



PIPE EQUIPMENT SPECIALISTS COMPLETE MACHINES BROCHURE

PIPE BEVELLING MACHINES



PIPE COLD CUTTING AND BEVELLING MACHINES



PLATE BEVELLERS





SPECIALIZED FABRICATION EQUIPMENT GROUP

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

With offices and warehousing on 4 continents, 100 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 our customers. We look forward to welcoming you into our global network as a S.F.E. Group partner, distributor or end user customer and remain at your disposal at any time.



 USA Head Office - Houston



 International Head Office - UK



PIPE EQUIPMENT SPECIALISTS

TAG Pipe Equipment Specialists Ltd. based in the United Kingdom are innovators and manufactures of a comprehensive range of pipe cold cutting and bevelling machines. TAG has over 35 employees and have established multiple locations across 4 continents.

PIPE BEVELLING MACHINES



TAG manufacture 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.

PIPE CUTTING MACHINES



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

www.TAG-PIPE.com



B&B Pipe and Industrial Tools, LLC is based in Houston Texas and are recognized as an aggressive and growing brand in the pipe and heavy industrial construction markets. B&B has approximately 40 employees and sells its products internationally on every continent.

PIPE JACKS AND STANDS



Over the past several years, B&B has led the market in the pipe jack and stand product category offering more models and innovative variations than any other manufacturer. With thousands of products sold every year, B&B is one of the recognized leaders in this category.

MATERIAL HANDLING EQUIPMENT



B&B's line of material handling carts and buggies compliments the jacks and stands product category from a distribution and supply chain perspective. This line also allows further expansion into new product markets.

www.BBPIPETOOLS.com



Mathey Dearman based in Tulsa, Oklahoma is an 80-year-old company with 45 employees. Mathey Dearman is known as the pioneer of Mathey saddle type pipe cutters and bevellers, as well as Dearman type alignment and reforming clamps.

PIPE FLAME CUTTING AND BEVELLING



Mathey manufactures multiple flame and plasma pipe cutters and bevellers and are recognized as the leader in this product category. These machines are used across multiple fabrication projects, most commonly found in the energy construction markets.

PIPE ALIGNMENT CLAMPS



With the invention of the Dearman clamp taking lead, additional pipe alignment and reforming clamps are now offered exhibiting the most complete line in the industry.

PIPE RIGGING EQUIPMENT



A new line of pipe rigging products will be offered under the Mathey brand in 2020. Pipe slings and cradles, pipe launchers and rigging rollers add focus on a complimentary pipeline product category to Mathey saddle machines and cage clamps.

www.MATHEY.com



www.TAG-PIPE.com



We are also excited to launch a new brand called **Pipe Purging Masters (PPM)**. This brand will offer a comprehensive and innovative range of pipe purging equipment.

PIPE PURGING SYSTEMS



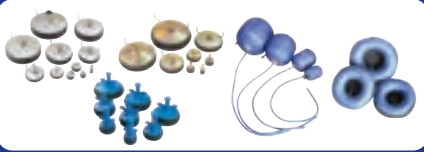
PPM's range of purge systems greatly reduce the purging time and give significant gas savings while producing a top quality weld.

PURGE OXYGEN MONITORS



PPM also offer a full range of weld purge monitoring systems to accurately measure the level of oxygen within the weld chamber for high quality purity welding.

PIPE STOPPERS



In addition to our purging systems and purge monitors PPM also offer an extensive range of pipe stoppers from inflatable stoppers available in all shapes, sizes and materials, as well as expanding stoppers available in nylon, steel and aluminium.

www.PURGEMASTERS.com

FIT-UP PRO

By Mathey Dearman

We are also excited to launch a new brand called **FIT-UP PRO** By Mathey Dearman. This brand will offer a comprehensive and innovative range of layout and fit up tools.

LAYOUT TOOLS



Fit-Up Pro offers several tools specific to pipe layout. A new pocket level and fitters torpedo level are made from aircraft aluminum balancing light weight and durability. A newly designed pipe centering tool adds magnets for hands free use and comes with a right angle square and handy ruler markings, and our line of radius markers is great for laying out a radius or circles up to 100 inches. Check out our complete line of layout tools from Fit-Up Pro.

FIT-UP PRO



Our spider clamps are great for flange fit up and we also offer other types of alignment pipe clamps that save time and increase productivity. Two hole pins, flange alignment bolts and stepped wedges are also time savers that compliment this line, along with various squares and protractors. We even offer two types of flange spreaders, manual and hydraulic that assist in safe maintenance and preparation for re-fit of flanges. Contact us for information on our new brand, Fit-Up Pro.

www.MATHEY.com



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

With manufacturing partners in UK, USA, Belgium and Italy, S.F.E. Group are proud to offer the highest quality of components manufactured wholly in Europe/USA. All our machines are assembled in our UK/USA facility and undergo vigorous testing and quality control, which is backed by our products being CE Certified, having Certificates of Conformity, UK/USA 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 facility in the UK/USA or at your site. In addition we understand the importance of the correct operation of our machinery and tools so also offer training packages again either in our UK/USA training facility 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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SPECIALIZED FABRICATION EQUIPMENT
GROUP

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

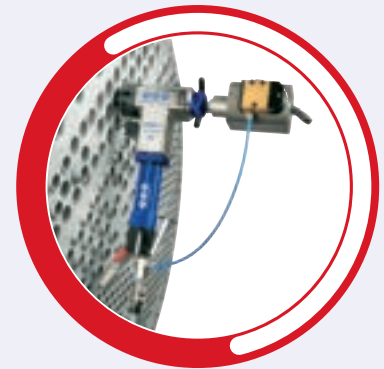
OUR BRANDS





PIPE EQUIPMENT SPECIALISTS

PREP 2 PIPE BEVELLING ½" to 1½"



SCAN QR CODE
TO WATCH VIDEO



RANGE: 23 - 42mm i/d / 0.9 - 1.5" i/d
(optional from 12.5mm i/d / 0.5" 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 form 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. It's 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.

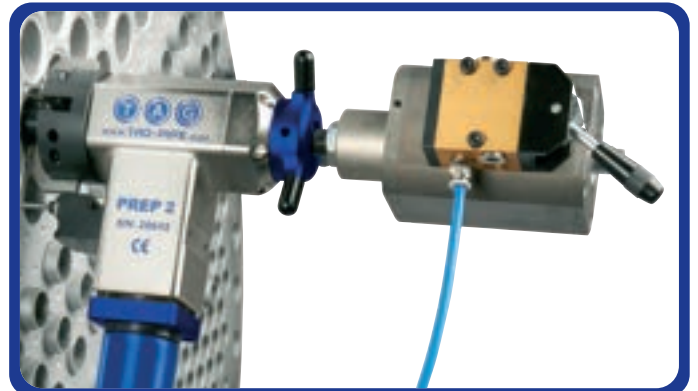


FEATURES AND ADVANTAGES

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 aluminium and nickel plated, this ensures strength and we can keep 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.



 **MADE IN UK** 



POWER OPTIONS:

PNEUMATIC



PART NO. TP2P

ELECTRIC



PART NO. TP2E110 / TP2E220

BATTERY



PART NO. TP2B110 / TP2B220

COMPLETE LEVER



PART NO. TP2PALL

ACCESSORIES AND OPTIONS:

REDUCED SHAFT

12.5 - 23mm i/d
0.5 - 0.9" i/d



PART NO. TP2RSK

ELBOW / FITTINGS SHAFT



26 - 51mm i/d
1 - 2" i/d

PART NO. TP2ESK

AUTO LOCK



Used with
Pneumatic
machines only

PART NO. TP2ALD

RATCHET HANDLES



PART NO. TP2RHK

FEED STOPPER



PART NO. TP2FSK

MILLING HEADS



PART NO. CTBHSF***

PREP 2 TECHNICAL FEATURES

DESCRIPTION	MEASUREMENT	PNEUMATIC	ELECTRIC	BATTERY
Part Number	n/a	TP2P / 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 / 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 or 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.



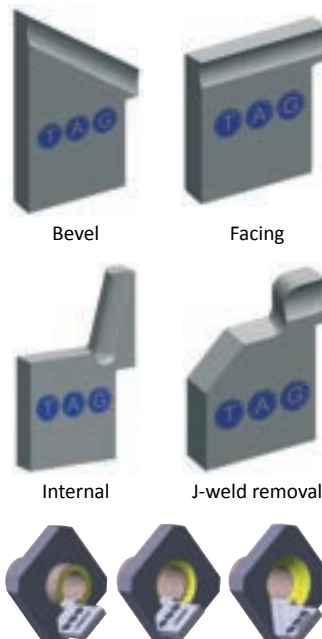
DIMENSIONS



DIM	PNEUMATIC	ELECTRIC	BATTERY
A	400mm	430mm	470mm
B	316mm	316mm	316mm
∅C	106mm	106mm	106mm
∅D	67mm	67mm	67mm
E	54mm	72mm	72mm

EXAMPLES OF COMMON CUTTING TOOLS

FORMED TOOLS



HOLDER / INSERT

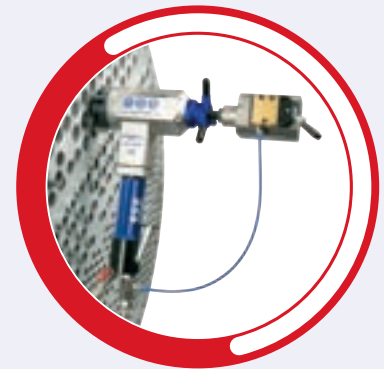


All shapes, sizes and angles available



PIPE EQUIPMENT SPECIALISTS

PREP 3 PIPE BEVELLING 1" to 3"



SCAN QR CODE
TO WATCH VIDEO



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



POWER OPTIONS:

PNEUMATIC



PART NO. TP3P

ELECTRIC



PART NO. TP3E110 / TP3E220

BATTERY



PART NO. TP3B110 / TP3E220

ACCESSORIES AND OPTIONS:

REDUCED SHAFT

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



PART NO. TP3RSK

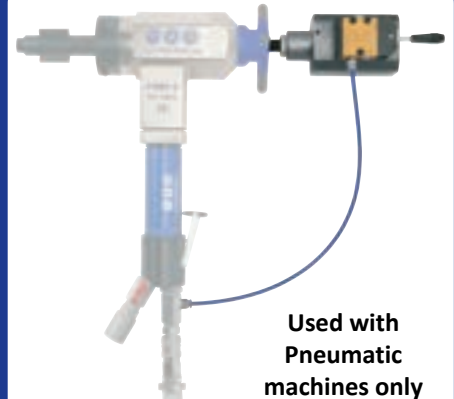
ELBOW / FITTINGS SHAFT



38 - 79mm i/d
1.5 - 3" i/d

PART NO. TP3ESK

AUTO LOCK



Used with
Pneumatic
machines only

PART NO. TP3ALD

RATCHET HANDLES



PART NO. TP3RHK

FEED STOPPER



PART NO. TP3FSK

MILLING HEADS



PART NO. CTMH***BMR

PREP 3 TECHNICAL FEATURES

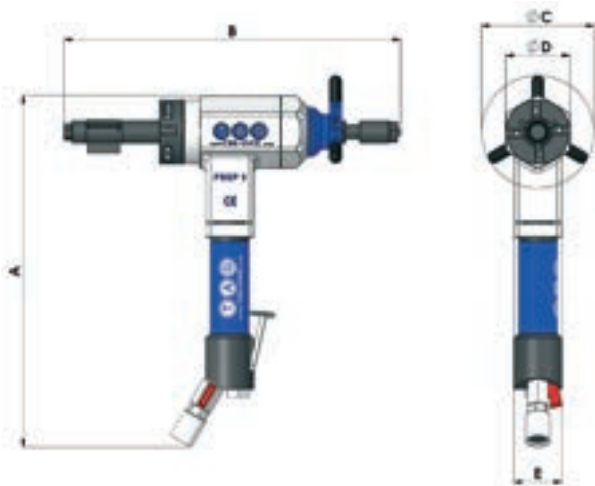
DESCRIPTION	MEASUREMENT	PNEUMATIC	ELECTRIC	BATTERY
Part Number	n/a	TP3P	TP3E110 / TP3E220	TP3B110 / TP3B220
Locking tube range	mm (i/d)	28 - 76 Optional from 20	28 - 76 Optional from 20	28 - 76 Optional from 20
Locking tube range	inch (i/d)	1 - 3" Optional from 0.8"	1 - 3" Optional from 0.8"	1 - 3" Optional 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 / 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

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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.



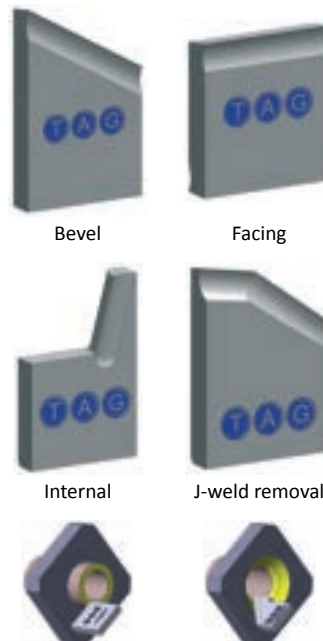
DIMENSIONS



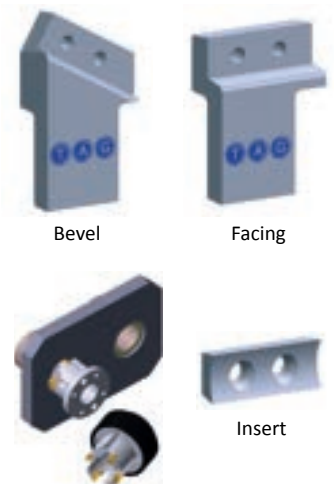
DIM	PNEUMATIC	ELECTRIC	BATTERY
A	435mm	500mm	530mm
B	402mm	402mm	402mm
∅C	140mm	140mm	140mm
∅D	80mm	80mm	80mm
E	60mm	90mm	90mm

EXAMPLES OF COMMON CUTTING TOOLS

FORMED TOOLS



HOLDER / INSERT



All shapes, sizes and angles available



PIPE EQUIPMENT SPECIALISTS

PREP 4 PIPE BEVELLING 1" to 4"



SCAN QR CODE
TO WATCH VIDEO



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

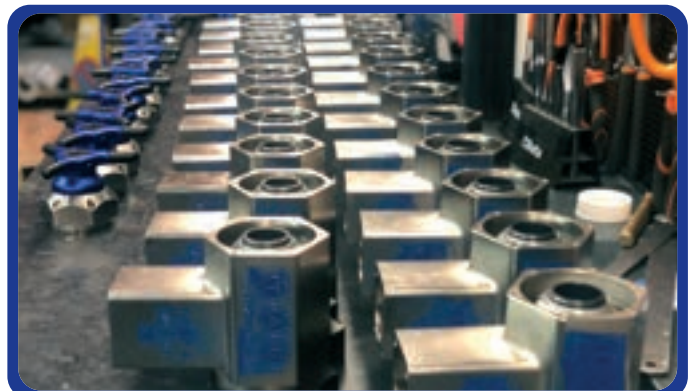
The jaw system itself consists of 3 equilateral positioned machined jaw segments, retained and locked on an inner, 'grooved' expansion shaft.

