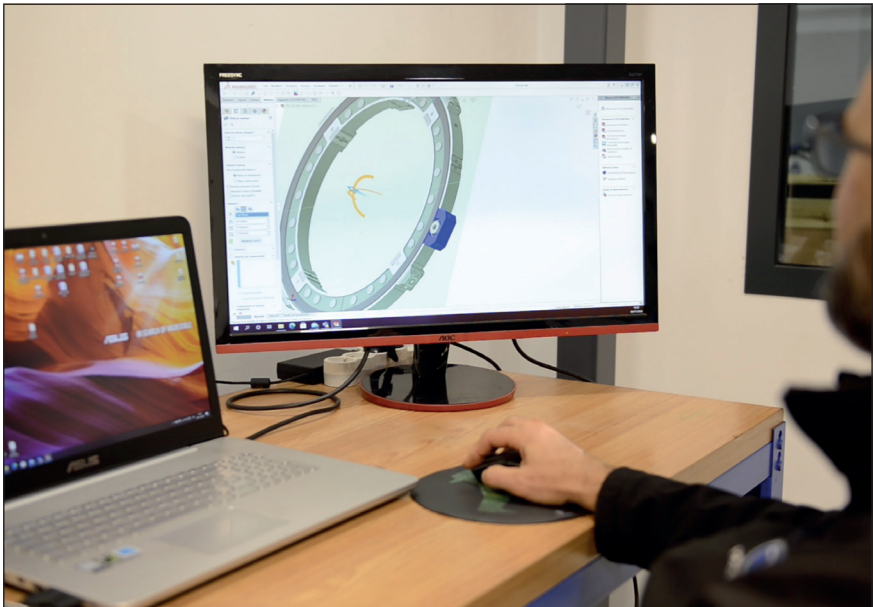
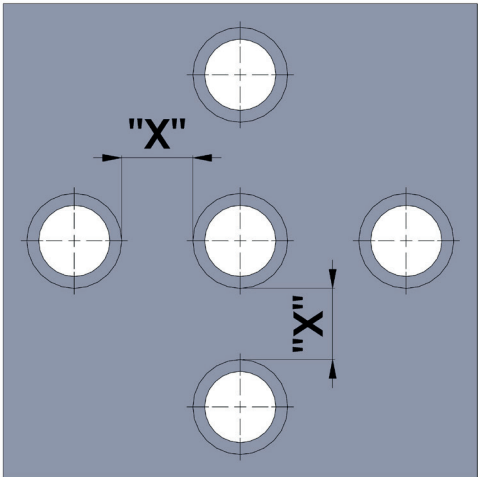
Right angle drive motors are available on request (extra at cost)



TSFC3 - TSFC24



TSFC30 - TSFC48



SPLIT FRAME TECHNICAL FEATURES

		TSFC3	TSFC6	TSFC8	TSFC12	TSFC16	TSFC18	TSFC20	TSFC24	TSFC30	TSFC36	TSFC42	TSFC48
Locking Range	inch o/d	1 - 3"	1 - 6"	2 - 8"	6 - 12"	10 - 16"	12 - 18"	14 - 20"	18 - 24"	24 - 30"	30 - 36"	36 - 42"	42 - 48"
Locking Range	mm o/d	33.4 - 88.9	33.4 - 168.3	60.3 - 219.1	168.3 - 323.9	273.1 - 406.4	323.9 - 457.2	355.6 - 508	457.2 - 609.6	609.6 - 762	762 - 914.4	914.4 - 1,066.8	1,066.8 - 1,219.2
Ring Only Weight	kg	12	23	32	46	53	58	62	76	183	204	242	323
Toolbox Stroke	mm	30	60	60	90	90	90	90	90	90	90	90	90
Motor Mount Positions	qty	1	1	1	1	2	2	2	2	2	2	4	4
Striker Mount Positions	qty	1	1	1	2	3	3	3	3	3	4	4	5
Bearing size	S/L	S	S	S	S	S	S	S	S	L	L	L	L
Spline Drive Size	mm	16	16	16	16	16	16	16	16	25	25	25	25
Pneumatic Idle Speed	rpm	5 - 44	5 - 36	5 - 28	5 - 21	5 - 18	5 - 17	5 - 16	5 - 15	1 - 8	1 - 8	1 - 7	1 - 6
Electric Idle Speed	rpm	5 - 40	5 - 20	5 - 16	5 - 12	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Servo Electric Idle Speed	rpm	n/a	1 - 45	1 - 36	1 - 27	1 - 23	1 - 21	1 - 19	1 - 18	1 - 9	1 - 9	1 - 8	1 - 7
Hydraulic Idle Speed	rpm	n/a	5 - 30	5 - 28	5 - 25	5 - 20	5 - 19	5 - 17	5 - 16	1 - 8	1 - 8	1 - 8	1 - 8
Pneumatic Motor Power	hp	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	3.5	3.5	3.5	3.5
Double Pneumatic Motor(s) Power	hp	n/a	n/a	n/a	n/a	3.7	3.7	3.7	3.7	7.0	7.0	7.0	7.0
Electric Motor Power	watt	1900	1900	1900	1900	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Single Servo Electric Motor Power	Kw	n/a	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Double Servo Electric Motor(s) Power	Kw	n/a	n/a	n/a	n/a	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Hydraulic Motor Power	hp	n/a	5.40	5.40	5.40	5.40	5.40	5.40	5.40	5.40	5.40	5.40	5.40
Electric / Servo Electric Voltage	volt	110 / 220	110 / 220	110 / 220	110 / 220	110 / 220	110 / 220	110 / 220	110 / 220	110 / 220	110 / 220	110 / 220	110 / 220
Electric / Servo Electric Frequency	Hz	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60
Air Working Pressure	psi / bar	90 / 6.5	90 / 6.5	90 / 6.5	90 / 6.5	90 / 6.5	90 / 6.5	90 / 6.5	90 / 6.5	90 / 6.5	90 / 6.5	90 / 6.5	90 / 6.5
Air hose Connection	inch	½	½	½	½	½	½	½	½	¾	¾	¾	¾
Air Consuming Flux (Double x2)	cfm/ LPM	50 / 1400								90 / 2500			
Feed Rate per Revolution	mm / inch	0.2 / 0.008								0.2 / 0.008			
Locking System		MODULAR								TELESCOPIC			
Our group policy is one of continuous improvement. Products and data tables are subject to change or vary from those illustrated.													

- All complete machines are supplied with: machine ring/body, motor, tool boxes, striker, locking jaws, machine box, service tools.
- A protective custom built metal box is supplied with TSFC6 - TSFC48, all larger sizes are supplied in a custom built wooden box. TSFC3 is supplied in a plastic hard cover protective box.
- Drawings, instruction manual and warranty certificate are also supplied as standard.
- Pneumatic machine must be used with filter lubricator and oil - use without will void warranty.



