

FEBRUARY 2023

# PIPE EQUIPMENT SPECIALISTS COMPLETE BROCHURE











# **Introduction to S.F.E. Group**

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). Most recently the S.F.E Group has completed the acquisition of the AXXAIR Group (France).

S.F.E. Group offers a wide range of products and is continuously exploring new product design and development, as well as add-on acquisitions to enhance its portfolio and to fulfil increasing industries' demands.

With offices and warehousing on 4 continents, 120 employees and more than 250 partnerships and distributors worldwide, S.F.E. Group prides itself in consistently offering the highest standard of both product quality and service 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.





### **OUR BRANDS**















# **Introduction to TAG Pipe Equipment Specialists**

The company TAG Pipe Equipment Specialists LTD (TAG PIPE) was originally founded in the United Kingdom in 1985. Its core activities were the manufacturing and supplying of pipework fabrication tools and machinery, as well as handling equipment. Over the years TAG PIPE became internationally one of the foremost leaders in its field.

> S.F.E. Group's TAG PIPE range of cold cutting and bevelling machines is established and recognised as one of the world's leading and prominent brands.

Being one of the driving factors of the organization's success, TAG PIPE's range of pipe cutting and bevelling machines warranted becoming its own brand in 2019 following the merger in 2019 of B&B Pipe and Industrial Tools LLC (USA), Mathey Dearman Inc. (USA) and TAG Pipe Equipment Specialists (UK) and the recent addition in 2022 of AXXAIR (France) into Specialized Fabrication Equipment (S.F.E.) Group.

Backed by more than 35 years of development, S.F.E. Group's brand TAG PIPE not only ensures the highest quality heavy duty machines utilising the latest technology, but also an emphasis on continuous R&D.

As an OEM, S.F.E. Group prides itself being renowned for its innovations, ground-breaking developments and patented designs within the TAG PIPE range. With its engineering capabilities, customer-oriented focus and flexibility, the TAG PIPE brand provides the possibility to design out-of-the-box machining applications and solutions to fulfil customers' projects' specific needs in particular and to cater for an ever-evolving industry in general.

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

TAG PIPE's products are available from the international S.F.E. Group branches on 4 continents, as well as from S.F.E. Group's extensive and continuously expanding global network of partners and distributors.

Get in touch for any pipe cutting and bevelling application.







TAG manufactures a large range of i/d locking portable end PREP machines ranging from ½" to 42". TAG bevelling machines can produce all types of weld preparations required on any kind of metals from standard carbon steel to tough material such as super duplex and inconel.



TAG also manufactures a diverse range of small, medium and large diameter pipe cutting and bevelling machines for both workshop and job site applications covering from 1" to 120" pipe.

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



















# PREP 2 PIPE BEVELLING ½" to 1½"





### RANGE: 23 - 42mm i/d / 0.9 - 1.5" i/d (optional from 12.5mm i/d / 0.5" i/d)

**Functions:** External bevelling / internal bevelling / elbow and

fittings bevelling / facing, counter-boring / weld

removal / J-prepping and facing of tube plate

Materials: Any kind of steel and exotic alloy

Pneumatic, electric or battery (110v or 220v) Power:

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 bevelling and facing of tubes is simple, ideal for accurate repetitive work. Its size, power, and functionality, make it extremely popular in high volume heat exchanger work, tube facing, weld removal, and J-prepping of the tube plate. Also used extensively on power station shutdowns for boiler panel bevels.



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:**











### **ACCESSORIES AND OPTIONS:**













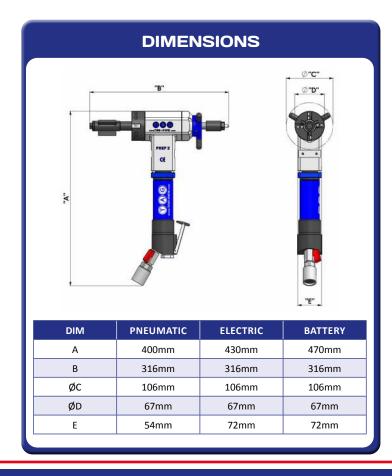
### **PREP 2 TECHNICAL FEATURES**

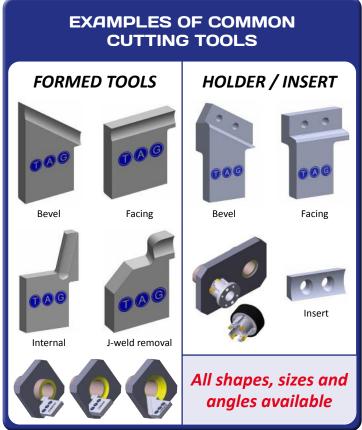
DESCRIPTION	MEASUREMENT	PNEUMATIC	ELECTRIC	BATTERY
Part Number	n/a	TP2P / TP2PALD / TP2PALL	TP2E110 / TP2E220	TP2B110 / TP2B220
Locking tube range	mm (i/d)	23 - 42 optional from 12.5	23 - 42 optional from 12.5	23 - 42 optional from 12.5
Locking tube range	inch (i/d)	0.9 - 1.5" optional from 0.5"	0.9 - 1.5" optional from 0.5"	0.9 - 1.5" 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 / I/min.	28 / 800	n/a	n/a
Air working pressure	psi / bar	90 / 6.5	n/a	n/a
Air hose connection	inches	1/2"	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 / Ibs	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

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- 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.









# PREP 3 PIPE BEVELLING 1" to 3"





Portable Pipe Bevelling Machine

# RANGE: 28 - 76mm i/d / 1 - 3" i/d (optional from 20mm i/d / 0.8" i/d)

Functions: External bevelling / internal bevelling / elbow and

fittings bevelling / 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 bevelling 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.