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.



 **MADE IN UK** 



POWER OPTIONS:

PNEUMATIC



PART NO. TP4P

ELECTRIC



PART NO. TP4E110 / TP4E220

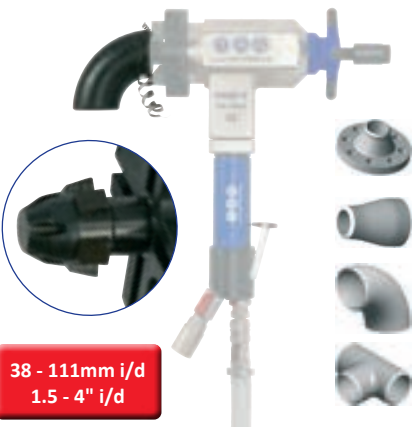
BATTERY



PART NO. TP4B110 / TP4B220

ACCESSORIES AND OPTIONS:

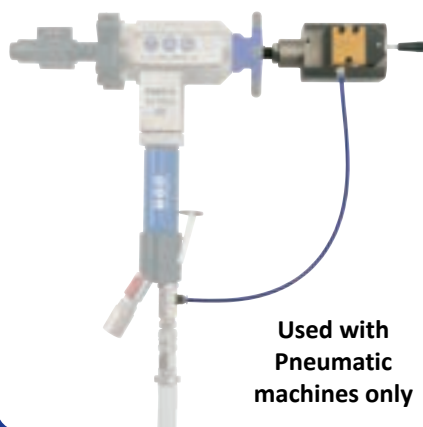
ELBOW / FITTINGS SHAFT



38 - 111mm i/d
1.5 - 4" i/d

PART NO. TP4ESK

AUTO LOCK



Used with
Pneumatic
machines only

PART NO. TP4ALD

RATCHET HANDLES



PART NO. TP4RHK

FILTER LUBRICATOR



PART NO. AFL1



PREP 4 TECHNICAL FEATURES

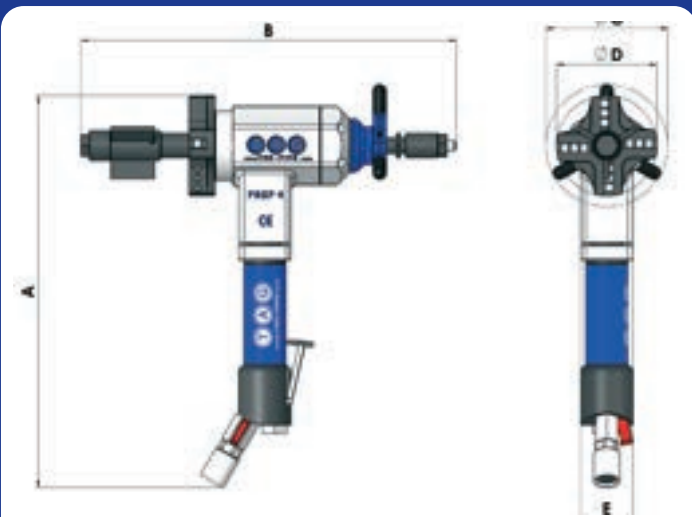
DESCRIPTION	MEASUREMENT	PNEUMATIC	ELECTRIC	BATTERY
Part Number	n/a	TP4P	TP4E110 / TP4E220	TP4B110 / TP4B220
Locking tube range	mm (i/d)	23 - 112	23 - 112	23 - 112
Locking tube range	inch (i/d)	1 - 4"	1 - 4"	1 - 4"
Idle speed	rpm	5 - 100	5 - 82	23 / 37 / 50
Torque	N m	176	152	140
Length of axial feed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

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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.



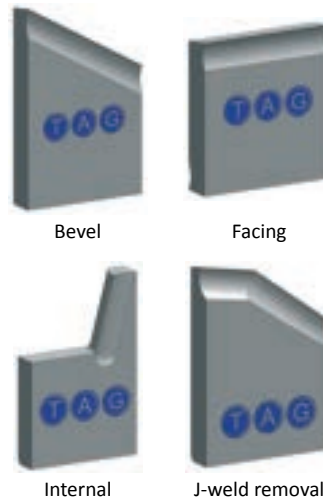
DIMENSIONS



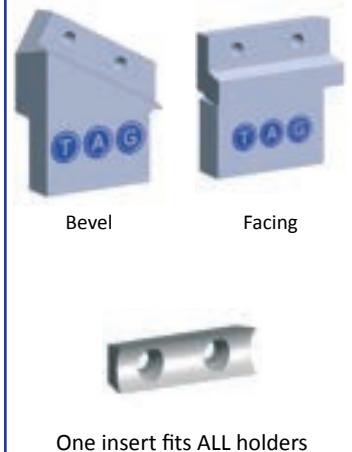
DIM	PNEUMATIC	ELECTRIC	BATTERY
A	455mm	510mm	540mm
B	434mm	434mm	434mm
∅C	140mm	140mm	140mm
∅D	115mm	115mm	115mm
E	60mm	90mm	90mm

EXAMPLES OF COMMON CUTTING TOOLS

FORMED TOOLS



HOLDER / INSERT



All shapes, sizes and angles available



PIPE EQUIPMENT SPECIALISTS

PREP 8 PIPE BEVELLING 2" to 8"



SCAN QR CODE
TO WATCH VIDEO





PREP 8

Portable Pipe Beveling Machine

RANGE: 50 - 211mm i/d / 2 - 8" 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 or electric (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 form tools to enables simultaneous external, internal beveling of even the heaviest wall pipe. The PREP 8 is a real workhorse. It's 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.



MADE IN UK



POWER OPTIONS:

PNEUMATIC



PART NO. TP8P

ELECTRIC



PART NO. TP8E110 / TP8E220

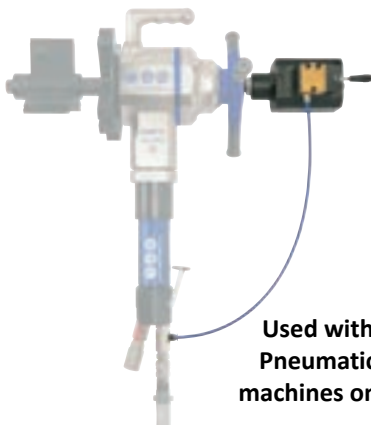
ACCESSORIES AND OPTIONS:

ELBOW / FITTINGS SHAFT



PART NO. TP8ESK

AUTO LOCK



Used with
Pneumatic
machines only

PART NO. TP8ALD

RATCHET HANDLES



PART NO. TP8RHK

FILTER LUBRICATOR



PART NO. AFL1



PREP 8 TECHNICAL FEATURES

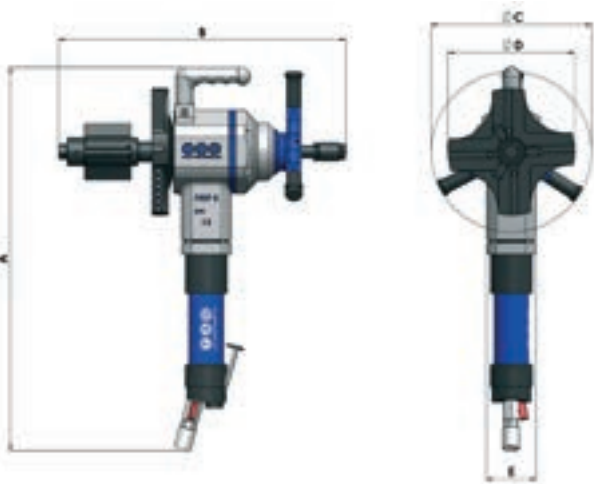
DESCRIPTION	MEASUREMENT	PNEUMATIC	ELECTRIC
Part Number	n/a	TP8P	TP8E110 / TP8E220
Locking tube range	mm (i/d)	50 - 211	50 - 211
Locking tube range	inch (i/d)	2 - 8"	2 - 8"
Idle speed	rpm	5 - 52	5 - 34
Torque	N m	265	280
Length of axial feed	mm	40	40
Max operating temperature	°C	55	55
Max acoustic radiation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

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

- 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.



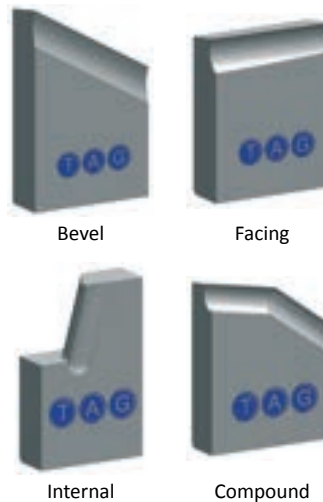
DIMENSIONS



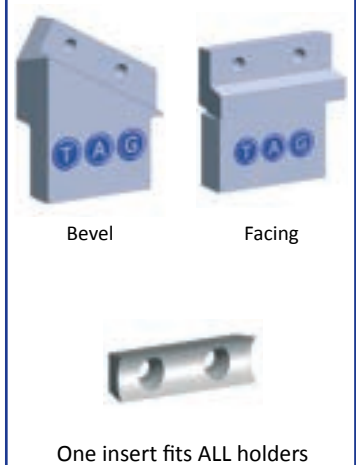
DIM	PNEUMATIC	ELECTRIC
A	670mm	700mm
B	520mm	520mm
∅C	278mm	278mm
∅D	220mm	220mm
E	86mm	90mm

EXAMPLES OF COMMON CUTTING TOOLS

FORMED TOOLS



HOLDER / INSERT



All shapes, sizes and angles available

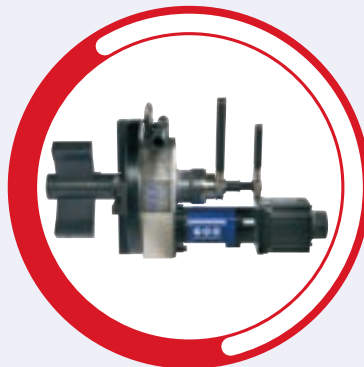


PIPE EQUIPMENT SPECIALISTS

PREP 16 PIPE BEVELLING 3" to 16"



SCAN QR CODE
TO WATCH VIDEO



RANGE: 72 - 400mm i/d / 2.8 - 15.74" 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, 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 in extremely powerful user friendly servo electric or pneumatic 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.



 **MADE IN UK** 

POWER OPTIONS:

SERVO ELECTRIC

RECOMMENDED



**PATENT
PENDING**



PART NO. TP16SE110 / TP16SE220

PNEUMATIC



PART NO. TP16P

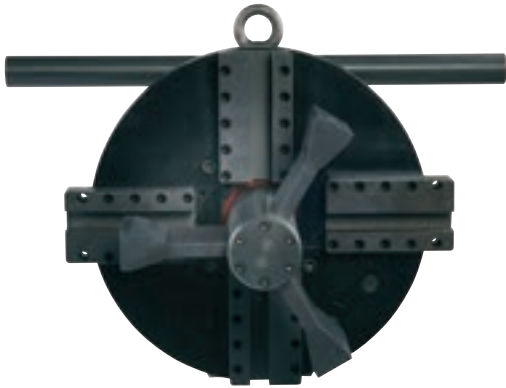
HYDRAULIC



PART NO. TP16H

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



RECOMMENDED

**PATENT
PENDING**

SERVO ELECTRIC control box makes the strongest portable pipe beveling 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

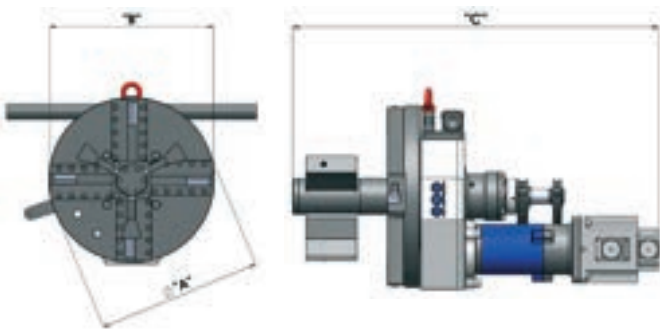
DESCRIPTION	MEASUREMENT	PNEUMATIC	SERVO ELECTRIC	HYDRAULIC
Part Number	n/a	TP16P	TP16SE110 / TP16SE220	TP16H
Locking tube range	mm / inch (i/d)	72 - 400 / 2.8 - 15.74"	72 - 400 / 2.8 - 15.74"	72 - 400 / 2.8 - 15.74"
Working range	mm / inch (o/d)	72 - 406 / 3 - 16"	72 - 406 / 3 - 16"	72 - 406 / 3 - 16"
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 / l/min.	90 / 2500	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
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	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 / lbs	128 / 282	140 / 305	125 / 275

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- 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.