SPLIT FRAME PACKING WEIGHTS AND DIMENSIONS

SPLIT FRAME MODEL	TSFC3	TSFC6	TSFC8	TSFC12	TSFC16	TSFC18	TSFC20	TSFC24	TSFC30	TSFC36	TSFC42	TSFC48
Pneumatic	48 kg / 106 lbs.	167 kg / 368 lbs.	177 kg / 390 lbs.	197 kg / 434 lbs.	238 kg / 525 lbs.	241 kg / 531 lbs.	249 kg / 549 lbs.	262 kg / 578 lbs.	300 kg / 661 lbs.	335 kg / 738 lbs.	375 kg / 826 lbs.	445 kg / 981 lbs.
Double Pneumatic	n/a	n/a	n/a	n/a	258 kg / 569 lbs.	261 kg / 575 lbs.	269 kg / 593 lbs.	282 kg / 622 lbs.	320 kg / 705 lbs.	355 kg / 782 lbs.	395 kg / 870 lbs.	465 kg / 1,002 lbs.
Single Servo Electric	n/a	182 kg / 401 lbs.	182 kg / 401 lbs.	212 kg / 467 lbs.	253 kg / 558 lbs.	256 kg / 564 lbs.	264 kg / 582 lbs.	277 kg / 611 lbs.	315 kg / 694 lbs.	345 kg / 760 lbs.	385 kg / 848 lbs.	455 kg / 1,003 lbs.
Double Servo Electric	n/a	n/a	n/a	n/a	283 kg / 624 lbs.	286 kg / 631 lbs.	289 kg / 637 lbs.	307 kg / 677 lbs.	345 kg / 760 lbs.	380 kg / 837 lbs.	420 kg / 926 lbs.	490 kg / 1,080 lbs.
Hydraulic	n/a	162 kg / 357 lbs.	172 kg / 379 lbs.	192 kg / 423 lbs.	233 kg / 514 lbs.	236 kg / 520 lbs.	244 kg / 538 lbs.	257 kg / 567 lbs.	290 kg / 639 lbs.	320 kg / 705 lbs.	365 kg / 805 lbs.	435 kg / 960 lbs.
Packing Dimensions	800 x 600 x 450	1,200 x 900 x 470			1,450 x 1,000 x 510					L 1,460 x W 1,460 x H 500 mm	L 1,600 x W 1,600 x H 500 mm	L 1,960 x W 1,960 x H 500 mm

SPLIT FRAME CLAMSHELL COLD CUTTING AND BEVELLING MACHINES

48 - 120" o/d / 1,220 - 3,050 mm o/d



SCAN QR CODE
TO WATCH VIDEO

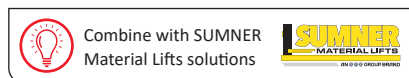


PIPE EQUIPMENT SPECIALISTS
AN AEGEE GROUP BRAND



48 - 120" o/d / 1,220 - 3,050 mm o/d

Larger sizes and customised machines available upon request



- **Functions:** External bevelling / internal bevelling / counter-boring / compound bevelling / J-prep bevelling
- **Materials:** Any kind of steel and exotic alloy
- **Power:** Pneumatic, hydraulic or servo electric motor (220v or three phase 380/400/415/480v)

INTRODUCTION

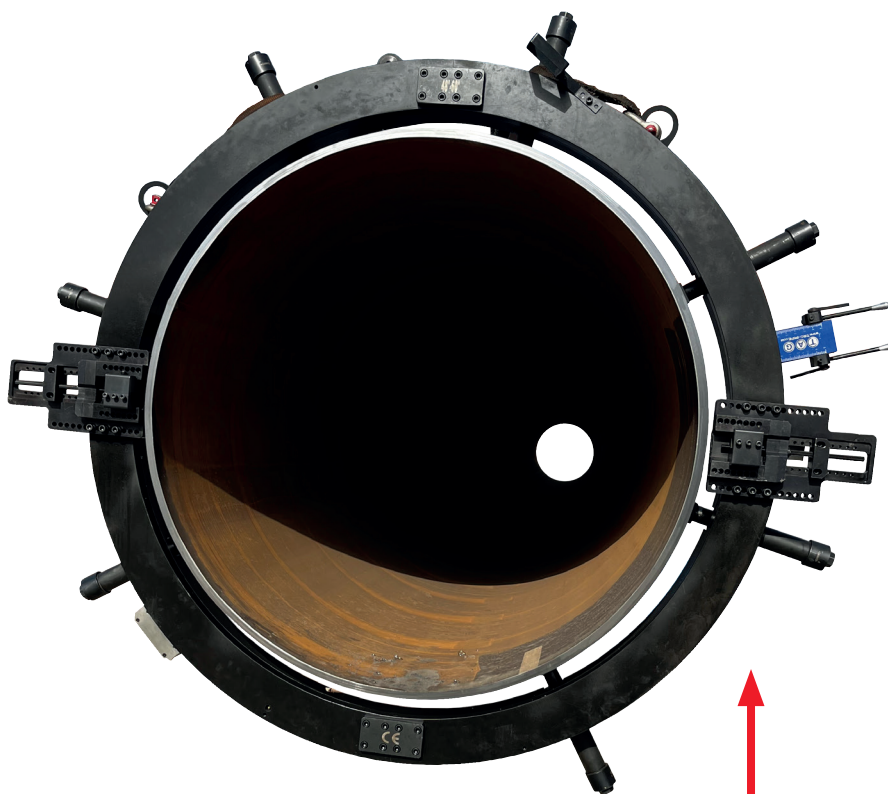
TAG's new split frame clamshells are essentially portable lathes.

Offering the versatility to cut and bevel (simultaneously if required), face, counterbore and o/d machine pipes (and vessels) of almost any diameter.

A steel body encases a steel inner ring gear, running on solid bearings.

Coupled with wide, hardened clamping feet, with easy read rule marks, enable rapid, repeatable concentric setup, even on out of round pipes and joints.

A range of tooling, power units and accessories allow you to tailor your machine to your particular job.



Heavy duty steel body

FEATURES AND ADVANTAGES

- 5 models cover a range from 48" (1,220 mm) to 120" (3,050 mm) o/d.
- Pneumatic, hydraulic and NC servo electric drive options provide increased versatility.
- Adjustable heavy duty bearings, combined with easy access maintenance points allow inspection and adjustment.
- Telescopic locking jaws are effortlessly individually adjusted and allow for quick and easy installation of the clamshell on the pipe. Feet feature easy read measure marks for rapid setup and adjustment.
- TAG split frame clamshells accept a wide range of accessories to increase performance and expand machine capabilities.
- Unique TAG transmission tool slides with changeable gears for adjustable radial tool feed.

MODEL	RANGE O/D (INCH)	RANGE O/D (MM)	CLAMPING JAWS
TSFC60	48 - 60"	1,220 - 1,524 mm	8
TSFC75	60 - 75"	1,524 - 1,910 mm	8
TSFC90	75 - 90"	1,910 - 2,290 mm	12
TSFC105	90 - 105"	2,290 - 2,680 mm	12
TSFC120	105 - 120"	2,680 - 3,050 mm	12

FEATURES



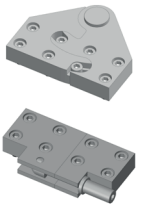
TAG advanced cam roller bearing system enables fine adjustment of bearings for optimal performance and maintenance delivering smooth precise rotation.