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### **POWER OPTIONS:**









# **ACCESSORIES AND OPTIONS:**















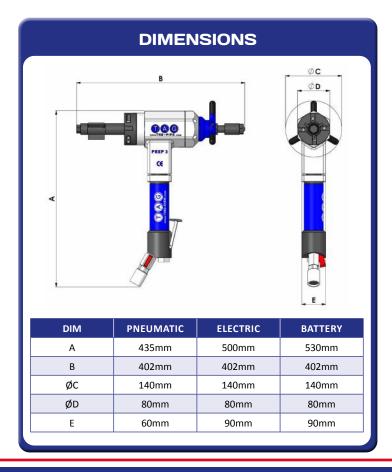
### **PREP 3 TECHNICAL FEATURES**

DESCRIPTION	MEASUREMENT	PNEUMATIC	ELECTRIC	BATTERY
Part Number	n/a	TP3P / TP3PALD	TP3E110 / TP3E220	TP3B110 / TP3B220
Locking tube range	mm (i/d)	28 - 76 optional from 20	28 - 76 optional from 20	28 - 76 optional from 20
Locking tube range	inch (i/d)	1 - 3" optional from 0.8"	1 - 3" optional from 0.8"	1 - 3" 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 / I/min.	36 / 1020	n/a	n/a
Air working pressure	psi / bar	90 / 6.5	n/a	n/a
Air hose connection	inches	1/2"	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

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- 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.









# PREP 4 PIPE BEVELLING 1" to 4"







Portable Pipe Bevelling Machine

### RANGE: 23 - 112mm i/d / 1 - 4" i/d

Functions: External bevelling / internal bevelling / elbow and

fittings bevelling / 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 bevelling 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.



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.

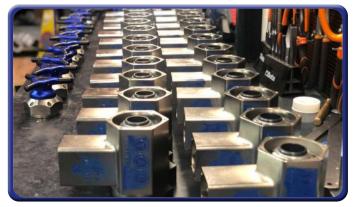
The machine body is CNC machined out of solid aluminum and nickel plated. This ensures strength and leads to precise tolerances on all components, resulting in a stable heavy duty machine that does not move under load, we also ensure all components are treated utilising the latest technologies to ensure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





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### **POWER OPTIONS:**









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# **ACCESSORIES AND OPTIONS:**











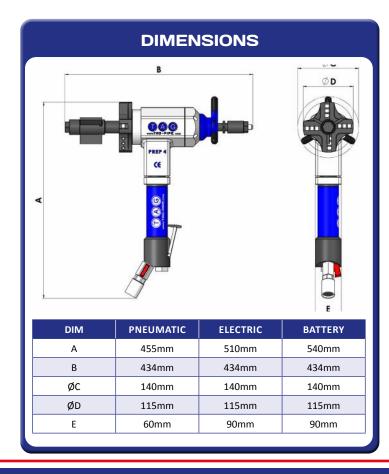
### **PREP 4 TECHNICAL FEATURES**

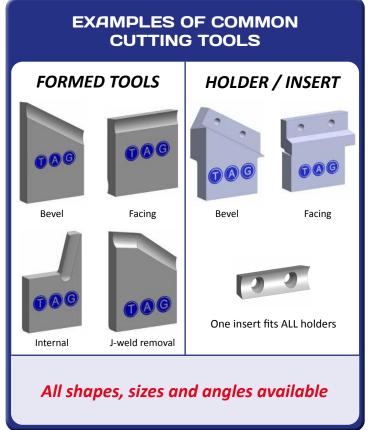
DESCRIPTION	MEASUREMENT	PNEUMATIC	ELECTRIC	BATTERY
Part Number	n/a	TP4P / TP4PALD	TP4E110 / TP4E220	TP4B110 / TP4B220
Locking tube range	mm (i/d)	23 - 112	23 - 112	23 - 112
Locking tube range	inch (i/d)	1 - 4"	1 - 4"	1 - 4"
Idle speed	rpm	5 - 100	5 - 82	23 / 37 / 50
Torque	N m	176	152	140
Length of axial 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	1/2"	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 / Ibs	28.5 / 63	29.5 / 65	30.5 / 67

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- 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.









# PREP 8 PIPE BEVELLING 2" to 8"











### RANGE: 50 - 211mm i/d / 2 - 8" i/d

Functions: External bevelling / internal bevelling / elbow

and fittings bevelling / facing / counter-boring /

weld removal / J-prepping / compound bevels

Materials: Any kind of steel and exotic alloy

Pneumatic or electric (110v or 220v) Power:

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 bevelling 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 bevelling 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:**









# **ACCESSORIES AND OPTIONS:**











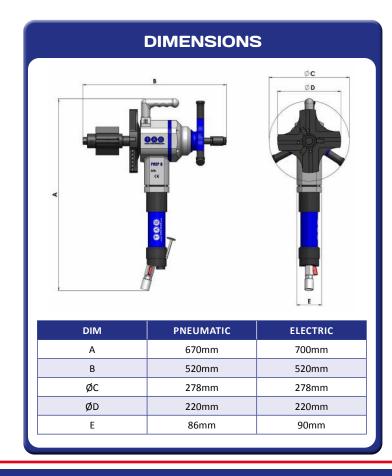
### **PREP 8 TECHNICAL FEATURES**

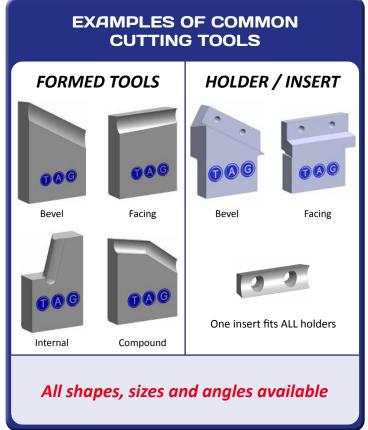
DESCRIPTION	MEASUREMENT	PNEUMATIC	ELECTRIC
Part Number	n/a	TP8P / TP8PALD	TP8E110 / TP8E220
Locking tube range	mm (i/d)	50 - 211	50 - 211
Locking tube range	inch (i/d)	2 - 8"	2 - 8"
Idle speed	rpm	5 - 52	5 - 34
Torque	N m	265	280
Length of axial feed	mm	40	40
Max operating temperature	°C	55	55
Max acoustic radiation	dB	75	75
Pneumatic motor power	hp	1.85	n/a
Air consumption	cfm / I/min.	50 / 1400	n/a
Air working pressure	psi / bar	90 / 6.5	n/a
Air hose connection	inches	3/4"	n/a
Electric motor power	watt	n/a	1900
Voltage	volt	n/a	110 or 220
Frequency	Hz	n/a	50 / 60
Unit weight	kg / Ibs	25 / 55	26 / 57
Packing dimensions	mm	830 x 780 x 250	830 x 610 x 250
Packing weight	kg / Ibs	55 / 121	54 / 119

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- 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.