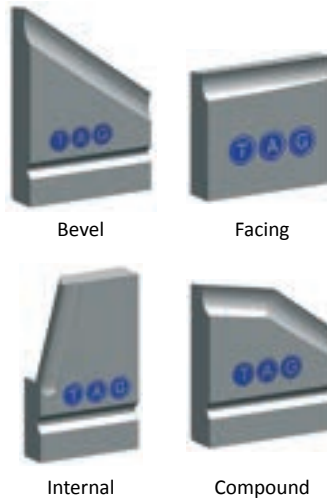
DIMENSIONS



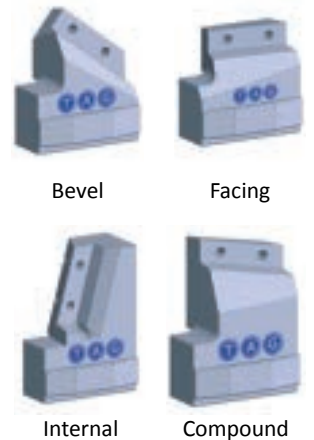
DIMENSIONS		PNEUMATIC	SERVO ELECTRIC	HYDRAULIC
∅A	mm	323	323	323
B	mm	407	407	407
C	mm	750	630	530

EXAMPLES OF COMMON CUTTING TOOLS

FORMED TOOLS



HOLDER / INSERT (Recommended)



All shapes, sizes and angles available



One insert fits ALL holders



PIPE EQUIPMENT SPECIALISTS

PREP 24 PIPE BEVELLING 7" to 24"



SCAN QR CODE
TO WATCH VIDEO



RANGE: 175 - 600mm i/d / 6.9 - 23.6" 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, 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 in extremely powerful user friendly servo electric or pneumatic 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.



 **MADE IN UK** 

POWER OPTIONS:

SERVO ELECTRIC

RECOMMENDED



PATENT PENDING

PART NO. TP24SE110 / TP24SE220

PNEUMATIC



PART NO. TP24P

HYDRAULIC



PART NO. TP24H

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

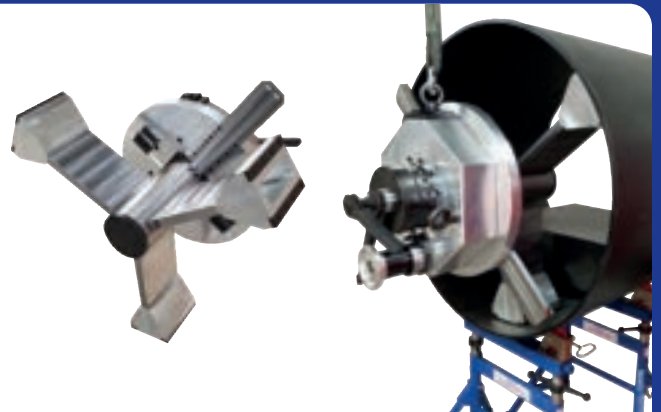


RECOMMENDED

**PATENT
PENDING**

SERVO ELECTRIC control box makes the strongest portable pipe beveling 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

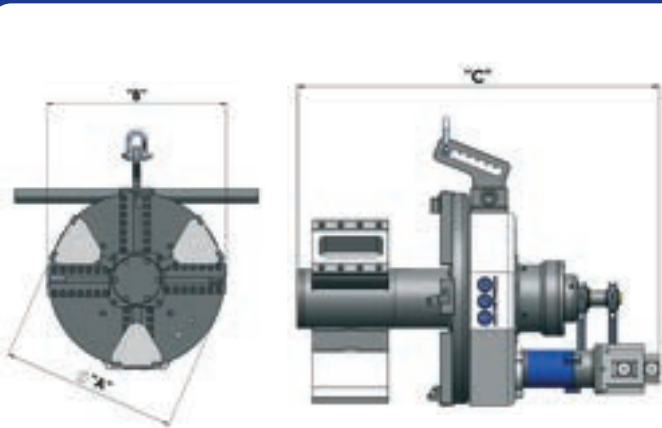
DESCRIPTION	MEASUREMENT	PNEUMATIC	SERVO ELECTRIC	HYDRAULIC
Part Number	n/a	TP24P	TP24SE110 / TP24SE220	TP24H
Locking tube range	mm / inch (i/d)	175 - 600mm / 6.9 - 23.6" (optional up to 42")	175 - 600mm / 6.9 - 23.6" (optional up to 42")	175 - 600mm / 6.9 - 23.6" (optional up to 42")
Working range	mm / 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 / l/min.	90 / 2500	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
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

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- 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.



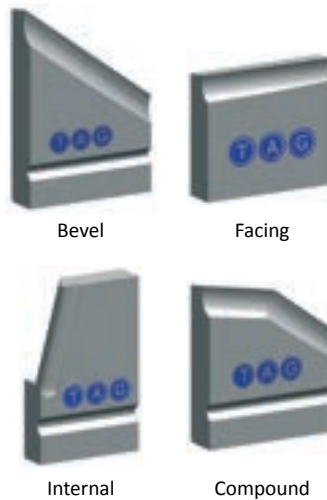
DIMENSIONS



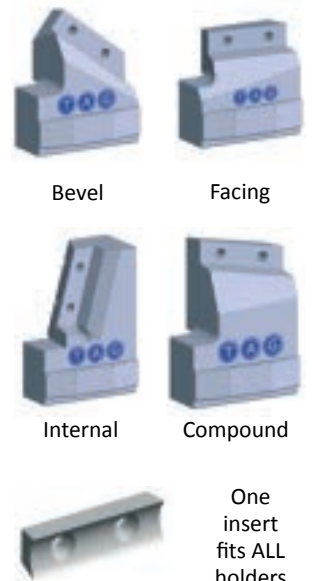
DIMENSIONS		PNEUMATIC	SERVO ELECTRIC	HYDRAULIC
∅A	mm	550	550	550
B	mm	580	580	580
C	mm	1005	955	855

EXAMPLES OF COMMON CUTTING TOOLS

FORMED TOOLS



HOLDER / INSERT (Recommended)



All shapes, sizes and angles available



PREP 16 AND PREP 24 ELBOW / FITTINGS

Portable Elbow and Fitting Machine

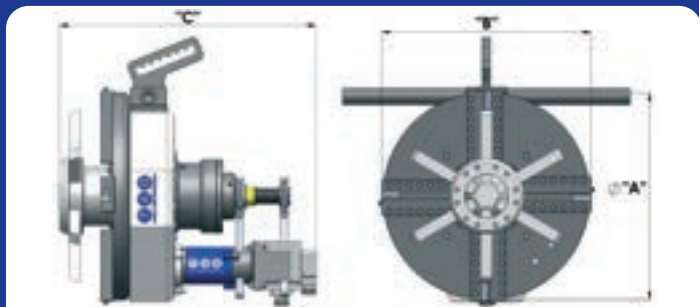
The TAG PREP 16 ELBOW / FITTINGS and TAG PREP 24 ELBOW / FITTINGS complete machine enables bevelling, J-preps, counter boring and facing on elbows and pipe fittings, due to its heavy duty yet compact shaft and 6 piece locking jaw system. The machines can be supplied in either servo electric, pneumatic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



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)	130 - 410mm / 5.11 - 16.14"	130 - 410mm / 5.11 - 16.14"	130 - 410mm / 5.11 - 16.14"
Part Number	n/a	TP24EP	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"

DIMENSIONS PREP 16/24 ELBOW / FITTINGS



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

EXAMPLES OF FITTINGS





PANEL PREP MACHINES

O/D Pipe Beveling Machine

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

- **Functions:** External beveling / internal beveling / 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 beveling 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 beveling applications and for opposite tubes.

MODEL	PIPE O/D RANGE	PART NO PNEUMATIC	PART NO ELECTRIC
TAG Panel Prep 2	8 - 53mm / 0.3 - 2"	TPP2P	TPP2E
TAG Panel Prep 2.5	20 - 63mm / 0.8 - 2.5"	TPP2.5P	TPP2.5E
TAG Panel Prep 3	25 - 73mm / 1 - 3"	TPP3P	TPP3E
TAG Panel Prep 3.5	30 - 83mm / 1.2 - 3.5"	TPP3.5P	TPP3.5E
TAG Panel Prep 4	50 - 108mm / 2 - 4"	TPP4P	TPP4E



Pneumatic



Electric 220 or 110v



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	8	10	12	14	16	18	20	22	25	28	32	38	42	44.5	48	51	53
TAG Panel Prep 2.5	O/D mm	20	22	25.4	28	32	38	42	44.5	48	51	56	57	60	63	n/a	n/a	n/a
TAG Panel Prep 3	O/D mm	25.4	28	32	38	42	44.5	48	51	57	60	63	68	70	73	n/a	n/a	n/a
TAG Panel Prep 3.5	O/D mm	25.4	28	32	38	42	44.5	48	51	57	60	63	68	70	73	76	83	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



PIPE EQUIPMENT SPECIALISTS

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



**SCAN QR CODE
TO WATCH VIDEO**



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

Portable O/D Locking Cold Pipe Cutting and Beveling Machines

RANGE: 1" to 48" o/d (25 - 1,220mm)
Larger sizes and customised machines available upon request

- **Functions:** External beveling / internal beveling / counter-boring / compound bevels / J-prep beveling
- **Materials:** Any kind of steel and exotic alloy
- **Power:** Pneumatic, electric (110v or 220v), hydraulic or servo electric motor

TSFC6 - TSFC24 (MODULAR BLOCK JAWS)



		TSFC6	TSCF8	TSCF12	TSCF16	TSCF18	TSCF20	TSCF24
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 - TSFC48 (TELESCOPIC 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 - 800	762 - 956	914.4 - 1108	1066.8 - 1280

The basics

TAG's new range of 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.



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.



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

RECOMMENDED



Servo Electric Motor



Double Pneumatic available

Pneumatic Motor



Hydraulic Motor

TSFC6 - TFSC12 ONLY



Electric Motor

TSFC30 - TSFC120

RECOMMENDED



Servo Electric Motor



Double Pneumatic available

Pneumatic Motor



Hydraulic Motor

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.

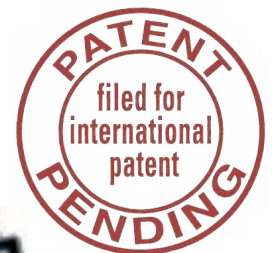
A 1.5 kilowatt servo motor, which, like a 3 phase motor, or hydraulic drive, does not slow and strain under load.

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 for up to 30mm thickness or double for 30mm+.



Single Servo Control



Double Servo Control

TOOL BOXES AND ACCESSORIES

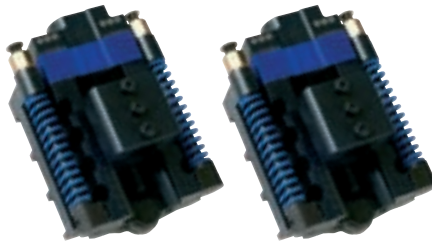
The tool slides are available in various configurations to accept the full range of TAG tooling.



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.

We also offer custom designed tooling, special tool steel for applications not covered by our standard range.

FIXED ANGLE BEVEL



COMPOUND BEVEL



J PREP



All shapes, sizes and angles available



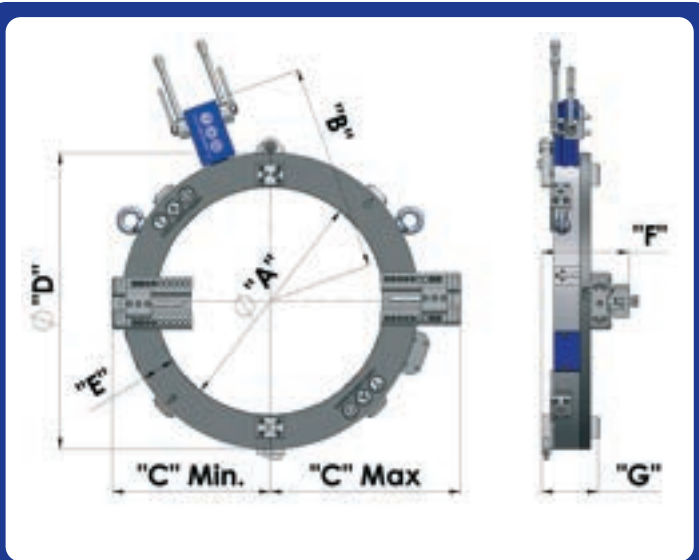
RING DIMENSIONS

		TSCF6	TSCF8	TSCF12	TSCF16	TSCF18	TSCF20	TSCF24	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"
A	mm	184.00	235.00	350.00	425.00	477.00	528.00	640.00	800.00	956.00	1108.00	1280.00
B	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
E	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
X	mm	130.00	130.00	210.00	210.00	210.00	210.00	210.00	255.00	255.00	255.00	265.00

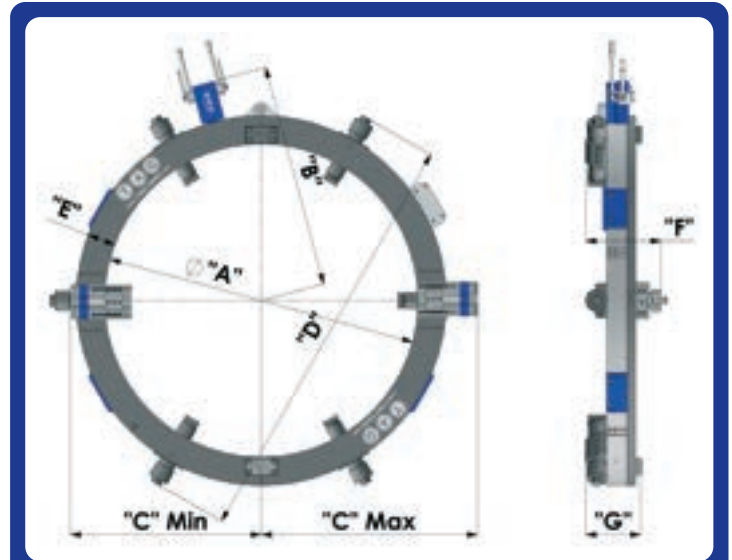
Low clearance options or custom machines available on request should you have access restrictions

F Ring only	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	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	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	425.00	425.00	425.00	425.00	425.00	425.00	425.00	425.00	425.00	425.00	425.00	425.00