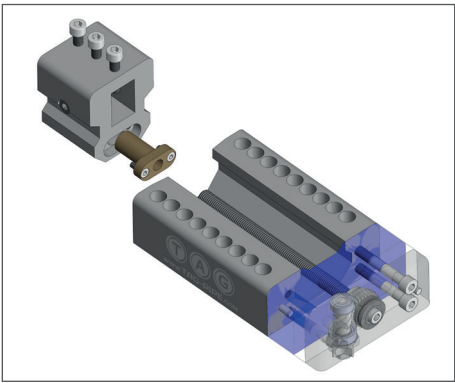
Using the latest high grade aluminium along with treated steel crown the TAG split frames are designed for heavy duty industrial on-site use.



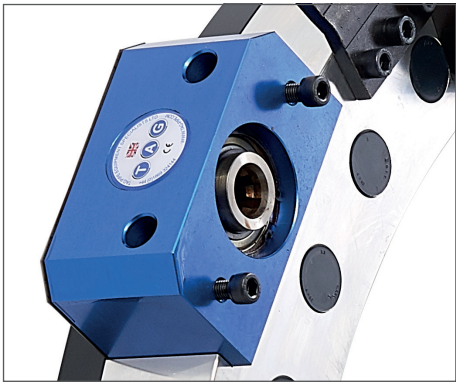
Quick lock/unlock splitting hinge to enable fast setup of machine onto pipes in situ.



Custom made wooden box to insure protection of the machine.



TAG advanced feeding system delivers feed through worm and crown to evenly distribute pressure through the feeding screw, resulting in reduced vibration and wear on cutting tools.



Two bolt motor mount enables fast mounting of motors. All power drives utilise the same drive block. All machines from 48 to 120" are equipped with two motor mounts. Front drive motor mount optionally available.



TELESCOPIC JAWS

Individual movable telescopic locking system externally mounted to keep aluminium ring solid for extra strength, increased clamping foot size 55 x 115 mm for fast accurate setup.

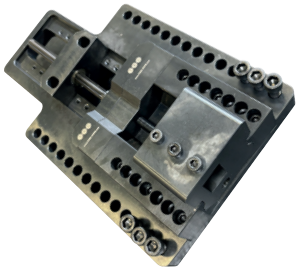


Double striker enables feeding of 0.2 mm per revolution, also utilising TAG extended engaging handle meaning hands free operation.

TOOL BOXES AND ACCESSORIES

The tool boxes are available in various configurations to accept the full range of TAG tooling.

STANDARD TOOL BOX



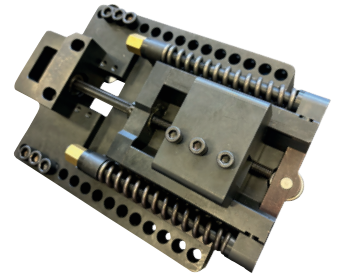
- Supplied as standard with complete machine
- **TSFC60 - TSFC120 (Part No SFTB9XXL)**
Cutting and bevelling all materials up to 4.7" / 120 mm wall thickness

STANDARD LOW CLEARANCE TOOL BOX



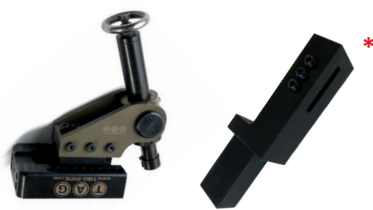
- Available as accessory
- Low profile for tight access situations
- **TSFC60 - TSFC120 (Part No SFTB11XL)**
Cutting and bevelling all materials up to 4.7" / 120 mm wall thickness

SPRING LOADED O/D TRACKING TOOL BOX



- Available as accessory
- Ensuring accurate weld prep and root face by mechanically tracking the o/d of the pipe (ideal for out of round and large diameters pipe)
- **TSFC60 - TSFC120 (Part No TSFCSLTBXL)**
Cutting and bevelling all materials up to 0.8" / 20 mm wall thickness

COUNTER BORE TOOL SLIDE



PART NO: TSFCIT150MXL (TSFC60 - 120)
* PART NO: TSFCIBE50

The counter bore slide module accessory bolts directly to the standard tool slide and can be installed immediately upon completion of the cut and external bevel, to remove any internal inconsistencies prior to welding. The counter bore tool slide can be adjusted from 0 to 45 degree and has 6" / 150 mm feed.

* The internal bevel tool extension offers 0.79" / 20 mm feed and is ideal for automatic orbital welding preparation.

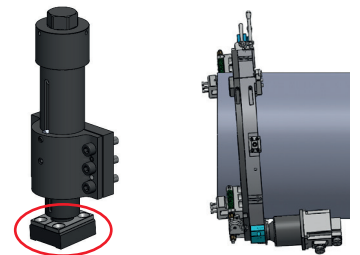
OUTSIDE BEVEL TOOL SLIDE



PART NO: TSFOBTXL

The outside bevel tool slide accessory allows to remove an external pipe cover and/or reduce the outside diameter of the pipe. The accessory bolts on to the clamshell ring and is 11.8" / 300 mm in size, with a functional feed of 9.85" / 250 mm. Tooling is specifically designed per application.

SWIVEL LOCKING JAWS



PART NO: ON REQUEST
(TSFC60 - 120)

The set of swivel locking jaws allows the machine to be positioned offset to the pipe with an inclination of 1 to 5 degrees. This accessory is useful on elbows, conic surfaces and for offset cutting.

TAG CLAMSHELL POWER OPTIONS & DRIVE UNITS

To meet the varying needs of job-sites worldwide, TAG’s clamshell motors and drives are available in a range of configurations. Drive motors are available in servo electric, hydraulic, pneumatic and electric configurations. Motor mounting flanges are standard available in straight back (in-line) and elbow / right angle version. Front drive reversible version is optional.

TSFC60 – TSFC120: IN-LINE MOTOR OPTIONS

DOUBLE SERVO ELECTRIC MOTOR

RECOMMENDED



PART NO: TSFCDSEM2G25-220V
PART NO: TSFCDSEM2G25-3P

PNEUMATIC MOTOR *



PART NO: TSFCPMG25

HYDRAULIC MOTOR



PART NO: TSFCHMG25

*On TSFC60 - TSFC120 for double pneumatic motorization, the double pneumatic conversion connectors and hose (PART NO. TSFCDPCCS) must be used.

TSFC60 – TSFC120: ELBOW MOTOR OPTIONS

ELBOW SERVO ELECTRIC MOTOR

RECOMMENDED



PART NO: XP-TSFCSEMG25
PART NO: XP-TSFCSEMG25-3P

ELBOW PNEUMATIC MOTOR *



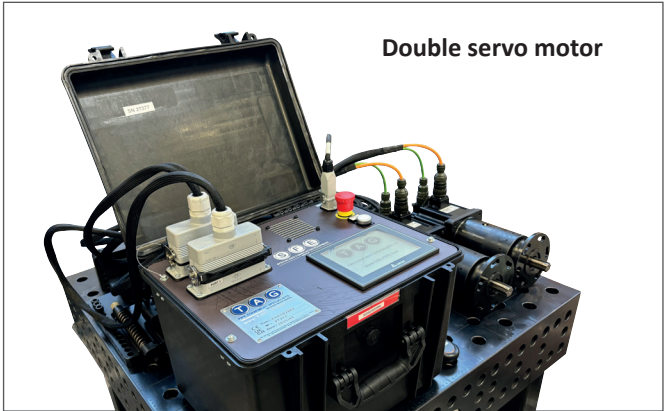
PART NO: TSFCEPMG25

*On TSFC60 - TSFC120 For double pneumatic motorization, the double pneumatic conversion connectors and hose (PART NO. TSFCDPCCS) must be used.