# PREP 16 PIPE BEVELLING 3" to 16"













Portable Pipe Bevelling Machine

### RANGE: 72 - 400mm i/d / 2.8 - 15.74" i/d

Functions: External bevelling

Internal bevelling

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 midlarge diameter bevelling 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:**

# PATENT PENDING PART NO. TP16SE110 / TP16SE220







### **FEATURES:**

### **SELF-CENTERING**



Self-centering 70mm (2.75") one piece locking shaft with built in jaws, eliminates the issue of broken or loosening retaining springs and o-rings.

### **UNRIVALLED POWER AND STABILITY**



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

### **SERVO ELECTRIC**



SERVO ELECTRIC control box makes the strongest portable pipe bevelling machine available on the market.

### 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.

### RATCHET FEED AND LOCKING



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

### SIX POINT LOCKING



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

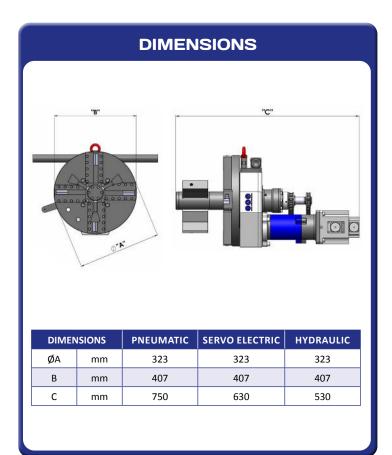
### **PREP 16 TECHNICAL FEATURES**

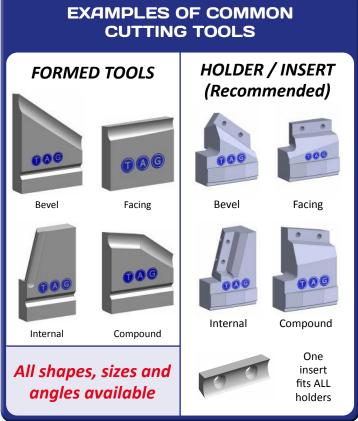
DESCRIPTION	MEASUREMENT	PNEUMATIC	SERVO ELECTRIC	HYDRAULIC
Part Number	n/a	TP16P	TP16SE110 / TP16SE220	TP16H
Locking tube range	mm / inch (i/d)	72 - 400 / 2.8 - 15.74"	72 - 400 / 2.8 - 15.74"	72 - 400 / 2.8 - 15.74"
Working range	mm / inch (o/d)	72 - 406 / 3 - 16"	72 - 406 / 3 - 16"	72 - 406 / 3 - 16"
Idle speed	rpm	5 - 18	1 - 18	1 - 26
Length of axial feed	mm / inch	50 / 2	50 / 2	50 / 2
Max operating temperature	°C	55	60	60
Max acoustic radiation	dB	75	45	55
Pneumatic Motor Power	hp	3.5	n/a	5.4
Air Consuming Flux	cfm / I/min.	90 / 2500	n/a	n/a
Air working pressure	psi / bar	90 / 6.5	n/a	n/a
Air Hose Connection	inches	3/4"	n/a	n/a
Servo Electric Motor Power	kw	n/a	1.5	n/a
Voltage	volt	n/a	110 or 220	refer to hydraulic power pack
Frequency	Hz	n/a	50 / 60	refer to hydraulic power pack
Remote Control	Yes / No	No	Yes	Yes
Forward / Reverse	Yes / No	No	Yes	Yes
Unit weight	kg / Ibs	43 / 95	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
Packing weight	kg / Ibs	128 / 282	140 / 305	125 / 275

Our group policy is one of continuous improvement. Products and data tables are subject to change or 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.









# PREP 24 PIPE BEVELLING 7" to 24"













Portable Pipe Bevelling Machine

### RANGE: 175 - 600mm i/d / 6.9 - 23.6" i/d

Functions: External bevelling

Internal bevelling

Facing

Counter-boring Weld removal J-prepping

Compound bevels

Materials: Any kind of steel and exotic alloy

Power: Servo electric (Recommended), pneumatic or hydraulic



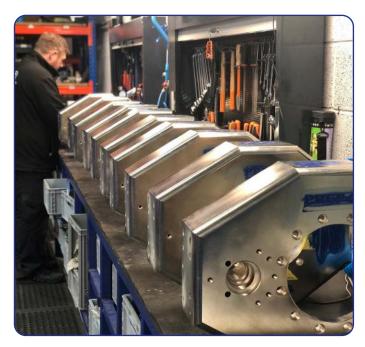
### **FEATURES AND ADVANTAGES**

The PREP 24 is the largest in TAG's new range of a heavy duty mid-large diameter bevelling 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:**









# **FEATURES:**

### **SELF-CENTERING**



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

### **UNRIVALLED POWER AND STABILITY**



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

### **SERVO ELECTRIC**



SERVO ELECTRIC control box makes the strongest portable pipe bevelling machine available on the market.

### **EXTENSION KITS**



Optional extension kits up to 42" available on request.

### RATCHET FEED AND LOCKING



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

### SIX POINT LOCKING



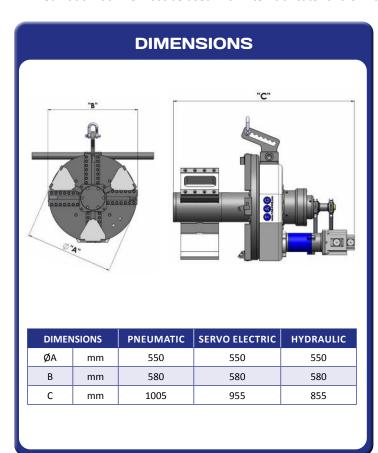
Innovative wide locking jaws offer 6 point locking from 3 jaws giving superior clamping force for chatter free end preps.