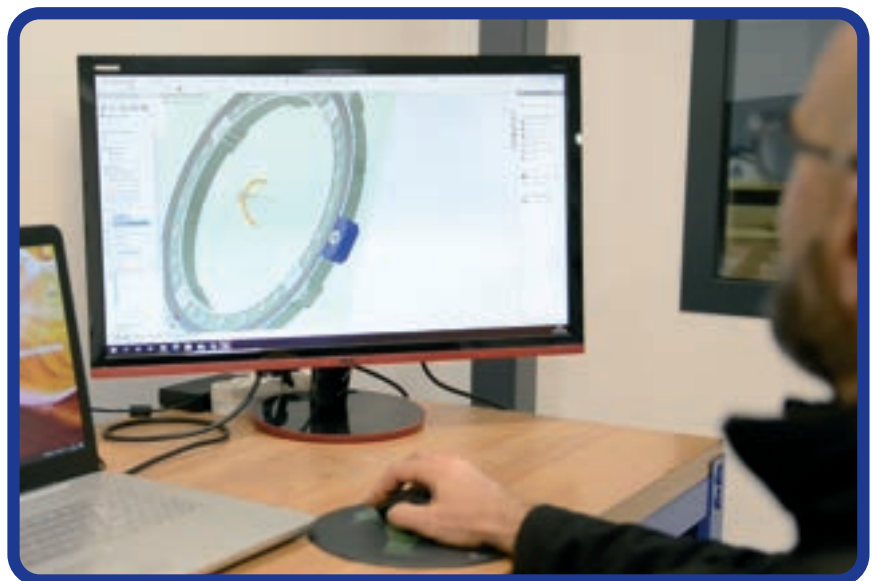
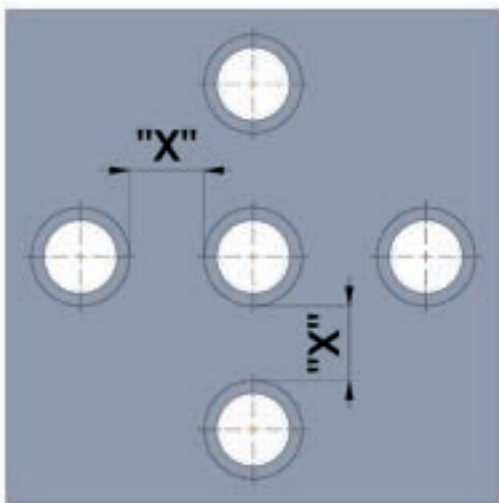
Right angle drive motors are available on request (extra at cost)



TSCF6 - TSCF24



TSFC30 - TSFC48



SPLIT FRAME TECHNICAL FEATURES

		TSCF6	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	¾	¾	¾	¾	¾	¾	¾	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.

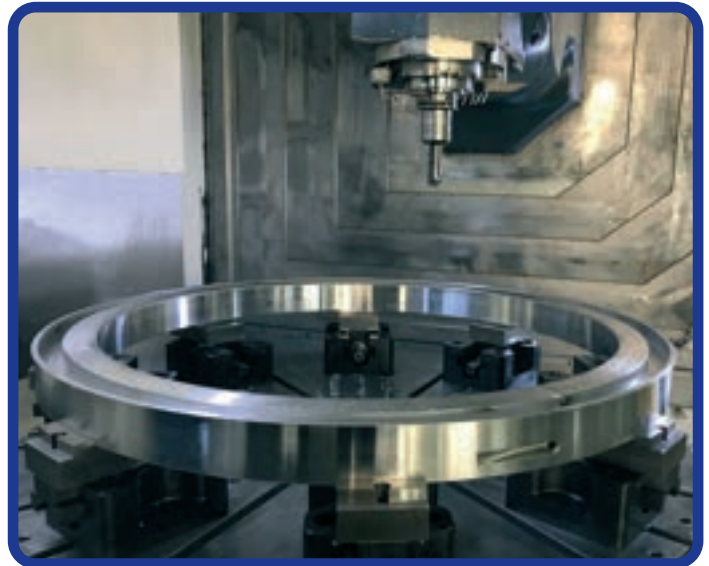
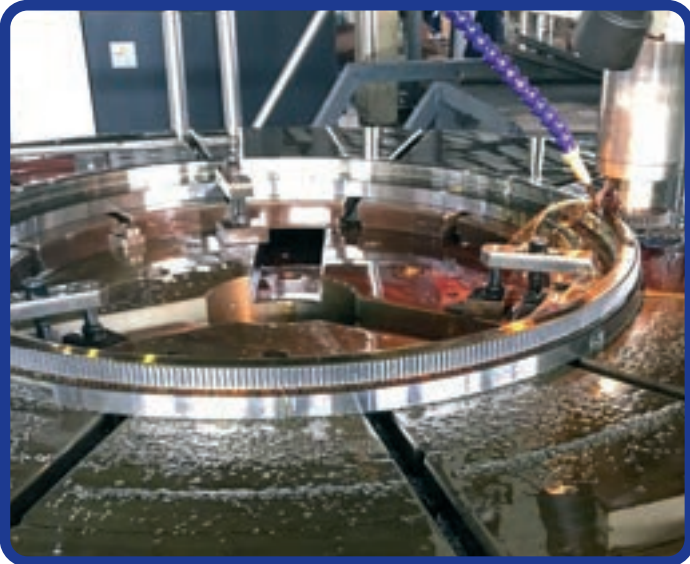
- All complete machines are supplied with: Machine ring/body, motor, tool boxes, striker, locking jaws, machine box, service tools.
- A protective custom built metal box is supplied with TSCF6 - TSCF24, all larger sizes are supplied in a custom built wooden box
- Drawings, instruction manual and warranty 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	TSCF6	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	L x W x H mm	1,200 x 900 x 470			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 SPLIT FRAME UK PRODUCTION

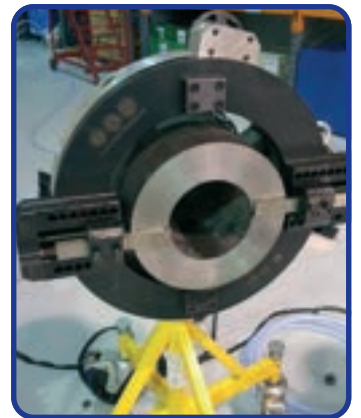
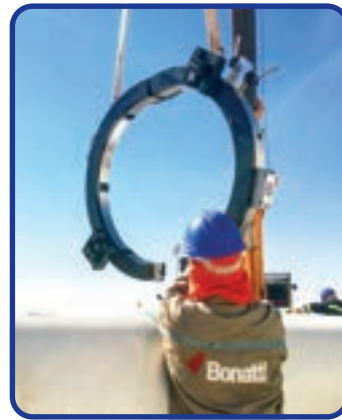


MADE IN UK





EXAMPLES OF JOBS DONE WITH TAG SPLIT FRAME CLAMSHELLS





PIPE EQUIPMENT SPECIALISTS

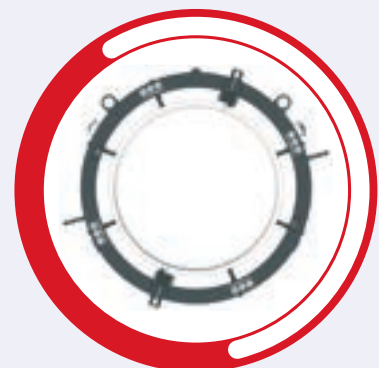
**SPLIT FRAME CLAMSHELL
COLD CUTTING AND BEVELLING
MACHINES 48" to 120"**



**SCAN QR CODE
TO WATCH VIDEO**



Heavy Duty Steel Body



The Basics

TAG's new range of 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 - 2,680mm	12
TSFC120	105 - 120"	2,680 - 3,050mm	12

Larger sizes available upon request

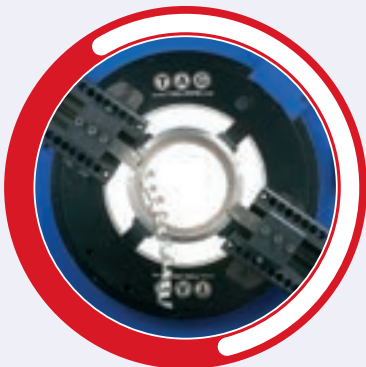




PIPE EQUIPMENT SPECIALISTS

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

SCAN QR CODE
TO WATCH VIDEO





E-Z FAB PIPE COLD CUTTING AND BEVELLING MACHINE

O/D Locking Cold Pipe Cutting and Beveling Machines

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

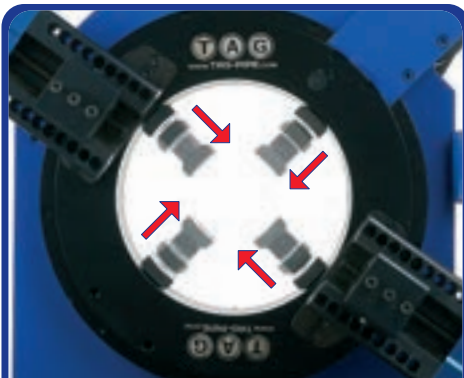
- High speed process pipe cutting and bevelling
- UNIQUE touch screen NC servo electric drive
- Combines accuracy with safety
- Several automation modes
- Any material
- Customisable to your needs



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 our clamshell split frame cutting and bevelling machines.

However, the rotating, working inner ring is 1 piece, and is housed in a cast outer body, meaning strength, rigidity and speed. Due to its stability and powerful 1.5kw servo electric motor. The ring is 1 piece meaning that it can rotate at high speed, whilst maintaining a stable, precise cut.



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



Range of formed cutting tools available for cutting all thickness's of pipe and bevelling at any required angle



Pipe cutting



Pipe bevelling



E-Z FAB PIPE COLD CUTTING AND BEVELLING MACHINE

Touch screen

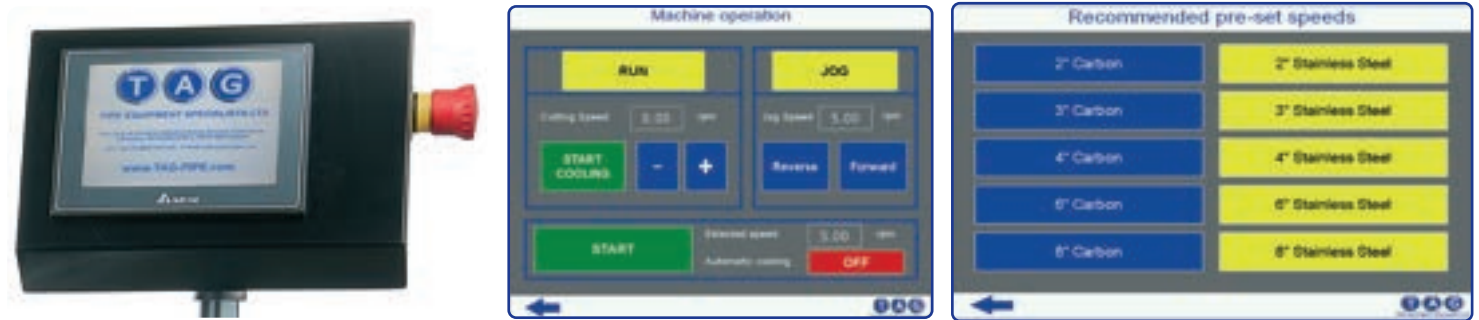
The E-Z FAB has been fitted with a powerful 1.5KW Delta servo motor with Delta NC control. This enables ease of use with all functions touch screen, we have used our 25 years experience to recommend pre-set speeds for pipe size/material as you can see below this enables very quick and easy set up with 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

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

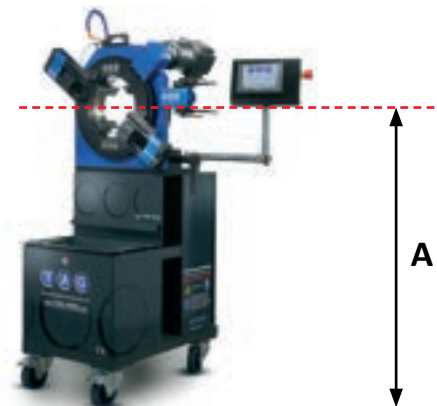
Example cutting and bevelling times

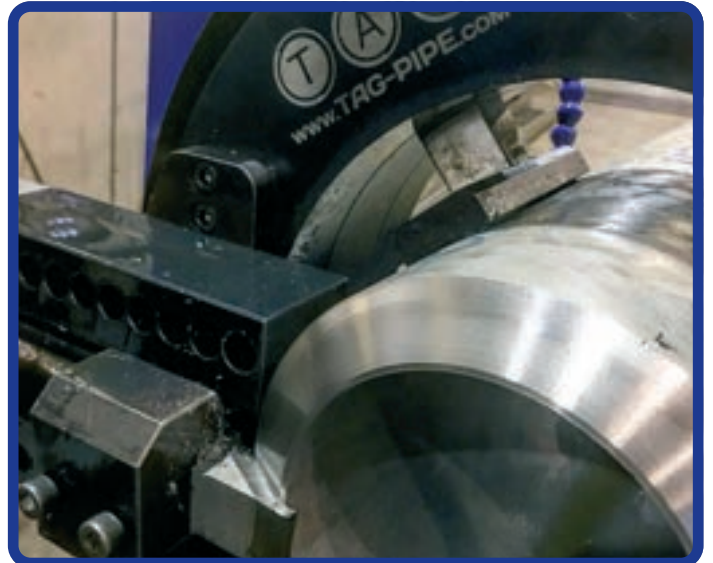
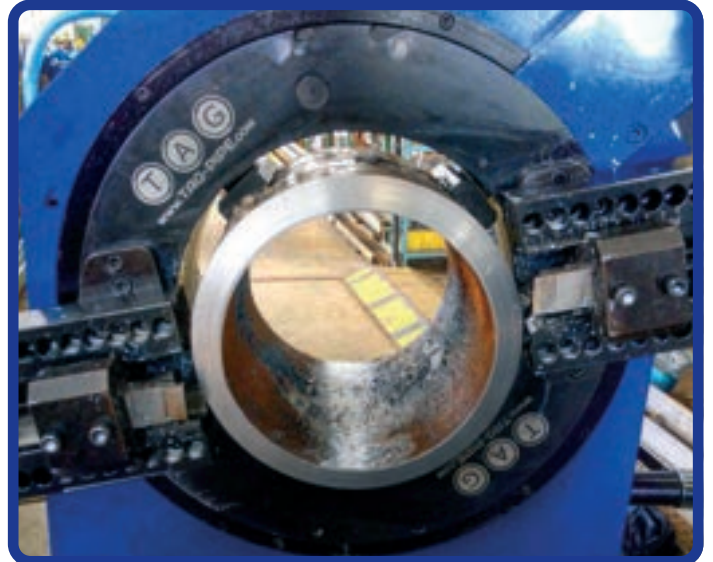
PIPE SIZE	PIPE SHD	WALL THICKNESS (MM)	PIPE MATERIAL	PRE-SET SPEED	CUTTING AND BEVELLING TIME
2 inch	SHD40	4mm	Stainless Steel	45rpm	2 minutes
4 inch	SHD40	4mm	Stainless Steel	30rpm	2.5 minutes
6 inch	SHDXXS	22mm	Carbon	35rpm	5 minutes
8 inch	SHD40	8mm	Stainless Steel	20rpm	9 minutes

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

* Minus 155mm / 6.10" without castor wheels





MADE IN UK



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.