TAG’S ELECTRIC NC SERVO DRIVE MOTOR SYSTEM

TAG’s electric NC (Numerically Controlled) Servo Motor System offers an unrivaled level of speed, versatility, efficiency and overall cutting and bevel performance. The Delta 1.5 kW servo motor provides constant torque and does not slow down or strain under load.

TAG offers for its largest split frames the double servo motor system (single phase, 220v or three phase 380/400/415/480v), equipped with 2 Delta 1.5 kw servo motors, an NC control unit with operator’s touch screen (allowing detailed RPM and program setting controls) and wireless remote, providing additional safety to machine operator.



Double servo motor

PART NO: TSFCDSEM2G25-220V
PART NO: TSFCDSEM2G25-3P

AIR FILTER LUBRICATORS FOR PNEUMATIC MACHINES ONLY



This unit provides clean, regulated, lubricated airflow with up to 10 bar (145 psi) pressure and 5000 L/min (177 CFM) flow for reliable performance in demanding environments.



This unit delivers clean, regulated airflow with up to 10 bar (145 psi) pressure and 5000 L/min (177 CFM) flow, while the integrated emergency stop enhances operational safety.



This pneumatic control system provides precise operation, integrated emergency stop functionality, and reliable performance with up to 10 bar (145 psi) pressure and 5000 L/min (177 CFM) flow.

TOOLING

TAG offers two ranges of standard HSS-Co (High Speed Steel-Cobalt) tooling:

- TAG formed / solid tooling: including sever/cut, bevel, double-bevel, compound bevel, J-prepping and counter bore tools. The tooling is available in a range of different lengths and sizes, allowing for a precise match between the tooling and its applications.
- TAG holder and insert tooling (**recommended**): including sever/cut, bevel, compound bevel and counter bore tools. Many holders utilize the same interchangeable inserts, reducing the quantity of consumable parts.

TAG also offers, next to its extensive range of standard tooling, custom designed tooling for particular applications, projects and materials.



All shapes, sizes and angles available

Specific tooling for automatic orbital welding applications with Magnatech is available.