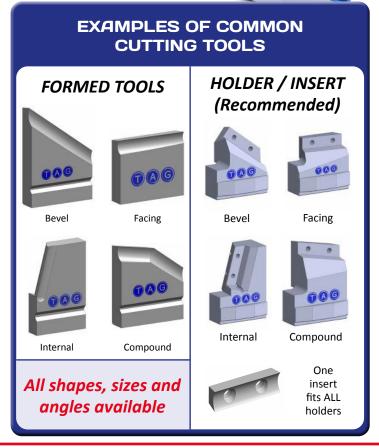
### **PREP 24 TECHNICAL FEATURES**

DESCRIPTION	MEASUREMENT	PNEUMATIC	SERVO ELECTRIC	HYDRAULIC	
Part Number	n/a	TP24P	TP24SE110 / TP24SE220	TP24H	
Locking tube range	mm / inch (i/d)	175 - 600mm / 6.9 - 23.6" (optional up to 42")	175 - 600mm / 6.9 - 23.6" (optional up to 42")	175 - 600mm / 6.9 - 23.6" (optional up to 42")	
Working range	mm / inch (o/d)	180 - 604mm / 7 - 24" (optional up to 42")	180 - 604mm / 7 - 24" (optional up to 42")	180 - 604mm / 7 - 24" (optional up to 42")	
Idle speed	rpm	2 - 9	2 - 9	2 - 14	
Length of axial feed	mm / inch	60 / 2.4	60 / 2.4	60 / 2.4	
Max operating temperature	°C	55	60	60	
Max acoustic radiation	dB	75	45	55	
Pneumatic Motor Power	hp	3.5	n/a	5.4	
Air Consuming Flux	cfm / I/min.	90 / 2500	n/a	n/a	
Air working pressure	psi / bar	90 / 6.5	n/a	n/a	
Air Hose Connection	inches	3/11	n/a	n/a	
Servo Electric Motor Power	kw	n/a	1.5	n/a	
Voltage	volt	n/a	110 or 220	refer to hydraulic power pack	
Frequency	Hz	n/a	50 / 60	refer to hydraulic power pack	
Remote Control	Yes / No	No	Yes	Yes	
Forward / Reverse	Yes / No	No	Yes	Yes	
Unit weight	kg / lbs	214 / 471	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	
Packing weight	kg / lbs	412 / 908	424 / 935	408 / 900	

Our group policy is one of continuous improvement. Products and data tables are subject to change or 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.





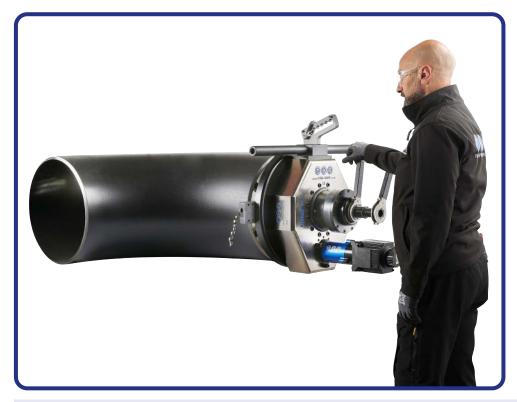




# PREP 16 AND PREP 24 ELBOW / FITTINGS

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.

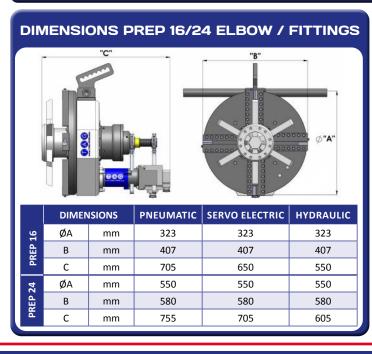


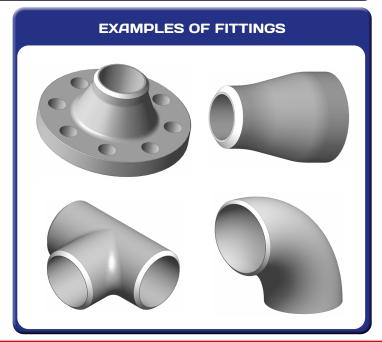




### PREP 16 AND PREP 24 ELBOW / FITTINGS TECHNICAL FEATURES

DESCRIPTION	MEASUREMENT	PNEUMATIC	SERVO ELECTRIC	HYDRAULIC
Part Number	n/a	TP16EP	TP16ESE110 / TP16ESE220	TP16EH
Locking tube range	mm / inch (i/d)	mm / inch (i/d) 130 - 410mm / 5.11 - 16.14"		130 - 410mm / 5.11 - 16.14"
Part Number	Part Number n/a		TP24ESE110 / TP24ESE220	TP24EH
Locking tube range	mm / inch (i/d)	210 - 600mm / 8.26 - 23.62"	210 - 600mm / 8.26 - 23.62"	210 - 600mm / 8.26 - 23.62"









O/D Pipe Bevelling Machine

### RANGE: 8 to 108 mm (0.5 - 4")

• 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 ELECTRIC
TAG Panel Prep 2	8 - 53 mm / 0.3 - 2"	TPP2P	TPP2E
TAG Panel Prep 2.5	20 - 63 mm / 0.8 - 2.5"	TPP2.5P	TPP2.5E
TAG Panel Prep 3	25 - 73 mm / 1 - 3"	TPP3P	TPP3E
TAG Panel Prep 3.5	30 - 83 mm / 1.2 - 3.5"	TPP3.5P	TPP3.5E
TAG Panel Prep 4	50 - 108 mm / 2 - 4"	TPP4P	TPP4E











Electric 220 or 110v

### **Clamping Jaws**

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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	8	10	12	14	16	18	20	22	25.4	28	32	38	42	45	48	51	53
TAG Panel Prep 2.5	O/D mm	20	22	25.4	28	32	38	42	45	48	51	56	57	60	63	n/a	n/a	n/a
TAG Panel Prep 3	O/D mm	25.4	28	31.8	38	42	45	48	51	57	60	63	68	70	73	n/a	n/a	n/a
TAG Panel Prep 3.5	O/D mm	31.8	38	42	45	48	51	57	60	63	68	70	73	76	83	n/a	n/a	n/a
TAG Panel Prep 4	O/D mm	50	54	57	60	63	68	70	73	76	83	89	95	108	n/a	n/a	n/a	n/a