Electric



Pipe locking vice for 1" to 6". Adjustable blade position to cut angles from 90° to 45°. Stop feeding stroke included in the standard equipment.



Chain vice for 4" to 12". Stop feeding stroke included in the standard equipment.



Pneumatic



660 x 209 x 98mm

TECHNICAL SPECIFICATION

Description		E-Z Pipe Saw Pneumatic	E-Z Pipe Saw Electric
Part Number		EZSP	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	-
Air consumption	cfm	55 - 60	-
Air working pressure	psi	90	-
Air hose connection	inch	¾"	-
Electric motor power	watt	-	1400 (adj)
Voltage	volt	-	110 / 220
Frequency	Hz	-	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



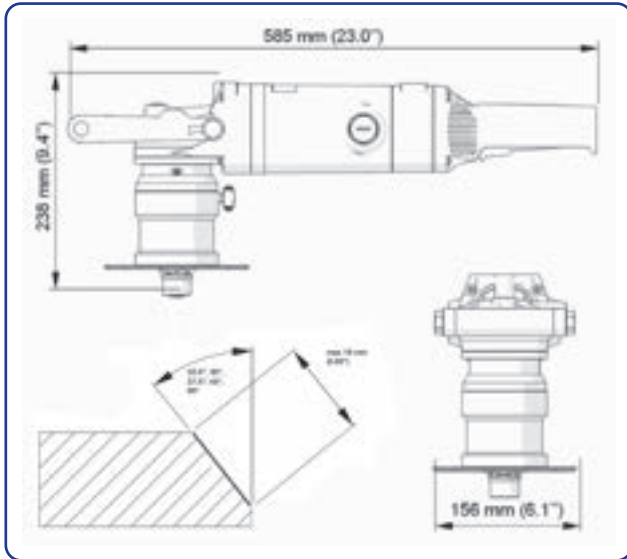
RANGE: Thickness 1.5mm upwards / Bevel Angle: from 20° to 60°
Max Bevel Width: 16mm / Max Radius: 5mm

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

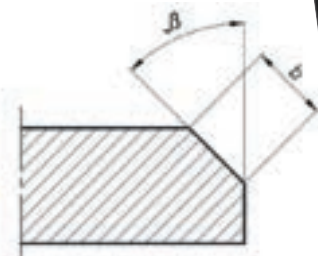
For the deburring of outer and inner outlines, beveling, milling of radii and bore holes as from 20mm \varnothing .

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

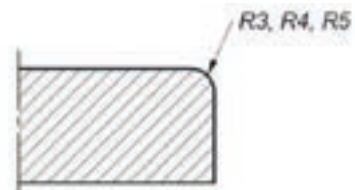
- Tool-less adjustment of bevel height
- Handy and powerful
- For construction steels, stainless steels, aluminium and other materials
- Multiple indexable insert holder 45° (optional 30°)
- Also for radii R = 2.5



Bevel milling head



Radius milling head



TECHNICAL SPECIFICATION

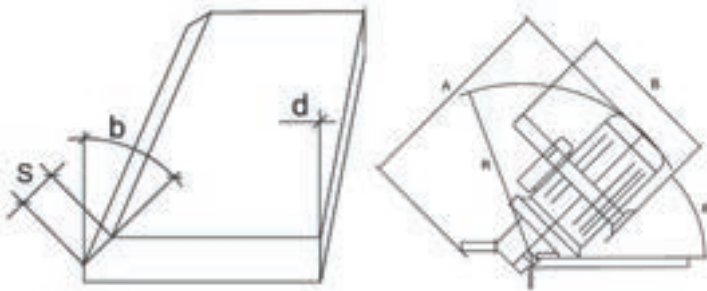
Power Supply	230v / 110v 50 - 60 Hz
Motor	2200W
Motor speed	1800 - 5850rpm
Minimal diameter of countersinking	40mm
Beveling with radius	R3, R4, R5
Maximal bevel width	@ 45° (b) 16mm
Feed	0,5 - 10 m/min (manual)
Beveling angles	20°, 22.5°, 30°, 37.5°, 45°, 50°, 55° and 60° (other angles upon request)
Plate thickness	Minimum 1.5mm
Dimensions	585 x 156 x 238mm
Weight	10kg / 22lbs

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 beveling steel plates prior to welding. This beveling 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 mm (")	B mm (")	R mm (")	S mm (")	D min mm (")	a (°)	b (°)	g (°)	d = 0°	Weight kg (lbs)
420 16 5/8	330 13	305 12	0-20 0-3/4	150 6	45-75	15-60	75-30	Yes	20.0 43



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



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



Continuous angle adjustment from 0 to 60 degrees.

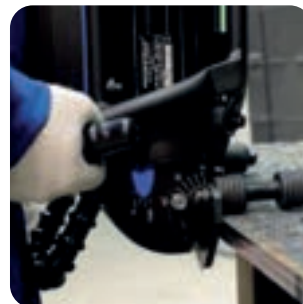


Plate facing-off



Plate beveling

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

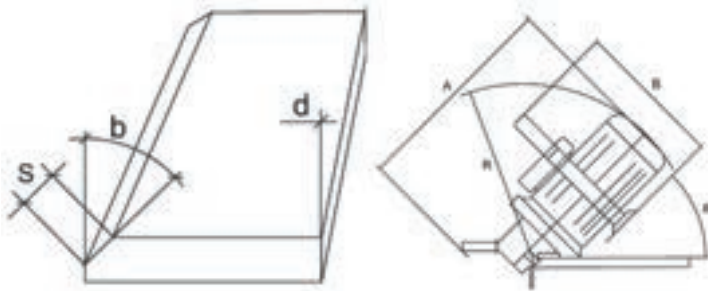
RANGE: Thickness 6 to 60mm / Bevel Angle: from 0° to 60° / Max Bevel Width 21mm

- **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 guide plate with guide rolls made of stainless steel, The PMM200SS is easy to use, portable, heavy duty machine designed for beveling steel/ stainless steel plates prior to welding.

This beveling 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 beveling 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 16 5/8	330 13	305 12	0-20 0-3/4	150 6	45-75	15-60	75-30	Yes	20.0 43



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



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



Continuous angle adjustment from 0 to 60 degrees.

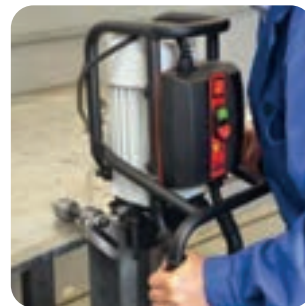


Plate facing-off



Plate beveling

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

PPM

PIPE PURGE MASTERS

MARCH 2022

COMPLETE BROCHURE

PIPE PURGING SYSTEMS



PURGE OXYGEN MONITOR



PIPE STOPPERS





SPECIALIZED FABRICATION EQUIPMENT GROUP

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.



UNITED STATES HEAD OFFICE - HOUSTON



INTERNATIONAL HEAD OFFICE - FRANCE

OUR BRANDS





Introduction to Pipe Purge Masters (PPM)

With 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, the various product groups offered by the original manufacturers have been re-aligned and integrated into the overall S.F.E. Group product range whilst keeping their own brand identity.

Backed by nearly 25 years of development, S.F.E. Group is proud to present its brand dedicated to pipe purging products, applications and solutions: **Pipe Purge Masters (PPM)**. With the PPM brand, S.F.E. Group not only wishes to highlight the focus on pipe purging products, but also supply the growing demand and diverse applications on-site, of pipe purging equipment in the industries that it already serves and intertwine with other product applications within S.F.E. Group, such as the orbital welding offered under the AXXAIR brand.

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

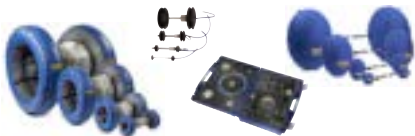
The PPM brand portfolio consists of a comprehensive range of pipe purging equipment: **inflatable pipe purge bag systems**, formed **double seal purge systems**, **purge oxygen monitors**, inflatable as well as mechanical **pipe stoppers** and accessories.

Pipe Purge Masters' 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 purging application.



PIPE PURGING SYSTEMS



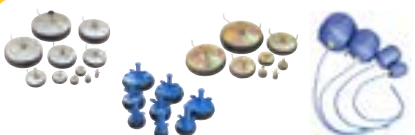
PPM's range of purge systems greatly reduces the purging time and gives significant gas savings while producing a top quality weld.

PURGE OXYGEN MONITOR



PPM also offers a full range of weld purge monitoring systems to accurately measure the level of oxygen inside the weld chamber to obtain high quality purity welding.

PIPE STOPPERS



In addition to the purging systems and purge monitors, PPM also offers an extensive range of pipe stoppers: inflatable stoppers available in all shapes, sizes and materials, as well as expanding stoppers available in nylon, steel and aluminium. PPM also provides tailor made pipe stopper solutions.

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SPECIALIZED FABRICATION EQUIPMENT
GROUP

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

OUR BRANDS





PIPE PURGING SYSTEMS



When welding stainless steel, titanium and other corrosion resistant materials, the perfect environment for welding is paramount to maintaining the corrosion resistant properties.

During the welding process, the weld seam is subjected to heat and air, which can cause oxidation, if the correct processes are not adhered to.

For the best results, oxidation must be prevented.

The quality of the exotic corrosion resistant material welding is dependent on the correct purging methods to minimize or eliminate oxidation.

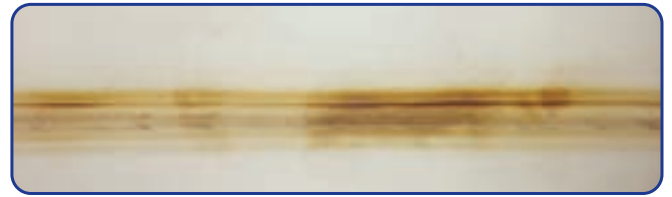
All PPM (Pipe Purge Masters) purging systems are designed to efficiently remove oxygen as fast as possible.

This can be achieved by isolating the smallest area of pipe, resulting in the fastest purge times, while also minimising the amount of purge gas used.

The pictures below show the different levels of weld quality depending on oxidation present at the point of welding.



Argon purge 12 ppm
Vol. O₂ content



Argon purge 60 ppm
Vol. O₂ content



Argon purge 70 ppm
Vol. O₂ content



Argon purge 200 ppm
Vol. O₂ content



Argon purge 250 ppm
Vol. O₂ content



Argon purge 500 ppm
Vol. O₂ content

The effective welding of stainless steel, titanium and other exotic materials for the nuclear, petrochemical, pharmaceutical, semi-conductor, aerospace and food industries requires the proper tools to create a perfect weld environment.

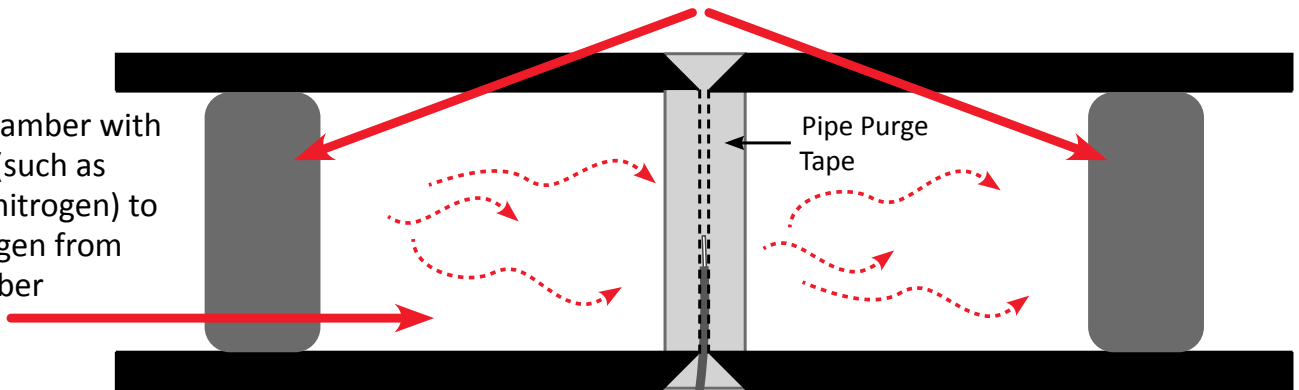
Purging equipment and its use have a major impact on preventing oxidation and improving final weld quality. The basic principles of purging can be seen below.

PPM supplies a comprehensive range of systems to create the correct welding environment, whatever the application.