MAGNATECH
AN OTEC GROUP BRAND

FIXED ANGLE BEVEL



COMPOUND BEVEL

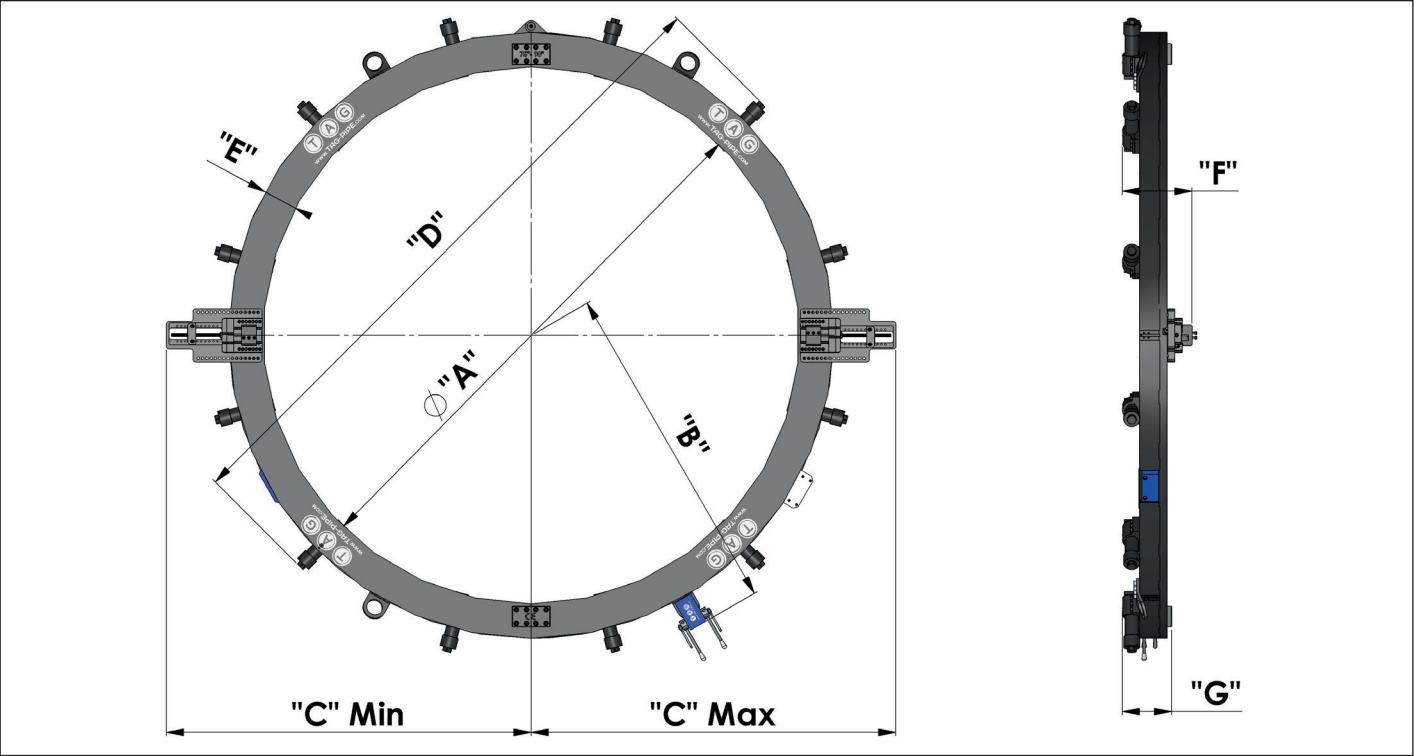


J PREP

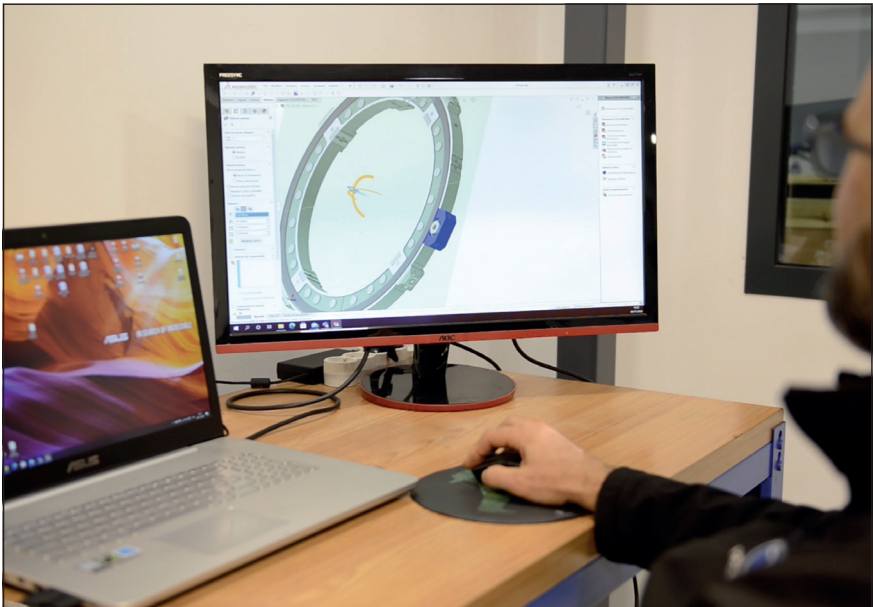
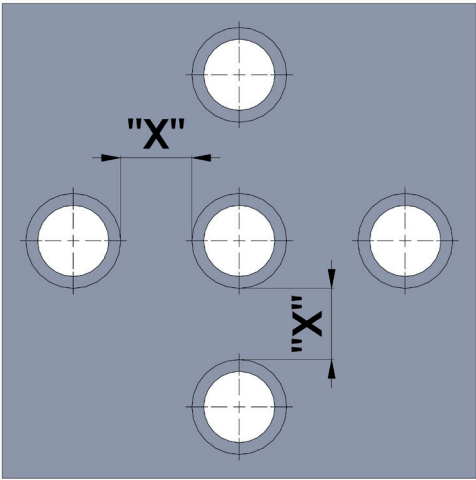


RING DIMENSIONS

		TSFC60	TSFC75	TSFC90	TSFC105	TSFC120
O/D RANGE	inch	48 - 60"	60 - 75"	75 - 90"	90 - 105"	105 - 120"
A	mm	1550	1948	2329	2714	3100
B	mm	1034,5	1261	1451,5	1657.5	1850
C MIN	mm	1100	1217	1392	1579	1772
C MAX	mm	1158	1392	1584	1776	1969
D	mm	2019	2428	2809	3149	3535
E	mm	122,5	150	150	150	150
F	mm	285	303	303	303	303
G	mm	199	207	207	222	222



TSFC60 - TSFC120



SPLIT FRAME TECHNICAL FEATURES

		TSFC60	TSFC75	TSFC90	TSFC105	TSFC120
Locking Range	inch o/d	48 - 60"	60 - 75"	75 - 90"	90 - 105"	105 - 120"
Locking Range	mm o/d	1,220 / 1,524	1,524 / 1,910	1,910 / 2,290	2,290 / 2,680	2,680 / 3,050
Ring Only Weight	kg	816	1255	1550	1810	2100
Toolbox Stroke	mm	210	210	210	210	210
Motor Mount Positions	qty	4	2	2	2	2
Striker Mount Positions	qty	3	4	4	4	4
Bearing size	S/L	L	L	L	L	L
Spline Drive Size	mm	25	25	25	25	25
Pneumatic Idle Speed	rpm	1 - 5	1 - 4	1 - 4	1 - 3	1 - 2
Electric Idle Speed	rpm	n/a	n/a	n/a	n/a	n/a
Servo Electric Idle Speed	rpm	1 - 6	1 - 5	1 - 5	1 - 4	1 - 3
Hydraulic Idle Speed	rpm	1 - 7	1 - 6	1 - 6	1 - 5	1 - 4
Pneumatic Motor Power	hp	3.5	3.5	3.5	3.5	3.5
Double Pneumatic Motor(s) Power	hp	7	7	7	7	7
Electric Motor Power	watt	n/a	n/a	n/a	n/a	n/a
Single Servo Electric Motor Power	Kw	1.5	1.5	1.5	1.5	1.5
Double Servo Electric Motor(s) Power	Kw	3	3	3	3	3
Hydraulic Motor Power	hp	5.4	5.4	5.4	5.4	5.4
Electric / Servo Electric Voltage	volt	110 / 220	110 / 220	110 / 220	110 / 220	110 / 220
Electric / Servo Electric Frequency	Hz	50 / 60	50 / 60	50 / 60	50/ / 60	50 / 60
Air Working Pressure	psi / bar	90 / 6.5	90 / 6.5	90 / 6.5	90 / 6.5	90 / 6.5
Air hose Connection	inch	¾	¾	¾	¾	¾
Air Consuming Flux (Double x2)	Cfm / LPM	90 / 2500	90 / 2500	90 / 2500	90 / 2500	90 / 2500
Feed Rate per Revolution	mm / inch	0.2 / 0.008	0.2 / 0.008	0.2 / 0.008	0.2 / 0.0008	0.2 / 0.008
Locking System		TELESCOPIC				
Our group policy is one of continuous improvement. Products and data tables are subject to change or vary from those illustrated.						

- All complete machines are supplied with: machine ring/body, motor, tool boxes, striker, locking jaws, machine box, service tools.
- A protective custom built wooden box is supplied.
- Drawings, instruction manual and warranty certificate are also supplied as standard.
- Pneumatic machine must be used with filter lubricator and oil - use without will void warranty.

SPLIT FRAME PACKING WEIGHTS AND DIMENSIONS

		TSCF60	TSCF75	TSCF90	TSCF105	TSCF120
Ring weight	kg	816	1,255	1,550	1,810	2,100
Tool box weight (pair)	kg	60	60	60	60	60
Double striker	kg	3.5	3.5	3.5	3.5	3.5
Pneumatic motor	kg	13.55	13.55	13.55	13.55	13.55
Servo motor & gearbox	kg	22.50	22.50	22.50	22.50	22.50
Single NC control box 1 motor drive & cables	kg	33.55	33.55	33.55	33.55	33.55
Double NC control box 2 motor drive & cables	kg	65.75	65.75	65.75	65.75	65.75
Hydraulic motor	kg	9.95	9.95	9.95	9.95	9.95
Hand tools + shimms	kg	4.20	4.20	4.20	4.20	4.20
Filter lubricator & hose	kg	6.70	6.70	6.70	6.70	6.70

- **Functions:** External V-J-bevelling / internal bevelling / counter-boring / compound bevelling / weld removal / flange facing / flange preparation (flat face, raised face, RTJ groove, male & female) / Norsok compact flange machining / OD turning / radius preparation / heat exchanger seal face machining
- **Materials:** Any kind of steel and exotic alloy, titanium and all other hard material
- **Power:** Electrical controller (three phase 380-480V) with servo motor

FEATURES

TAG's advanced single point fully programmable CNC Crossbar, designed for seamless integration with TAG's standard TSFC-series, brings precision and efficiency to machining operations. With only one setup first a cut can be made, followed by the CNC preparation, or directly the CNC preparation can be performed.

The CNC Crossbar comes with a controller unit that steers the servo electric motor for its rotation. On the crossbar 2 brushless motors power the 2 interpolating X and Z axes. This interpolation allows to fully and precisely control the trajectory of the tool and the shape of the preparation.

User-controlled CNC system:

The CNC Crossbar 7" wired touchscreen remote pad offers a user friendly interface experience, that allows for fully customizable cutting parameters (rotation speed, feeding speed, depth of cut, etc). The integrated software does not require any licenses, as it is not limited to pre-loaded shapes or applications, it offers a full and free application control to the operator prior and during the operation of the CNC Crossbar.