One clamping jaw is only for one specific pipe size - specials can be made upon request





# SPLIT FRAME CLAMSHELL COLD CUTTING AND BEVELLING MACHINES 1" to 48"













# SPLIT FRAME CLAMSHELL COLD CUTTING AND BEVELLING MACHINES 1" to 48"

Portable O/D Locking Cold Pipe Cutting and Bevelling Machines

RANGE: 1" to 48" o/d (25 - 1,220mm)

Larger sizes and customised machines available upon request

Functions: External bevelling / internal bevelling /

counter-boring / compound bevels /

J-prep bevelling

Materials: Any kind of steel and exotic alloy

**Power:** Pneumatic, electric (110v or 220v), hydraulic or

servo electric motor



		TSFC6	TSFC8	TSFC12	TSFC16	TSFC18	TSFC20	TSFC24
Locking Range	inch o/d	1" - 6"	2" - 8"	6" - 12"	10" - 16"	12" - 18"	14" - 20"	18" - 24"
Locking Range	mm o/d	33.7 - 184	60.3 - 235	168.3 - 350	273 - 425	323.8 - 477	355.6 - 528	457.2 - 640



		TSFC30	TSFC36	TSFC42	TSFC48
Locking Range	inch o/d	24" - 30"	30" - 36"	36" - 42"	42" - 48"
Locking Range	mm o/d	609.6 - 800	762 - 956	914.4 - 1108	1066.8 - 1280



### 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**

- 11 models cover a range from 1" (25.4 mm) to 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
- Clamping feet are quickly and easily adjusted via a flush hex head through the outer ring. 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.

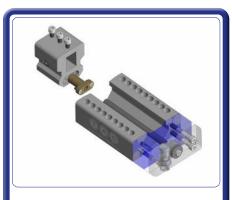


Using the latest high grade aluminium along with treated steel crown the TAG split frames are designed for heavy duty industrial on-site use.

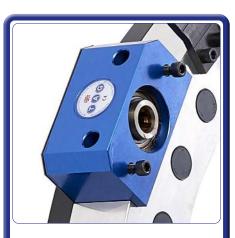




Custom made metal box with foam insert to insure protection of the machine.



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.



### **MODULAR BLOCK JAWS**

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



### **TELESCOPIC JAWS**

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



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

### **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 available in straight back (in-line), right angle and front drive reversible options.

### **TSFC6 - TSFC24**









**TSFC30 - TSFC120** 







### TAG'S ELECTRIC NC SERVO DRIVE MOTOR

TAG's single phase electric NC (Numerically Controlled) servo motor offers a new level of performance and capacity for electric drive power of TAG's split frame range.

A 1.5 kilowatt servo motor, which, like a 3 phase motor, or hydraulic drive, does not slow and strain under load.

The single servo motor is controlled by a wired remote.

The double servo motor, is controlled by a wireless remote or Delta touch screen NC control unit, enabling accurate, infinite RPM control.

If you carry out the same job regularly with the machine, once you find the optimum performance setting and values, these can be set into the NC control unit and recalled in the future.

Available in single servo for up to 30 mm pipe wall thickner or double servo for 30 mm and above.







filed for

**Double servo control** 



### **TOOL BOXES AND ACCESSORIES**

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



### Standard tool box

Low profile, light weight, for tight access situations. Utilising standard TAG HSS Co blade tooling.

For cutting and bevelling all materials up to 120mm / 4.7" wall thickness.



### Spring loaded o/d tracking

A bearing wheel housed in the tool slide, is compressed to the o/d of the pipe by 2 x 150lb springs, ensuring an even, accurate weld prep and root face, by tracking the o/d contour of the pipe especially advantageous for large diameters and out of round pipe.

For cutting and bevelling all materials of up to 20mm / 0.8" wall thickness.



### Counter bore tool slide

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 150mm / 6" feed.

### **TOOLING**

TAG's HSS Co range of tooling includes sever/cut, bevel, double-bevel, compound bevel, J-prepping and counter bore tools. TAG tooling is available in a range of different lengths and sizes, to match tooling with application precisely.

TAG holder and insert tooling enables sever/cut, bevel, compound bevel and counter bore tools many holders utilise the same interchangeable inserts reducing the quantity of consumable parts.

TAG also offers custom designed tooling, special tool steel for applications not covered by its standard range of tooling.

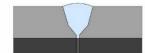
### **FIXED ANGLE BEVEL**





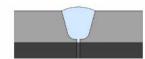
### **COMPOUND BEVEL**





### J PREP



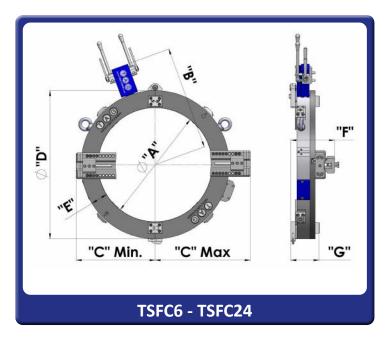


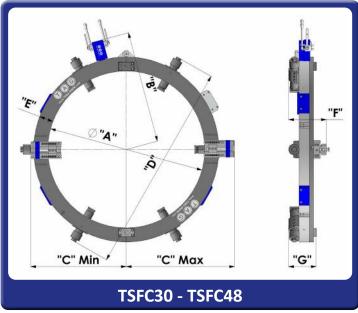
### All shapes, sizes and angles available