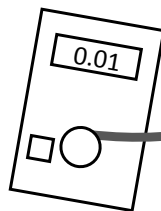
PRINCIPLES OF PURGING

1. Create a seal (dam) either side of the weld and close off the weld gap with purge tape to create the weld chamber

2. Fill the chamber with inert gas (such as argon or nitrogen) to expel oxygen from the chamber



3. Use a weld purge monitor to recognize when the required level of oxygen has been met



4. Welding can then be carried out, guaranteeing no oxidation or discoloration of the weld

Double inflatable pipe weld purging systems

Used for 90% of the traditional pipe weld purging applications to provide bright, shiny, oxide free weld roots. The PPM Purge Bag system is quick and easy to use, providing a very rapid weld purge. High quality materials are used in the production of these systems, guaranteeing perfect oxide-free weld roots in very little time.

4" Purge Bag system



Due to the design of this system, the volume of gas used to purge is minimized, resulting in significant reduction of both time and inert gas consumption. Return on investment can be achieved in as little as just one or two welds. These robust systems can be used over and over again paying for themselves in very little time.

Features and advantages

- PPM's Purge Bag system dramatically reduces purging times, leading to significant savings
- **Typical purge times for 4" pipe = 1½ mins; 8" pipe = 4 mins; 12" pipe = 8 mins**
- Ready to use, connects to a dedicated and regulated gas supply. Choose any flow rate up to 20l a min.
- Gas pressure control ensures an even positive root bead with no notching
- Quick and easy to install, simplifying the process of inert gas purging
- Heat resistant up to 70°C continuously
- Use less inert gas. The volume of purge gas used is less than 2% of a conventional purge

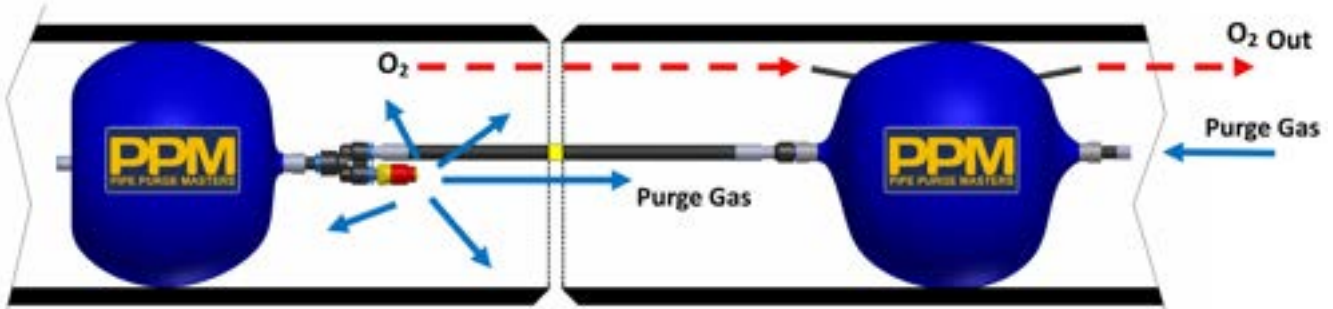


How it works

The Purge Bag system is designed around the principle of using 2 dams, that are connected by an armoured spinal tube, to create a seal either side of the weld. These dams are just far enough away from the weld not to be affected by heat, but close enough to the joint to provide the fastest weld purge time.

Once ready to start purging, the system is inserted into the bore of the pipe using the luminous strip to centre the system to the weld gap.

When the gas flow is started, the dams inflate and upon reaching the pre-set pressure, the valve releases the gas gently into the weld chamber, to purge the interspace without turbulence. The oxygen is removed from the weld chamber by the inert gas through the integral exhaust tubes in the bags, enabling the welder to produce an even oxidation free penetration weld bead. Used in conjunction with PPM's oxygen monitors, indicating when the required low level of oxygen has been reached, welding can then commence. Afterwards, the dams are deflated simply by disconnecting the purge gas feed and the system easily withdrawn. The design of this system requires only one gas connection for both dam inflation and weld purging.



Sizing and specification

PART NO	DESCRIPTION	NOMINAL PIPE SIZE		INTERNAL DIAMETER RANGE (I/D)		WEIGHT (LBS. / KG)	
PB02	2" Purge Bag system	50 mm	2"	1.49" - 2.37"	38 - 60 mm	1 lbs.	0.34 kg
PB03	3" Purge Bag system	75 mm	3"	2.17" - 3.53"	55 - 90 mm	1 lbs.	0.34 kg
PB04	4" Purge Bag system	100 mm	4"	3.51" - 4.51"	89 - 115 mm	1 lbs.	0.34 kg
PB05	5" Purge Bag system	125 mm	5"	4.14" - 5.50"	105 - 140 mm	1 lbs.	0.38 kg
PB06	6" Purge Bag system	150 mm	6"	5.32" - 6.68"	135 - 170 mm	1 lbs.	0.38 kg
PB07	7" Purge Bag system	175 mm	7"	6.30" - 7.66"	160 - 195 mm	2 lbs.	0.70 kg
PB08	8" Purge Bag system	200 mm	8"	7.09" - 8.45"	180 - 215 mm	2 lbs.	0.90 kg
PB09	9" Purge Bag system	225 mm	9"	8.08" - 9.43"	205 - 240 mm	2 lbs.	0.95 kg
PB10	10" Purge Bag system	250 mm	10"	9.26" - 10.61"	235 - 270 mm	2 lbs.	1.00 kg
PB11	11" Purge Bag system	275 mm	11"	10.03" - 11.41"	255 - 290 mm	2 lbs.	1.05 kg
PB12	12" Purge Bag system	300 mm	12"	11.03" - 12.39"	280 - 315 mm	2 lbs.	1.10 kg
We strongly recommended using our Rapid Purge™ system over 12"							
PB13	13" Purge Bag system	325 mm	13"	11.41" - 12.79"	290 - 325 mm	2 lbs.	1.20 kg
PB14	14" Purge Bag system	350 mm	14"	12.41" - 13.76"	315 - 350 mm	3 lbs.	1.30 kg
PB15	15" Purge Bag system	375 mm	15"	13.38" - 14.76"	340 - 375 mm	3 lbs.	1.50 kg
PB16	16" Purge Bag system	400 mm	16"	14.38" - 15.73"	365 - 400 mm	3 lbs.	1.70 kg
PB17	17" Purge Bag system	425 mm	17"	15.35" - 16.73"	390 - 425 mm	4 lbs.	1.75 kg
PB18	18" Purge Bag system	450 mm	18"	16.34" - 17.70"	415 - 450 mm	4 lbs.	1.80 kg
PB19	19" Purge Bag system	475 mm	19"	17.32" - 18.70"	440 - 475 mm	4 lbs.	1.85 kg
PB20	20" Purge Bag system	500 mm	20"	18.31" - 19.67"	465 - 500 mm	4 lbs.	1.90 kg
PB22	22" Purge Bag system	550 mm	22"	19.69" - 21.05"	500 - 535 mm	5 lbs.	2.20 kg
PB24	24" Purge Bag system	600 mm	24"	22.45" - 23.80"	570 - 605 mm	6 lbs.	2.50 kg

(Larger sizes and specials available upon request with 35 mm / 1.37" expansion range)



RAPID PURGE™ SYSTEM

Sizes: 8 - 80" (190 - 2,044 mm)



Purge larger diameter pipes faster than ever!

Used for stainless, duplex, chrome steels, titanium, nickel and other alloy materials, the PPM Rapid Purge™ system enables high speed welding of larger diameter pipe joints that need to be purged.

The system is designed to enable the user to produce high quality, reliable and repeatable welding of stainless steel tube and pipe joints free from oxidation and discolouration.

A 36" diameter pipe will purge to below 0.1% oxygen in less than 10 minutes and all smaller pipes correspondingly faster. Due to the quality of the materials used, the Rapid Purge™ system can be used over and over again, reducing manufacturing costs.

The Rapid Purge™ system has been developed specifically to enable high speed purging for any pipe welding application.

Features and advantages

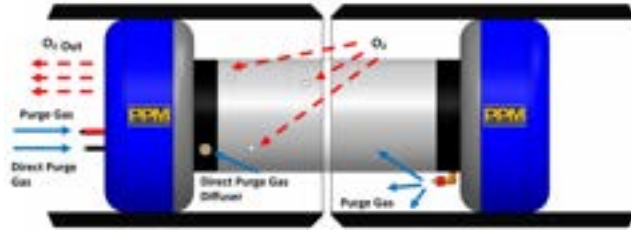
- Dramatic savings of time, gas and money can be made by using these systems.
- **Typical purge times of less than 10 minutes!**
- The unique thru-bore design of the central sleeve minimizes the area to be purged, dramatically reducing the gas consumption
- Friction free coatings allow easy movement through pipes from one joint to another, even around bends and elbows
- Ready to use, connects to a dedicated and regulated gas supply. Choose any flow rate up to 80 l/min through the twin pre-set purge valve
- A central luminous strip allows fast and accurate alignment of the system to the center-point of the weld area
- The inflatable dams and umbilical hose are covered with a heat resistant material and insulated accordingly for use at temperatures up to 250°C



How it works

The Rapid Purge™ system for pipe and vessel purging comprises a tandem inflatable dam system connected by an umbilical hose and collar to reduce the volume being purged. A gas exhaust valve is installed between the primary and secondary dam, along with an auxiliary argon purge line. This Rapid Purge™ system valve is pre-set, making it ready to use 'straight out of the box'. Each Rapid Purge™ system is covered with heat protective material, so that the higher temperatures closer to the weld do not damage the system.

The robust design of the Rapid Purge™ system allows for many years of repeatable trouble free use.



Sizing and specification

PART NO	DESCRIPTION	NOMINAL PIPE SIZE		INTERNAL DIAMETER RANGE (I/D)		WEIGHT (LBS. / KG)	
RP08	8" Rapid Purge system	200 mm	8"	7.09" - 8.45"	180 - 215 mm	3 lbs.	1.40 kg
RP10	10" Rapid Purge system	250 mm	10"	9.26" - 10.61"	235 - 270 mm	3 lbs.	1.70 kg
RP12	12" Rapid Purge system	300 mm	12"	11.03" - 12.39"	280 - 315 mm	4 lbs.	2.10 kg
RP14	14" Rapid Purge system	350 mm	14"	12.41" - 13.76"	315 - 350 mm	5 lbs.	2.50 kg
RP16	16" Rapid Purge system	400 mm	16"	14.38" - 15.73"	365 - 400 mm	5 lbs.	2.70 kg
RP18	18" Rapid Purge system	450 mm	18"	16.34" - 17.70"	415 - 450 mm	6 lbs.	3.00 kg
RP20	20" Rapid Purge system	500 mm	20"	18.31" - 19.67"	465 - 500 mm	7 lbs.	3.40 kg
RP22	22" Rapid Purge system	550 mm	22"	19.69" - 21.05"	500 - 535 mm	7 lbs.	3.60 kg
RP24	24" Rapid Purge system	600 mm	24"	22.45" - 23.80"	570 - 605 mm	8 lbs.	3.80 kg
RP26	26" Rapid Purge system	650 mm	26"	24.41" - 25.77"	620 - 655 mm	9 lbs.	4.50 kg
RP28	28" Rapid Purge system	700 mm	28"	26.38" - 27.74"	670 - 705 mm	12 lbs.	5.50 kg
RP30	30" Rapid Purge system	750 mm	30"	28.35" - 29.71"	720 - 755 mm	13 lbs.	6.00 kg
RP32	32" Rapid Purge system	800 mm	32"	30.32" - 31.68"	770 - 805 mm	18 lbs.	8.00 kg
RP34	34" Rapid Purge system	850 mm	34"	32.48" - 33.86"	825 - 860 mm	19 lbs.	8.50 kg
RP36	36" Rapid Purge system	900 mm	36"	34.45" - 35.81"	875 - 910 mm	20 lbs.	9.10 kg
RP38	38" Rapid Purge system	950 mm	38"	36.61" - 37.99"	930 - 965 mm	21 lbs.	9.50 kg
RP40	40" Rapid Purge system	1,000 mm	40"	38.98" - 39.95"	990 - 1015 mm	22 lbs.	9.90 kg
RP42	42" Rapid Purge system	1,050 mm	42"	40.56" - 41.91"	1,030 - 1,065 mm	29 lbs.	13.20 kg
RP44	44" Rapid Purge system	1,100 mm	44"	42.52" - 43.90"	1,080 - 1,115 mm	30 lbs.	13.70 kg
RP46	46" Rapid Purge system	1,150 mm	46"	44.29" - 45.67"	1,125 - 1,160 mm	32 lbs.	14.50 kg
RP48	48" Rapid Purge system	1,200 mm	48"	46.46" - 47.82"	1,180 - 1,215 mm	33 lbs.	15.00 kg
RP50	50" Rapid Purge system	1,250 mm	50"	48.42" - 49.80"	1,230 - 1,265 mm	35 lbs.	16.00 kg
RP52	52" Rapid Purge system	1,300 mm	52"	50.59" - 51.97"	1,285 - 1,320 mm	37 lbs.	17.00 kg
RP54	54" Rapid Purge system	1,350 mm	54"	52.36" - 53.74"	1,330 - 1,365 mm	39 lbs.	18.00 kg
RP60	60" Rapid Purge system	1,500 mm	60"	58.46" - 59.84"	1,485 - 1,520 mm	44 lbs.	20.00 kg
RP66	66" Rapid Purge system	1,650 mm	66"	64.38" - 65.73"	1,635 - 1,670 mm	55 lbs.	25.00 kg
RP72	72" Rapid Purge system	1,800 mm	72"	70.27" - 71.65"	1,785 - 1,820 mm	62 lbs.	28.00 kg
RP80	80" Rapid Purge system	2,000 mm	80"	78.35" - 79.72"	1,990 - 2,025 mm	66 lbs.	30.00 kg

(Larger sizes and specials available upon request with 35 mm / 1.37" expansion range)

Systems for the fast purging of high temperature pipework

The PPM Purge Bag and Rapid Purge™ systems are both available in heat resistant version. They are designed to use when high temperatures will be encountered during the process of pipe welding; such as pre-heated pipework, and pipes where very high temperatures are required for welding.

These versions of the inflatable pipe purging systems are heat resistant up to 350°C (662°F) for up to 24 hours, or up to 500°C (932°F) for short periods of time. The heat resistant systems are available for all pipe diameters from 3" - 80" (63 - 2,035 mm).