This set up is composed of :

- a Splitframe Clamshell Ring Only (Part No. TSFCXXR*)
- a CNC Crossbar (Part No. TCNCCBXX*)
- a Controller Kit (Part no. TCNCCDE16-3P/TCNCCDE25-3P)



- CNC Crossbar compatible with TSFC20 - TSFC75 (Part No TCNCCBXX*)



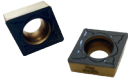
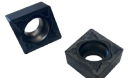
- This kit includes: servo motor, cables, wired remote control pad with 7" touchscreen and electrical cabinet
- TSFC20 and TSFC24 (Part no. TCNCCDE16-3P)
- TSFC30 up to TSFC75 (Part no. TCNCCDE25-3P)

* XX: size of TSFC.

PART NO	DESCRIPTION	WORKING RANGE i/d min to o/d max	SPLITFRAME PART NO.	RANGE mm/inch (o/d)	Controller kit PART NO.
TCNCCB20	TAG CNC Controlled Cross Bar for TSFC20	168 - 470 mm / 6.6 - 18.5"	TSFC20R	355,6 - 508 mm / 14 - 20"	TCNCCDE16-3P
TCNCCB24	TAG CNC Controlled Cross Bar for TSFC24	273 - 590 mm / 10.7 - 23.2"	TSFC24R	457.2 - 609.6 mm / 18 - 24"	
TCNCCB30	TAG CNC Controlled Cross Bar for TSFC30	457 - 780 mm / 18 - 30.7"	TSFC30R	609.6 - 762 mm / 24 - 30"	TCNCCDE25-3P
TCNCCB36	TAG CNC Controlled Cross Bar for TSFC36	610 - 925 mm / 24 - 36.4"	TSFC36R	762 - 914.4 mm / 30 - 36"	
TCNCCB42	TAG CNC Controlled Cross Bar for TSFC42	762 - 1,080 mm / 30 - 42.5"	TSFC42R	914.4 - 1,067 mm / 36 - 42"	
TCNCCB48	TAG CNC Controlled Cross Bar for TSFC48	914 - 1,240 mm / 36 - 48.8"	TSFC48R	1,067 - 1,219 mm / 42 - 48"	
TCNCCB60	TAG CNC Controlled Cross Bar for TSFC60	1,219 - 1,535 mm / 48 - 60.4"	TSFC60R	1,220 - 1,524 mm / 48 - 60"	
TCNCCB75	TAG CNC Controlled Cross Bar for TSFC75	1,600 - 1,930 mm / 63 - 76"	TSFC75R	1,524 - 1,910 mm / 60 - 75"	

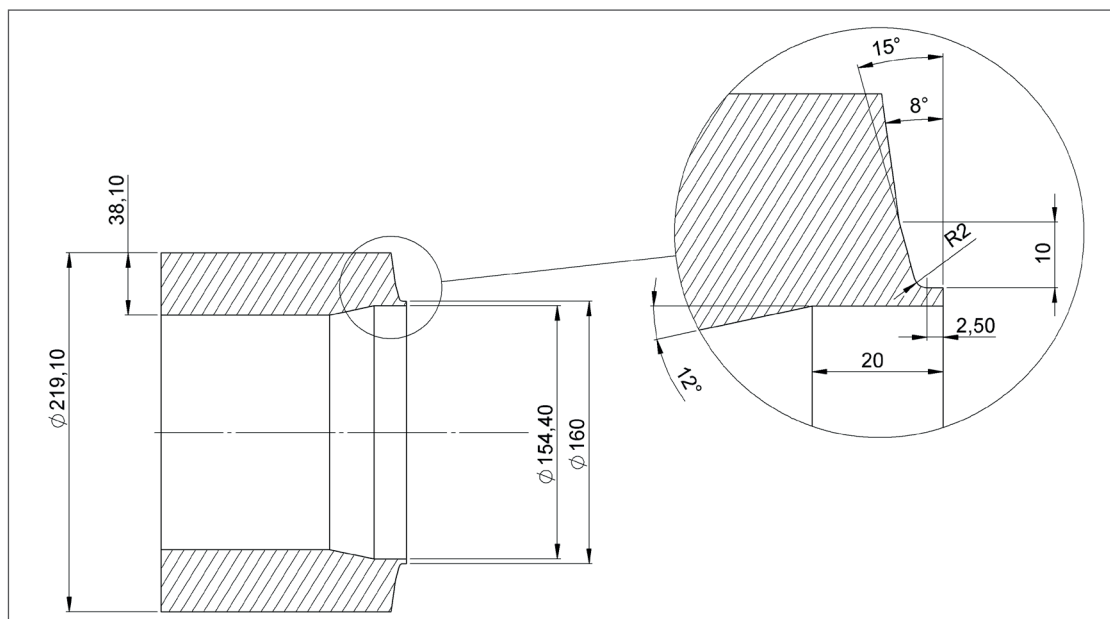
TOOLING

TOOL HOLDER	
	An outside beveling tool holder and an inside beveling tool holder are available.
	Outside beveling tool (PART NO. CCBTHE2020K12) Inside beveling tool (PART NO. CCBTHI2020K12)

TOOLS			
INSERTS FOR CARBON STEEL & STAINLESS STEEL			
	Inserts for carbon steel (box of 10) PART NO. CCBTIE120408		Inserts for stainless steel (box of 10) PART NO. CCBTIE120408SS

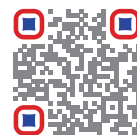
APPLICATION EXAMPLE

Double-sided J-groove joint preparation with internal machining for a nuclear application.

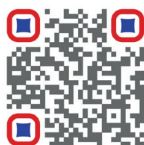


E-Z FAB PIPE CUTTING AND BEVELLING MACHINES

2 - 16" o/d / 60 - 420 mm o/d

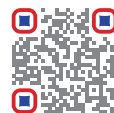


SCAN QR CODE
TO WATCH VIDEO



PIPE EQUIPMENT SPECIALISTS
AN ASSA GROUP BRAND

www.TAG-PIPE.com



2 - 16" o/d / 60 - 420 mm o/d

THE BASICS

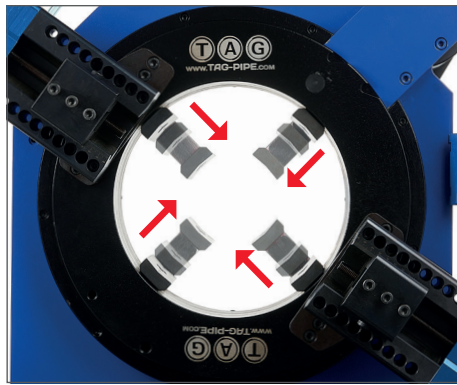
The E-Z FAB is a revolutionary new cutting and bevelling system for pipes. Ideally suited, but not limited to workshops, and high productivity process environments.

The E-Z FAB utilises a similar principle to the clamshell split frame cutting and bevelling machines. The E-Z FAB consists of a movable trolley fitted with a case outer body housing the rotating, working cutting ring which is driven by an NC controlled powerful 1.5kw servo electric motor (110 or 220v). This design provides strength, rigidity and speed as well as high efficiency and precision to the pipe cutting process.