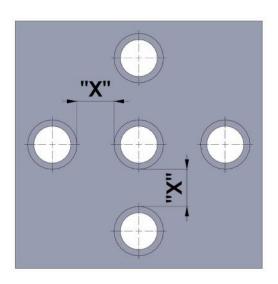


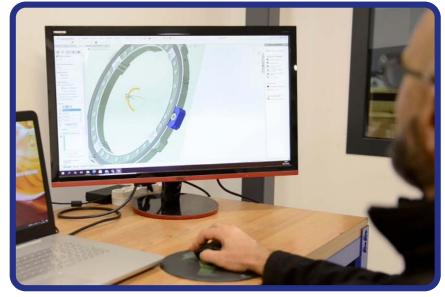
#### **RING DIMENSIONS**

		TSFC6	TSFC8	TSFC12	TSFC16	TSFC18	TSFC20	TSFC24	TSFC30	TSFC36	TSFC42	TSFC48
O/D RANGE	inch	1 - 6"	2 - 8"	6 - 12"	10 - 16"	12 - 18"	14 - 20"	18 - 24"	24"-30"	30"-36"	36"-42"	42"-48"
А	mm	184.00	235.00	350.00	425.00	477.00	528.00	640.00	800.00	956.00	1108.00	1280.00
В	mm	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	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	197.00	222.50	356.00	393.50	419.50	445.00	501.00	615.00	693.00	769.00	875.00
D	mm	340.00	391.00	506.00	581.00	633.00	684.00	796.00	1180.00	1336.00	1488.00	1800.00
Е	mm	78.00	78.00	78.00	78.00	78.00	78.00	78.00	100.00	100.00	100.00	120.00
F	mm	195.50	195.50	195.50	195.50	195.50	195.50	195.50	267.50	267.50	267.50	277.50
G	mm	124.00	124.00	124.00	124.00	124.00	124.00	124.00	196.00	196.00	196.00	206.00
Х	mm	130.00	130.00	210.00	210.00	210.00	210.00	210.00	255.00	255.00	255.00	265.00
		Lo	w clearance	options or c	ustom machi	nes available	on request	in case of acc	ess restrictio	ns		
F Ring	only	195.50	195.50	195.50	195.50	195.50	195.50	195.50	267.50	267.50	267.50	267.50
<b>F</b> Pneuma	tic Motor	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	525.50	525.50	525.50	525.50	525.50	525.50	525.50	642.50	642.50	642.50	642.50
F Hydraul	lic Motor	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)												









#### **SPLIT FRAME TECHNICAL FEATURES**

		TSFC6	TSCF8	TSCF12	TSCF16	TSCF18	TSCF20	TSCF24	TSFC30	TSFC36	TSFC42	TSFC48
Locking Range	inch o/d	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	33.7 - 184	60.3 - 235	168.3 - 350	273 - 425	323.8 - 477	355.6 - 528	457.2 - 640	609.6 - 800	762 - 956	914.4 - 1108	1066.8 - 1280
Ring Only Weight	kg	23	32	46	53	58	62	76	183	204	242	323
Toolbox Stroke	mm	60	60	90	90	90	90	90	90	90	90	90
Motor Mount Positions	qty	1	1	1	2	2	2	2	2	2	4	4
Striker Mount Positions	qty	1	1	2	3	3	3	3	3	4	4	5
Bearing size	S/L	S	S	S	S	S	S	S	L	L	L	L
Spline Drive Size	mm	16	16	16	16	16	16	16	25	25	25	25
Pneumatic Idle Speed	rpm	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 - 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	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	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	3.5	3.5	3.5	3.5
Double Pneumatic Motor(s) Power	hp	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	n/a	n/a	n/a	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	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	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Hydraulic Motor Power	hp	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
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
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
Air hose Connection	inch	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
Air Consuming Flux (Double x2)	cfm/ LPM				50 / 1400				90 / 2500			
Feed Rate per Revolution		0.2 / 0.008						0.2 / 0.008				
Locking System					MODULAR					TELES	COPIC	

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 TSFC24, all larger sizes are supplied in a custom built wooden 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	MEASUREMENT	TSFC6	TSCF8	TSCF12	TSCF16	TSCF18	TSCF20	TSCF24	TSFC30	TSFC36	TSFC42	TSFC48
Pneumatic	(kg/lbs)	(167/368)	(177/390)	(197/434)	(238/525)	(241/531)	(249/549)	(262/578)	(300/661)	(335/738)	(375/826)	(445/981)
Double Pneumatic	(kg/lbs)	n/a	n/a	n/a	(258/569)	(261/575)	(269/593)	(282/622)	(320/705)	(355/782)	(395/870)	(465/1,002)
Single Servo Electric	(kg/lbs)	(182/401)	(182/401)	(212/467)	(253/558)	(256/564)	(264/582)	(277/611)	(315/694)	(345/760)	(385/848)	(455/1,003)
Double Servo Electric	(kg/lbs)	n/a	n/a	n/a	(283/624)	(286/631)	(289/637)	(307/677)	(345/760)	(380/837)	(420/926)	(490/1,080)
Hydraulic	(kg/lbs)	(162/357)	(172/379)	(192/423)	(233/514)	(236/520)	(244/538)	(257/567)	(290/639)	(320/705)	(365/805)	(435/960)
Packing Dimensions	ons L x W x H mm 1,200 x 900 x 470			70	1,450 x 1,000 x 510			1,460 x 1,	460 x 500	1,600 x 1,600 x 500	1,960 x 1,960 x 500	





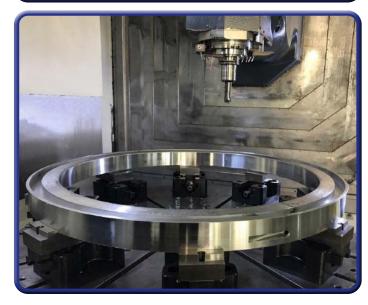


















## TAG EXAMPLES OF JOBS DONE WITH TAG SPLIT FRAME CLAMSHELLS

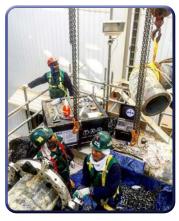


































PIPE EQUIPMENT SPECIALISTS

# SPLIT FRAME CLAMSHELL COLD CUTTING AND BEVELLING MACHINES 48" to 120"





#### 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.

#### **Features and Advantages**

• 5 models cover a range from 48" (1,220 mm) to 120" (3,050 mm) o/d

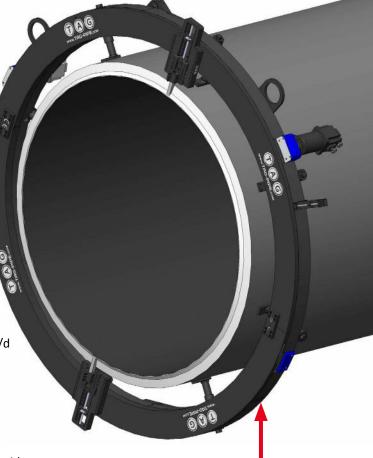
Pneumatic, hydraulic and NC servo electric drive options provide increased versatility