Mirroring the features of the standard range of inflatable purging systems, the heat resistant range comes with a central luminous band for rapid centering of the system to the weld root.

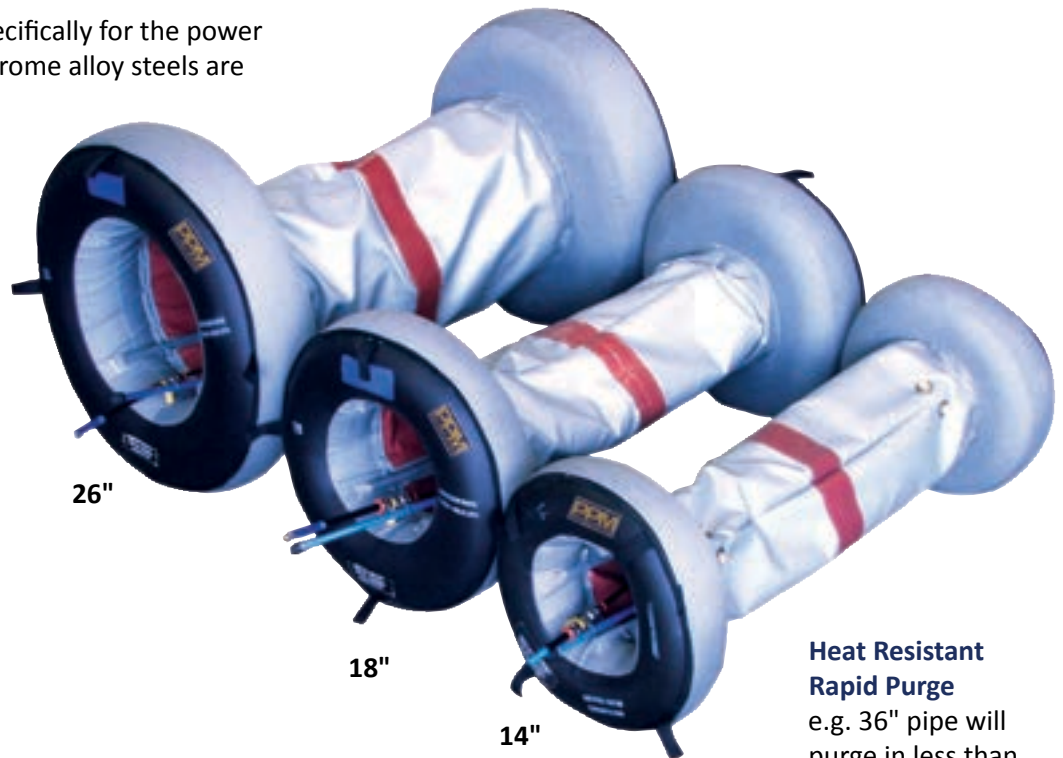
The welder can position these systems prior to pre-heating and leave them in place throughout the pre-heating, welding and post-heat treatment cycles, allowing the weld to be purged continuously for up to 24 hours if necessary.



e.g. 6" pipe will purge in less than 4 minutes!

Features and advantages

- Heat resistant up to 350°C (662°F) for up to 24 hours, or up to 500°C (932°F) for short periods
- Available for all pipe diameters from 3" to 80" (63 to 2,044 mm)
- Designed to be flexible, for ease of insertion, use and withdrawal from pipes, bends, elbows etc.
- Suitable for 24 hour cycles including pre-heat, welding and post-weld heat treatment
- A central luminous strip allows fast and accurate alignment of the system to the center-point of the weld area
- Manufactured to nuclear quality standards with nuclear approved materials, these systems guarantee bright, shiny, coke and oxide-free welds
- Designed and manufactured specifically for the power industry where high strength chrome alloy steels are more frequently used
- Ready to use, connects to a dedicated and regulated gas supply.
Choose any flow rate (purge bags - up to 20l/min/Rapid Purge™ up to 80l/min) through the twin pre-set purge valve

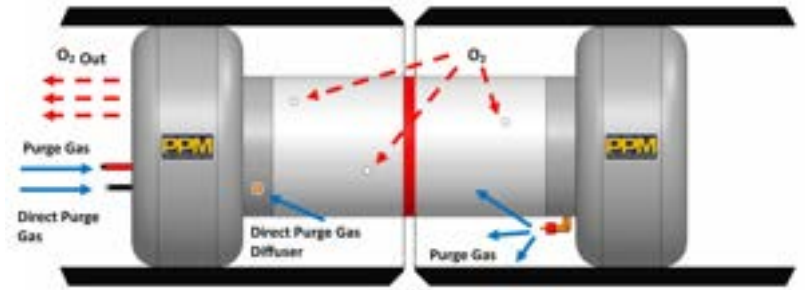


Heat Resistant Rapid Purge
e.g. 36" pipe will purge in less than 10 minutes!



How it works

Both the heat resistant Purge Bag system and the heat resistant Rapid Purge™ system work identically to the standard systems, but are made of a purposely designed Nomex and Kevlar mix material to withstand the temperatures typically encountered when welding exotic materials.



Purge Bag Heat Resistant sizing and specification

PART NO	DESCRIPTION	NOMINAL PIPE SIZE		INTERNAL DIAMETER RANGE (I/D)		WEIGHT (LBS. / KG)	
PB02/HR	2" Purge Bag - Heat Resistant to 500 degrees	50 mm	2"	1.49" - 2.37"	38 - 60 mm	1 lbs.	0.40 kg
PB03/HR	3" Purge Bag - Heat Resistant to 500 degrees	75 mm	3"	2.17" - 3.53"	55 - 90 mm	1 lbs.	0.50 kg
PB04/HR	4" Purge Bag - Heat Resistant to 500 degrees	100 mm	4"	3.51" - 4.51"	89 - 115 mm	1 lbs.	0.60 kg
PB05/HR	5" Purge Bag - Heat Resistant to 500 degrees	125 mm	5"	4.14" - 5.50"	105 - 140 mm	1 lbs.	0.70 kg
PB06/HR	6" Purge Bag - Heat Resistant to 500 degrees	150 mm	6"	5.32" - 6.68"	135 - 170 mm	2 lbs.	0.90 kg
PB07/HR	7" Purge Bag - Heat Resistant to 500 degrees	175 mm	7"	6.30" - 7.66"	160 - 195 mm	2 lbs.	1.20 kg

(Larger sizes and specials available upon request with 35 mm / 1.37" expansion range)

Rapid Purge™ Heat Resistant sizing and specification

PART NO	DESCRIPTION	NOMINAL PIPE SIZE		INTERNAL DIAMETER RANGE (I/D)		WEIGHT (LBS. / KG)	
RP08/HR	8" Rapid Purge - Heat Resistant up to 500 degrees	200 mm	8"	7.09" - 8.45"	180 - 215 mm	3 lbs.	1.40 kg
RP10/HR	10" Rapid Purge - Heat Resistant up to 500 degrees	250 mm	10"	9.26" - 10.61"	235 - 270 mm	3 lbs.	1.70 kg
RP12/HR	12" Rapid Purge - Heat Resistant up to 500 degrees	300 mm	12"	11.03" - 12.39"	280 - 315 mm	4 lbs.	2.10 kg
RP14/HR	14" Rapid Purge - Heat Resistant up to 500 degrees	350 mm	14"	12.41" - 13.76"	315 - 350 mm	5 lbs.	2.50 kg
RP16/HR	16" Rapid Purge - Heat Resistant up to 500 degrees	400 mm	16"	14.38" - 15.73"	365 - 400 mm	5 lbs.	2.70 kg
RP18/HR	18" Rapid Purge - Heat Resistant up to 500 degrees	450 mm	18"	16.34" - 17.70"	415 - 450 mm	6 lbs.	3.00 kg
RP20/HR	20" Rapid Purge - Heat Resistant up to 500 degrees	500 mm	20"	18.31" - 19.67"	465 - 500 mm	7 lbs.	3.40 kg
RP22/HR	22" Rapid Purge - Heat Resistant up to 500 degrees	550 mm	22"	19.69" - 21.05"	500 - 535 mm	7 lbs.	3.60 kg
RP24/HR	24" Rapid Purge - Heat Resistant up to 500 degrees	600 mm	24"	22.45" - 23.80"	570 - 605 mm	8 lbs.	3.80 kg
RP26/HR	26" Rapid Purge - Heat Resistant up to 500 degrees	650 mm	26"	24.41" - 25.77"	620 - 655 mm	9 lbs.	4.50 kg
RP28/HR	28" Rapid Purge - Heat Resistant up to 500 degrees	700 mm	28"	26.38" - 27.74"	670 - 705 mm	12 lbs.	5.50 kg
RP30/HR	30" Rapid Purge - Heat Resistant up to 500 degrees	750 mm	30"	28.35" - 29.71"	720 - 755 mm	13 lbs.	6.00 kg
RP32/HR	32" Rapid Purge - Heat Resistant up to 500 degrees	800 mm	32"	30.32" - 31.68"	770 - 805 mm	18 lbs.	8.00 kg
RP34/HR	34" Rapid Purge - Heat Resistant up to 500 degrees	850 mm	34"	32.48" - 33.86"	825 - 860 mm	19 lbs.	8.50 kg
RP36/HR	36" Rapid Purge - Heat Resistant up to 500 degrees	900 mm	36"	34.45" - 35.81"	875 - 910 mm	20 lbs.	9.10 kg
RP38/HR	38" Rapid Purge - Heat Resistant up to 500 degrees	950 mm	38"	36.61" - 37.99"	930 - 965 mm	21 lbs.	9.50 kg
RP40/HR	40" Rapid Purge - Heat Resistant up to 500 degrees	1,000 mm	40"	38.98" - 39.95"	990 - 1015 mm	22 lbs.	9.90 kg
RP42/HR	42" Rapid Purge - Heat Resistant up to 500 degrees	1,050 mm	42"	40.56" - 41.91"	1,030 - 1,065 mm	29 lbs.	13.20 kg
RP44/HR	44" Rapid Purge - Heat Resistant up to 500 degrees	1,100 mm	44"	42.52" - 43.90"	1,080 - 1,115 mm	30 lbs.	13.70 kg
RP46/HR	46" Rapid Purge - Heat Resistant up to 500 degrees	1,150 mm	46"	44.29" - 45.67"	1,125 - 1,160 mm	32 lbs.	14.50 kg
RP48/HR	48" Rapid Purge - Heat Resistant up to 500 degrees	1,200 mm	48"	46.46" - 47.82"	1,180 - 1,215 mm	33 lbs.	15.00 kg
RP50/HR	50" Rapid Purge - Heat Resistant up to 500 degrees	1,250 mm	50"	48.42" - 49.80"	1,230 - 1,265 mm	35 lbs.	16.00 kg
RP52/HR	52" Rapid Purge - Heat Resistant up to 500 degrees	1,300 mm	52"	50.59" - 51.97"	1,285 - 1,320 mm	37 lbs.	17.00 kg
RP54/HR	54" Rapid Purge - Heat Resistant up to 500 degrees	1,350 mm	54"	52.36" - 53.74"	1,330 - 1,365 mm	39 lbs.	18.00 kg
RP60/HR	60" Rapid Purge - Heat Resistant up to 500 degrees	1,500 mm	60"	58.46" - 59.84"	1,485 - 1,520 mm	44 lbs.	20.00 kg
RP72/HR	72" Rapid Purge - Heat Resistant up to 500 degrees	1,800 mm	72"	70.27" - 71.65"	1,785 - 1,820 mm	62 lbs.	28.00 kg
RP80/HR	80" Rapid Purge - Heat Resistant up to 500 degrees	2,000 mm	80"	78.35" - 79.72"	1,990 - 2,025 mm	66 lbs.	30.00 kg

(Larger sizes and specials available upon request with 35 mm / 1.37" expansion range)



Purge pipes fast with minimal gas usage

PPM also manufactures the silicone Double Seal purging system that has been designed to further reduce both inert gas use and purging time. This system uses silicon discs to form an airtight seal, reducing purge times and gas usage for maximum efficiency.

There are 2 styles of silicon Double Seal systems available:

- the Gas Finger system is designed for small pipes and tubes from 16 - 38 mm i/d
- the Double Seal system is made for pipes from ¾ - 12" (16 - 320 mm)

Features and advantages

- Extremely short purge times resulting in valuable cost savings
- Typical purge times of less than 2 minutes (e.g. an 8" pipe will purge to below 0.01% oxygen in less than 2 minutes)
- High quality silicon sealing disks that prevent them tilting or falling over inside the pipe
- Guaranteed gas tight seal
- UV and temperature resistant up to 330°C continuously or 450°C for short periods
- Suitable for purging pipes, elbows and fittings
- The silicon seal units can be separated and used as a gas finger and pipe stopper respectively
- Fully interchangeable and individually exchangeable system, reducing cost of ownership



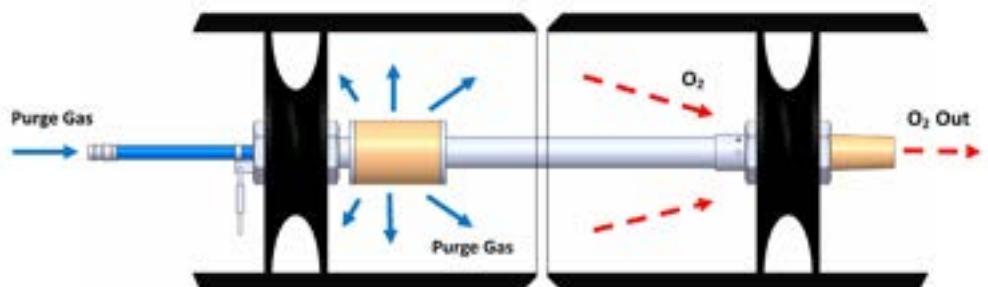
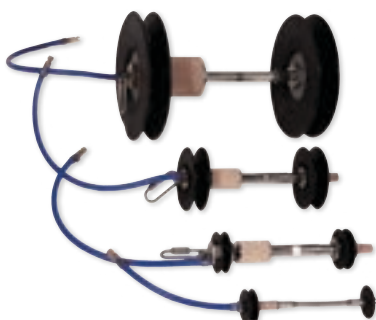
Available as a kit in 3 sizes:
 DSK16-165 (16 - 165 mm i/d)
 DSK16-220 (16 - 220 mm i/d)
 DSK16-320 (16 - 320 mm i/d)

How it works

The gas inlet and outlet are provided with twin sealing discs separated by a flexible, rigid or a spring-type tube. The design guarantees that at least one disc will always remain tight to the pipe wall creating a 100% seal. The discs are UV and temperature-resistant up to 330°C (626°F) continuously or up to 450°C (824°F) for short periods. The gas is diffused into the chamber via the built-in sintered diffuser and exits through the exhaust holes in the secondary twin disc unit.