FEATURES AND ADVANTAGES

- High speed process pipe cutting and bevelling
- Unique touch screen NC servo electric drive (single phase 110 / 220v)
- Combines accuracy with safety
- Several automation modes
- Clockwise and counter clockwise rotation
- Any material (minimum pipe length required is 250 mm / 9.84")
- Customisable to your needs



Self-centering locking system for rapid alignment and clamping of pipe



Built in coolant pump unit with drip tray as standard



Sealed electrical box housing all NC controls and cabling

All shapes, sizes and angles available



Wide range of cutting tools available for cutting all thicknesses of pipe and bevelling at any required angle



Pipe cutting



Pipe bevelling

Specific tooling for automatic orbital welding applications with Magnatech is available.

MAGNATECH
AN OTC GROUP BRAND

TOUCH SCREEN

The E-Z FAB has been fitted with a powerful 1.5KW Delta servo motor with Delta NC control. This enables ease of use with all functions touch screen, we have used our 25 years experience to recommend pre-set speeds for pipe size/material as you can see below this enables very quick and easy set up with no human error.

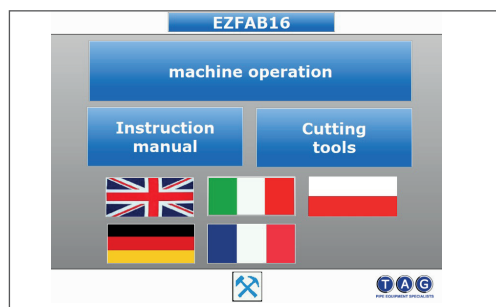
The numerically controlled (NC) servo motor offers unrivalled power and cut speeds, from a touch screen Delta control system, conveniently mounted on an adjustable stalk-arm for operating ease.

The touch screen control comes with 2 main settings: manual and automatic.

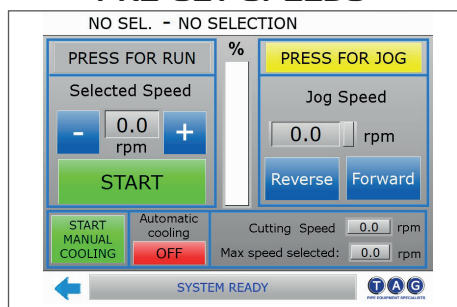
The automatic option offers pre-set cut rotation speeds for pipes within each machines' range, whilst the manual option allows the operator to adjust the speed of the machine themselves.

* Touch screen controls can be customised during commissioning/training.

MACHINE OPERATION



RECOMMENDED PRE-SET SPEEDS



MODELS AVAILABLE

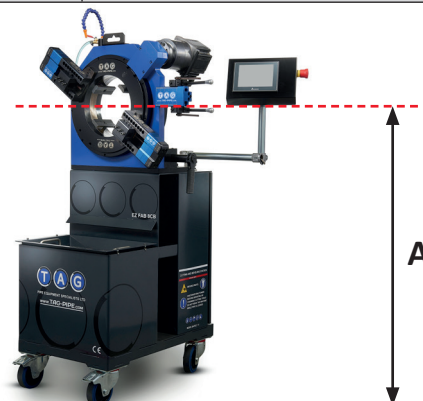
MODEL		RANGE O/D (INCH)	RANGE O/D (MM)	WALL THICKNESS (MM)	PACKED DIMENSIONS	PACKED WEIGHT
EZFAB8SE110	EZFAB8SE220	2 - 8"	60 - 220 mm	6 - 40 mm	1,730 x 810 x 670 mm 67 x 32 x 27"	295 kg / 650 lbs
EZFAB12SE110	EZFAB12SE220	6 - 12"	170 - 320 mm	6 - 40 mm	1,940 x 810 x 900 mm 77 x 32 x 36"	335 kg / 738 lbs
EZFAB16SE110	EZFAB16SE220	10 - 16"	270 - 420 mm	6 - 40 mm	1,940 x 810 x 900 mm 77 x 32 x 36"	350 kg / 771 lbs
110v	220v	* Wall thicknesses less than or greater than the above can be achieved with accessories - please contact us				

EXAMPLE CUTTING AND BEVELLING TIMES

PIPE SIZE	PIPE SHD	WALL THICKNESS (MM)	PIPE MATERIAL	PRE-SET SPEED	CUTTING AND BEVELLING TIME
2 inch	SHD40	4 mm	Stainless Steel	45 rpm	2 minutes
4 inch	SHD40	4 mm	Stainless Steel	30 rpm	2.5 minutes
6 inch	SHDXXS	22 mm	Carbon	35 rpm	5 minutes
8 inch	SHD40	8 mm	Stainless Steel	20 rpm	9 minutes

CENTRELINE OF CUTTING POINT

MODEL	(A) MM	(A) INCH
EZFAB8	1,196.00	47.08
EZFAB12	1,132.50	44.58
EZFAB16	1,177.50	46.35
* Minus 155 mm / 6.10" without castor wheels		



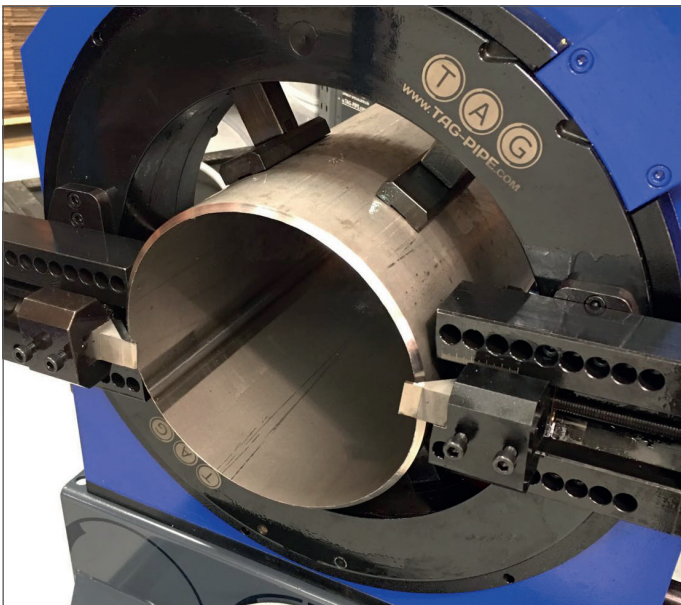
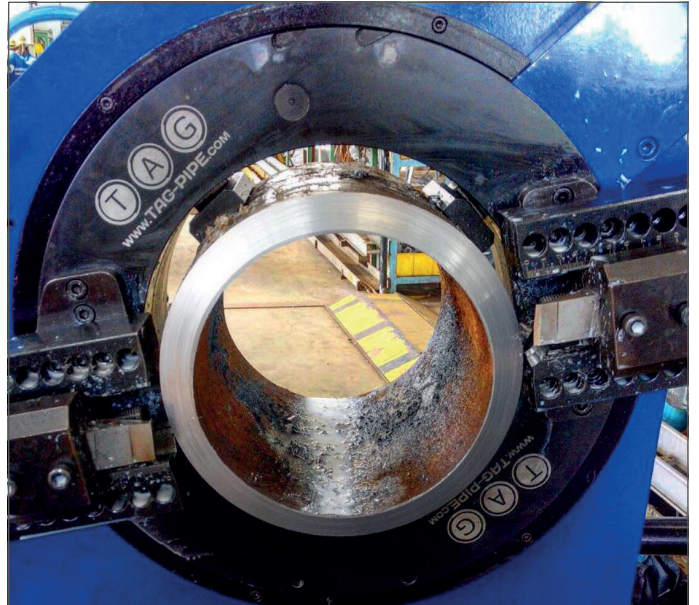
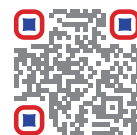