 Adjustable heavy duty bearings, combined with easy access maintenance points allow inspection and adjustment

 Clamping feet are quickly and easily adjusted via a flush hex head through the outer ring. 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



Heavy duty steel body

MODEL	RANGE O/D (INCH)	RANGE O/D (MM)	CLAMPING JAWS
TSFC60	48 - 60"	1,220 - 1,524mm	8
TSFC75	60 - 75"	1,524 - 1,910mm	8
TSFC90	75 - 90"	1,910 - 2,290mm	12
TSFC105	90 - 105"	2,290 - 2680mm	12
TSFC120	105 - 120"	2,680 - 3,050mm	12

Larger sizes available upon request











### PIPE EQUIPMENT SPECIALISTS

## TAG E-Z FAB PIPE CUTTING AND BEVELLING MACHINE 1" to 24"













## E-Z FAB PIPE COLD CUTTING AND **BEVELLING MACHINE**

O/D Locking Cold Pipe Cutting and Bevelling Machines

#### RANGE: 1 to 24" o/d (30 - 620mm)



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. This design provides strength, rigidity and speed as well as high efficiency and precision to the pipe cutting process.



filed for international



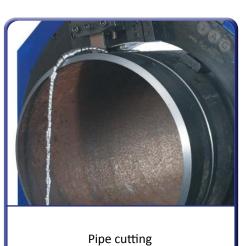
















## E-Z FAB PIPE COLD CUTTING AND BEVELLING MACHINE

#### **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.

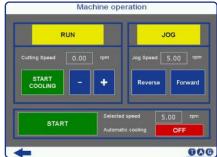
The numerically controlled (NC) servo motor offers unrivalled power and cut speeds, from a touch screen Delta control system, conveniently mounted on an adjustable stalk-arm for operating ease.

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.







#### Models available

MODEL	RANGE O/D (INCH)	RANGE O/D (MM)	WALL THICKNESS (MM)
EZFAB6	1 - 6"	30 - 170mm	6 - 40mm
EZFAB8	2 - 8"	70 - 220mm	6 - 40mm
EZFAB12	6 - 12"	170 - 320mm	6 - 40mm
EZFAB16	10 - 16"	270 - 420mm	6 - 40mm
EZFAB20	14 - 20"	370 - 520mm	6 - 40mm
EZFAB24	18 - 24"	470 - 620mm	6 - 40mm

<sup>\*</sup> Wall thickness' less than or greater than the above can be achieved with accessories - please contact TAG.

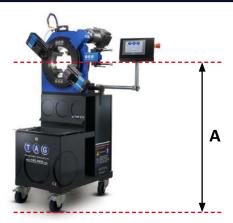
#### **Example cutting and bevelling times**

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

#### Centreline of cutting point

MODEL	(A) MM	(A) INCH
EZFAB6	1,187.50	46.75
EZFAB8	1,196.00	47.08
EZFAB12	1,132.50	44.58
EZFAB16	1,177.50	46.35
EZFAB20	1,137.50	44.78
EZFAB24	1,462.50	57.57

<sup>\*</sup> Minus 155mm / 6.10" without castor wheels







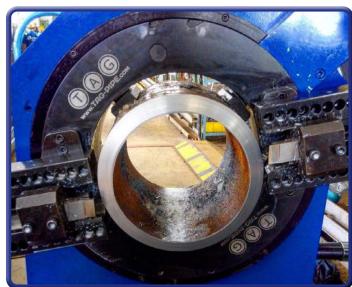


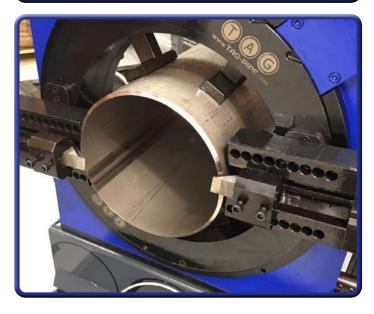
## A G E-Z FAB UK PRODUCTION / APPLICATIONS





















#### **RANGE: 1 - 12" (optional up to 24")**

• Function: Cutting up to 45° inclination

• Material: Any kind of steel

Power: Pneumatic or electric

The light weight construction and ease of set up and operation makes it ideal for site work applications. It is capable of cutting most materials including stainless steel.

#### PIPE LOCK CLAMP



Pipe lock clamp available in three sizes:

1" - 4" / 4" - 12" / 8" - 24"

Stop feeding stroke included in the standard equipment.

#### **SAW BLADE**



Saw blades are sold per pipe size and available in four sizes: 12" / 16" / 20" / 24"

Also available in heavy duty for stainless steel.

#### BLADE GUIDE



Blade guides are sold per pipe size and available in two sizes: 12" / 24"

#### **Technical specification**



Electric

DESCRIPTION	MEASUREMENT	PNEUMATIC	ELECTRIC
Description	n/a	E-Z Pipe Saw Pneumatic	E-Z Pipe Saw Electric
Part Number	n/a	EZPSP	EZPSE100 / EZPSE220
Locking tube range	mm	25 - 323 o/d	25 - 323 o/d
Recommended working range	inch o/d	1 - 12"	1 - 12"
Torque	N m	186	265
Max operating temperature	°C	55	55
Max noise level	dB	75	75
Pneumatic motor power	hp	1.33	n/a
Air consumption	cfm	55 - 60	n/a
Air working pressure	psi	90	n/a
Air hose connection	inch	3/4"	n/a
Electric motor power	watt	n/a	1400 (adj)
Voltage	volt	n/a	110 / 220
Frequency	Hz	n/a	50
Idle Speed	strokes/min	300	450
Unit weight	kg / lbs	11 / 24	9 / 20
Packing dimensions	L x W x H mm	640 x 280 x 130	640 x 280 x 130
Packing weight	kg / lbs	16 / 35	14 / 31



## PIPE EQUIPMENT SPECIALISTS

## PLATE BEVELLING MACHINES











#### RANGE: thickness 1.5mm upwards / bevel angle from 22.5° to 60° Max bevel width: 16mm / max radius: 5mm

**Materials:** Any kind of steel, aluminium, brass or plastics

Power: 110 or 220v or pneumatic

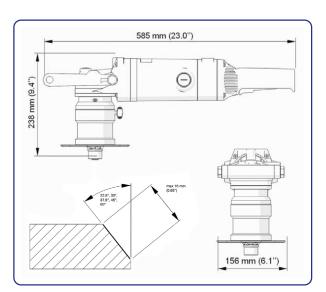
For the deburring of outer and inner outlines, bevelling, milling of radii and bore holes as from 40mm Ø.

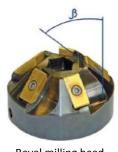
Depending on the chosen milling head the machine enables bevelling materials with minimum thickness of 1.5 mm (0.06") at the angles of 22.5°, 30°, 37.5°, 45°, 55° or 60° and with maximum bevel width of 16 mm (0.63"). Each milling head uses 5 indexable cutting inserts.

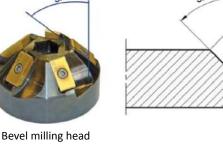
One milling head for bevelling radius enables bevelling edges with radius of 2, 3, 4 or 5mm with use of 4-sided indexable R2, R3, R4 or R5 cutting inserts.

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

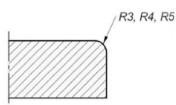
- Tool-less adjustment of bevel height
- Handy and powerful with overload protection
- Speed control for use on variety of materials
- For construction steels, stainless steels, aluminium and other materials











Radius milling head

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

**Technical specification** 





## RANGE: thickness 6 to 60mm / bevel angle from 0° to 60° Max bevel width 21mm

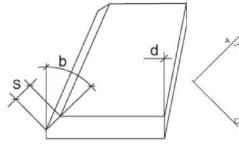
• Materials: Any kind of steel and aluminium

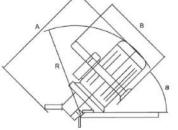
Power: 110 or 220v

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.







A	B	R	S	D min	a	b	g	d = 0°	Weight
mm (")	mm (")	mm (")	mm (")	mm (")	(°)	(°)	(°)		kg (lbs)
420 16 %	330 13	305 12	0-20 0-¾	150 6	45-75	15-60	75-30	Yes	20.0 43



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



Continuous angle adjustment from 0 to 60 degrees.



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



Plate facing-off



Plate bevelling

#### **Technical specification**

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					





#### RANGE: thickness 6 to 60mm / bevel angle from 0° to 60° / max bevel width 21mm

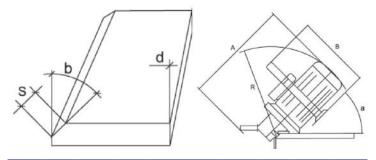
• Materials: Any kind of stainless steel. Will prep all other steels also.

• Power: Electric 110 or 220v

The PMM200SS is designed to work on stainless steel with its new powerful slow speed motor. The PMM200SS also has a guide plate with guide rolls made of stainless steel. The PMM200SS is an easy to use, portable, heavy duty machine designed for bevelling steel/stainless steel plates prior to welding.

This bevelling machine features a new single milling head equipped with 10 square, indexable inserts makes machining process far more efficient and much less operator fatiguing smooth operation and exceptional efficiency. Capable of bevelling around 1.5 meters/minute (depending on the amount of the metal being removed).

The PMM200SS 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. Vibration insulation protects both the operator and electronics against vibration.



A mm (")	B mm (")	R mm (")	S mm (")	D min mm (")	a (°)	b (°)	g (°)	d = 0°	Weight kg (lbs)	
420	330	305	0-20	150	45-75	15 60	75-30	Yes	20.0	1
16 %	13	12	0-3/4	6		13-00			43	



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



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



Plate facing-off



Continuous angle adjustment from 0 to 60 degrees.



Plate bevelling

#### **Technical specification**

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

### **NOTES**



### **NOTES**













#### **Customer service**

We work extremely hard supporting and training our team of employees and network of partners and distributors to ensure that from The S.F.E. Group you always receive the:

- Fastest response times
- Quickest delivery times
- Most knowledgeable and accurate advice
- · Committed after sales support

#### Level of stock

S.F.E. Group carry an unrivalled stock level, meaning no matter how large your order we expect to offer you the fastest delivery time available worldwide.

#### **Price**

You will find our pricing to be very competitive. Give us an opportunity to quote your next project and we are confident you will be pleased! For your convenience we offer our products in the three major currencies: US Dollar, Euro and GB Pound.

#### Research and development

Technology is always improving. At S.F.E. Group we firmly intend to move with the times and to be the innovators in our industry with a dedicated team of designers and technicians devoted to improving our existing products as well as innovating the next generation of pipework machinery and tools. All user feedback is passed onto the R&D department to ensure our machines are developed to meet all end user needs. We often hold meetings with customers to ensure the package provided meets all their requirements including custom made machines.

#### Production, assembly and quality control

S.F.E. Group is proud to offer the highest quality of components manufactured wholly in Europe/USA. All our machines are assembled in our facilities and undergo vigorous testing and quality control, which is backed by our products being CE Certified, having Certificates of Conformity, Certificates of Origin and our company being ISO9001 accredited.



#### Demonstrations, training and exhibitions

We love to show off our products unrivalled performance and are always happy to carry out demonstrations either in our showroom facilities or at your site. In addition we understand the importance of the correct operation of our machinery and tools, so also offer training packages in our training facilities or at your site ensuring safe, efficient and accurate operation. We also participate in all the relevant world wide exhibitions. We also have extremely detailed user manuals and instructional videos.

#### Rental division

The S.F.E. Group operates a full, worldwide hire and rental service in cooperation with and supported by its selected and specialized rental partners. S.F.E. Group continuously keeps expanding its rental activities, rental fleet and network and prides itself keeping its renting equipment up to date in order to provide the best possible quality, performance and reliability. S.F.E. Group invites you to share your rental enquiry and will tailor the matching solution to your needs.

Please contact your local S.F.E. Group branch for all enquiries. Details of which can be found on the back cover of this publication.



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