PLATE BEVELLING MACHINES



PIPE EQUIPMENT SPECIALISTS
AN    GROUP BRAND





RANGE: thickness 1.5 mm upwards / bevel angle from 22.5° to 60°

Max bevel width 16 mm / max radius 5 mm

Portable hand plate bevelling and radiusing machine for straight and shaped plate

- **Materials:** Any kind of steel, aluminium, brass or plastics
- **Power:** 110 or 220v or pneumatic

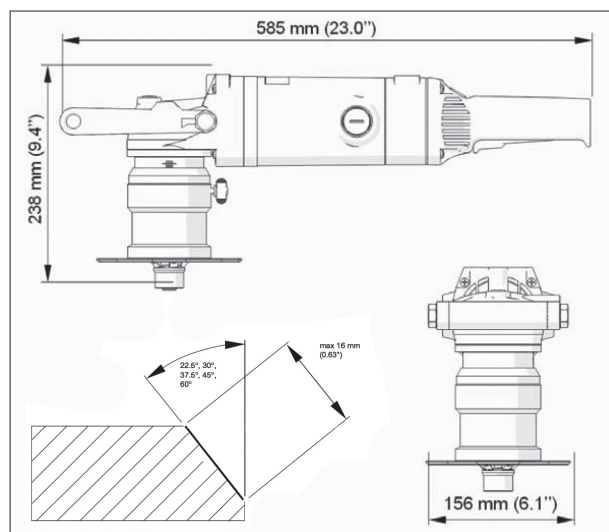
For the deburring of outer and inner outlines, bevelling, milling of radii and bore holes as from 40 mm Ø.

Depending on the chosen milling head the machine enables bevelling materials with minimum thickness of 1.5 mm (0.06") at the angles of 22.5°, 30°, 37.5°, 45°, 55° or 60° and with maximum bevel width of 16 mm (0.63"). Each milling head uses 5 indexable cutting inserts.

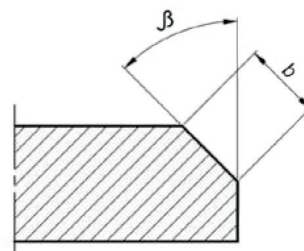
One milling head for bevelling radius enables bevelling edges with radius of 2, 3, 4 or 5 mm with use of 4-sided indexable R2, R3, R4 or R5 cutting inserts.

Especially developed to produce clean visible edges and to prepare welds.

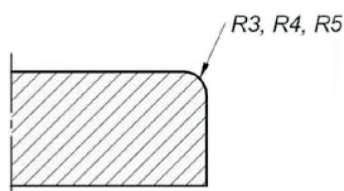
- Tool-less adjustment of bevel height
- Handy and powerful with overload protection
- Speed control for use on variety of materials
- For construction steels, stainless steels, aluminium and other materials



Bevel milling head



Radius milling head



PMM155 TECHNICAL FEATURES

Power Supply	230v / 110v 50 - 60 Hz
Motor	2200W
Motor speed	1800 - 5850rpm
Minimal diameter of countersinking	40 mm
Bevelling with radius	R2, R3, R4, R5
Maximal bevel width	@ 45° (b) 16 mm
Feed	0,5 - 10 m/min (manual)
Bevelling angles	22.5°, 30°, 37.5°, 45°, 50°, 55° and 60°
Plate thickness	Minimum 1.5 mm
Dimensions	585 x 156 x 238 mm
Weight	10 kg / 22 lbs.





TAG
PIPE TOOL GROUP SPECIALISTS
PMM200
www.TAG-PIPE.com

Made in France
PLATE BEVELLING MACHINE
Type PMM200220
S/N 550462
Date: 2024/08
1600/1800W - 230V
220-240V/50-60Hz
n° 27601 3340rpm
CE
UKCA
TAG
SPE Group
250 rue de la Vallée
28000 La Vallée
FR - 33 (0)475 31 310
www.tag-pipe.com

RANGE: thickness 6 to 60 mm / bevel angle from 0° to 60°

Max bevel width 21 mm

Portable hand plate bevelling machine

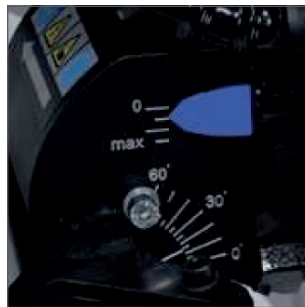
- **Materials:** Any kind of steel and aluminium
- **Power:** 110 or 220v or pneumatic

The PMM200 - is a new generation, easy to use, portable, heavy duty machine designed for bevelling steel plates prior to welding. This bevelling machine is fitted with a mono block milling head containing 10, offset inserts, allowing smooth operation and exceptional efficiency. One set of inserts can last for up to 2000 meters of bevelled steel edge and allows to work with an output around 1.5 meters/minute (depending on the amount of the metal being removed).

The PMM200 incorporates many safety features. It has a state of the art electronic control module protecting the operator, machine and tools. It is equipped with guide rolls, which make it easy and light to operate.



Mono block milling head, with 10 indexable inserts fixed with screws.



Continuous angle adjustment from 0 to 60 degrees.

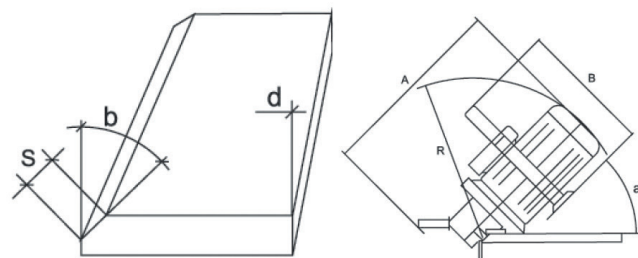


Plate facing-off



Plate bevelling

A mm (")	B mm (")	R mm (")	S mm (")	D min mm (")	a (°)	b (°)	g (°)	d = 0°	Weight kg (lbs)
420 16.5625	330 13	305 12	0 - 20 0 - 0.75	150 6	45 - 75	15 - 60	75 - 30	Yes	20.0 43



Pipe bevelling possible with no accessories up to 12".
An optional attachment for bevelling up to 24" is also available.

PMM200 TECHNICAL FEATURES

Power Supply	1,1 KW, 110v or 230v
Motor	Inductive with increased start-up current
Motor speed	2.820 rpm
Tooling	Integral milling head with 10 square inserts
Standard angles range	0° - 60°
Optional functions	Plate facing
Plate Thickness	Minimum 6 mm
Dimensions	480 x 420 x 360 mm
Weight	20kg / 44lbs.

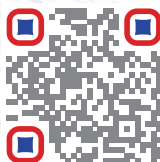


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MAGNATECH

B&D SUMNER

CALDER

BORTECH

PDM
PIPE PUMPS & VALVES

FIT-UP PRO

SUMNER
MATERIAL LIFTS

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