This extremely short process of gas diffusion provides an equal gas flow and prevents any gas turbulence behind the weld, thereby minimising the risk of oxygen re-entering the welding chamber.

Besides the very short purging time, the double seal system also offers the possibility to cover various nominal pipe diameters by one pair of seals enabling highly economic use of the device. The double seal system can be purchased individually or in kit form for a range of pipe diameters.



Double Seal kits sizing and specification - **RECOMMENDED**

PART NO	DESCRIPTION	PIPE I/D RANGE		WEIGHT (LBS. / KG)		CONNECTOR LENGTH
DSK16-165	Double Seal Kit - complete kit 16 - 165 mm i/d	0.62" - 6.49"	16 - 165 mm	24 lbs.	11.00 kg	Variable - check kit list
DSK16-220	Double Seal Kit - complete kit 16 - 220 mm i/d	0.62" - 8.66"	16 - 220 mm	33 lbs.	15.00 kg	Variable - check kit list
DSK16-320	Double Seal Kit - complete kit 16 - 320 mm i/d	0.62" - 12.59"	16 - 320 mm	42 lbs.	19.00 kg	Variable - check kit list

Double Seal Gas Fingers

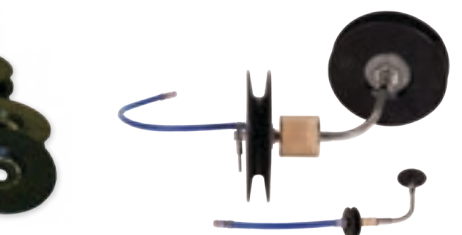
PART NO	DESCRIPTION	PIPE I/D RANGE		WEIGHT (LBS. / KG)		CONNECTOR LENGTH
DSF16-19	Double Seal Gas Finger 16 - 19 mm i/d	0.62" - 0.74"	16 - 19 mm	0.5 lbs.	0.20 kg	n/a
DSF19-24	Double Seal Gas Finger 19 - 24 mm i/d	0.74" - 0.94"	19 - 24 mm	0.5 lbs.	0.20 kg	n/a
DSF24-29	Double Seal Gas Finger 24 - 29 mm i/d	0.94" - 1.14"	24 - 29 mm	0.5 lbs.	0.20 kg	n/a
DSF29-34	Double Seal Gas Finger 29 - 34 mm i/d	1.14" - 1.33"	29 - 34 mm	0.6 lbs.	0.30 kg	n/a
DSF34-38	Double Seal Gas Finger 34 - 38 mm i/d	1.33" - 1.49"	34 - 38 mm	0.6 lbs.	0.30 kg	n/a

Sizing and specification

PART NO.	DESCRIPTION	PIPE I/D RANGE		WEIGHT (LBS. / KG)		CONNECTOR LENGTH
DS16-19	Double Seal purge system - Flexible 16 - 19 mm i/d	0.62" - 0.74"	16 - 19 mm	1.5 lbs.	0.65 kg	3.94" / 100 mm
DS19-24	Double Seal purge system - Flexible 19 - 24 mm i/d	0.74" - 0.94"	19 - 24 mm	1.5 lbs.	0.70 kg	3.94" / 100 mm
DS24-29	Double Seal purge system - Flexible 24 - 29 mm i/d	0.94" - 1.14"	24 - 29 mm	1.5 lbs.	0.75 kg	3.94" / 100 mm
DS29-34	Double Seal purge system - Flexible 29 - 34 mm i/d	1.14" - 1.33"	29 - 34 mm	1.5 lbs.	0.75 kg	3.94" / 100 mm
DS34-38	Double Seal purge system - Flexible 34 - 38 mm i/d	1.33" - 1.49"	34 - 38 mm	1.5 lbs.	0.80 kg	3.94" / 100 mm
DS38-43 to DS290-320 are supplied with rigid connector as standard, flexible on request						
DS38-43	Double Seal purge system - Rigid 38 - 43 mm i/d	1.49" - 1.69"	38 - 43 mm	1.5 lbs.	0.85 kg	3.94" / 100 mm
DS43-48	Double Seal purge system - Rigid 43 - 48 mm i/d	1.69" - 1.88"	43 - 48 mm	2 lbs.	0.90 kg	3.94" / 100 mm
DS47-53	Double Seal purge system - Rigid 47 - 53 mm i/d	1.85" - 2.08"	47 - 53 mm	2 lbs.	0.95 kg	3.94" / 100 mm
DS52-58	Double Seal purge system - Rigid 52 - 58 mm i/d	2.04" - 2.28"	52 - 58 mm	2 lbs.	1.00 kg	3.94" / 100 mm
DS64-72	Double Seal purge system - Rigid 64 - 72 mm i/d	2.51" - 2.83"	64 - 72 mm	2 lbs.	1.10 kg	3.94" / 100 mm
DS78-86	Double Seal purge system - Rigid 78 - 86 mm i/d	3.07" - 3.38"	78 - 86 mm	3 lbs.	1.20 kg	3.94" / 100 mm
DS90-101	Double Seal purge system - Rigid 90 - 101 mm i/d	3.54" - 3.97"	90 - 101 mm	3 lbs.	1.30 kg	3.94" / 100 mm
DS100-112	Double Seal purge system - Rigid 100 - 112 mm i/d	3.93" - 4.40"	100 - 112 mm	3 lbs.	1.40 kg	3.94" / 100 mm
DS120-130	Double Seal purge system - Rigid 120 - 130 mm i/d	4.72" - 5.11"	120 - 130 mm	3 lbs.	1.50 kg	3.94" / 100 mm
DS124-138	Double Seal purge system - Rigid 124 - 138 mm i/d	4.88" - 5.43"	124 - 138 mm	3 lbs.	1.60 kg	3.94" / 100 mm
DS144-155	Double Seal purge system - Rigid 144 - 155 mm i/d	5.66" - 6.10"	144 - 155 mm	4 lbs.	1.70 kg	3.94" / 100 mm
DS150-165	Double Seal purge system - Rigid 150 - 165 mm i/d	5.90" - 6.49"	150 - 165 mm	4 lbs.	1.80 kg	7.08" / 180 mm
DS197-206	Double Seal purge system - Rigid 197 - 206 mm i/d	7.75" - 8.11"	197 - 206 mm	4 lbs.	2.00 kg	7.08" / 180 mm
DS209-220	Double Seal purge system - Rigid 209 - 220 mm i/d	8.22" - 8.66"	209 - 220 mm	5 lbs.	2.20 kg	7.08" / 180 mm
DS246-257	Double Seal purge system - Rigid 246 - 257 mm i/d	9.68" - 10.11"	246 - 257 mm	5 lbs.	2.40 kg	7.08" / 180 mm
DS260-280	Double Seal purge system - Rigid 260 - 280 mm i/d	10.23" - 11.02"	260 - 280 mm	5 lbs.	2.60 kg	7.08" / 180 mm
DS290-320	Double Seal purge system - Rigid 290 - 320 mm i/d	11.41" - 12.59"	290 - 320 mm	6 lbs.	3.00 kg	7.08" / 180 mm



Single Gas Finger for smaller pipe and tubes



Shown with flexible hose connection for purging elbows and fittings.



PURGE OXYGEN MONITOR





HANDY PURGE 100 SELF CALIBRATING WELD PURGE MONITOR

Measures oxygen levels down to 0.01% (100ppm)

SELF CALIBRATING

The entry level, welders' toolbox monitor

Inert gas welding requires the exclusion of oxygen from the weld zone during the welding process. Prior to the welding process, the residual oxygen concentration must be reduced to a required minimum. The Handy Purge 100 is specifically designed to indicate oxygen concentration up to 0.01% and to exactly measure oxygen concentration up to 0.1%. Within this range, it is absolutely safe to weld and produce an oxygen-free weld seam (exceptions include special metals such as titanium, zirconium, etc.).

The Handy Purge 100 can be used both for continuous monitoring during the welding process and for taking samples. Routine inspections for quality control are extremely simplified using this device. The analyser works with all purge systems and argon welding systems. It is small, easy to handle and has a rugged enclosure.

Features and advantages

- Self calibrating
- Minimum waiting time. The device indicates exactly when the residual oxygen concentration of a purge gas is low enough to start welding.
- Reduced purge gas consumption. Exact monitoring of the residual oxygen avoids unnecessary purge gas consumption and allows producing oxygen-free weld seams
- Top-quality weld seams
- Top quality is guaranteed, as too early welding and hence porous, coloured or even charred weld seams can be avoided
- Duplex / stainless steel. The Handy Purge 100 can be used for all stainless steel, duplex and certain titanium welding applications
- Eliminates guess work



NEW AND IMPROVED



Plastic carry case box (HP100SCP7)



Replacement sensor (HP100SCS)

The kit consists of:

- Handy Purge 100 Monitor
- 1 m hose with flow adapter
- Stainless steel probe
- Vacuum hand pump
- Plastic carry case
- Instructions
- Calibration certificate

Technical specification

DESCRIPTION	MEASUREMENTS
Part Number	HP100SC
Measuring range	0.01 % - 20.9 % Oxygen (O ₂) (10ppm - 209,000ppm)
Accuracy	at 20% ± 0.2% at 2% ± 0.02%
Dimensions	6" x 3" x 1" / 155 x 81 x 38 mm
Power source	Battery type PP3 9V
Display	LCD (Liquid Crystal Display)
Weight	0.5 lbs. / 0.20 kg
SHIPPING WEIGHTS AND DIMENSIONS	
Dimensions	9.05" x 7.48" x 1.96" / 230 x 190 x 50 mm
Weight	1.5 lbs. / 0.60 kg



PIPE STOPPERS



Expandable test plugs for purging and general pipe blocking

Pipe stoppers (or drain plugs) are used to temporarily seal the end of a pipe or opening for many different testing applications. Pipe stoppers are mainly used to seal off from water, gases and foreign objects in newly laid pipes, or pipework systems that are under repair.

PPM's range of pipe stoppers is available in a number of different styles to suit many applications for pipe sizes from 1½ - 72" (38 mm - 1,829 mm). Special pipe stoppers are also available for pressure testing.

How it works

The pipe stopper consists of a central spindle/shaft on which two plates are fitted with a natural rubber tyre (ring) between them. A wing nut on the shaft moves the two plates together, compressing the tyre and making the seal in the pipe. These stoppers can also be supplied with a hollow shaft version for screwing on standard hose connections or for using fixed or free nipple caps.

Expandable pipe stoppers are available in three different types.

Nylon plugs - 1½ - 6" (38 mm - 150 mm)

Nylon plugs are the standard drain plugs for testing leak tightness of foul water lines at the time of installation. Furthermore, the range of sizes make these plugs ideal for a number of other applications in the water and gas industries as well as applications in all other industries where pipes are used or where there are holes to be blocked.



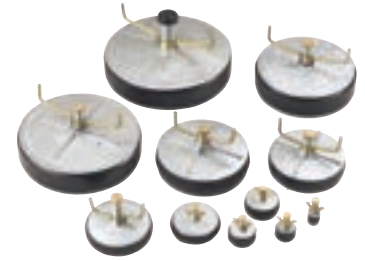
Nylon expanding pipe stopper specification

PART NO.	PIPE SIZE INTERNAL NOMINAL DIAMETER		WILL FIT PIPES WITH INTERNAL DIAMETER		MINIMUM INSERTION INTO PIPE	OVERALL LENGTH	DIAMETER OF WATERWAY	MAXIMUM ALLOWABLE BACK PRESSURE	WEIGHT (LBS. / KG)	
NES38	1½"	38 mm	1.49 - 1.65"	38 - 42 mm	36 mm	58 mm	n/a solid	15 psi	1 lbs.	0.05 kg
NES50	2"	50 mm	1.90 - 2.44"	48.5 - 62.2 mm	36 mm	110 mm	0.5" bsp	15 psi	1 lbs.	0.05 kg
NES63	2½"	63 mm	2.55 - 3.03"	65 - 77 mm	36 mm	110 mm	0.5" bsp	10 psi	1 lbs.	0.10 kg
NES75	3"	75 mm	2.91 - 3.38"	74 - 86 mm	36 mm	110 mm	0.5" bsp	10 psi	1 lbs.	0.10 kg
NES88	3½"	88 mm	3.22 - 3.77"	82 - 96 mm	36 mm	110 mm	0.5" bsp	10 psi	1 lbs.	0.10 kg
NES100	4"	100 mm	3.74 - 4.13"	95 - 105 mm	36 mm	110 mm	0.5" bsp	5 psi	1 lbs.	0.15 kg
NES115	4½"	115 mm	4.48 - 4.88"	114 - 124 mm	36 mm	110 mm	0.5" bsp	5 psi	1 lbs.	0.20 kg
NES125	5"	125 mm	4.60 - 5.00"	117 - 127 mm	40 mm	110 mm	0.5" bsp	5 psi	1 lbs.	0.20 kg
NES150	6"	150 mm	5.74 - 6.10"	146 - 155 mm	42 mm	110 mm	0.5" bsp	5 psi	1 lbs.	0.25 kg

All plugs conform to British Standards BS8005 for low pressure testing and sealing of pipes.

Aluminium plugs - 1½ - 24" (40 mm - 600 mm)

To complement the range of nylon expanding plugs, we offer all sizes of aluminium plugs. These are provided in sizes from 1½" (40 mm) upwards and are suitable for more heavy duty applications, heat resistant up to 90°. These plugs are typically used for general sealing of pipes and purging.



Aluminium expanding pipe stopper specification

PART NO.	PIPE SIZE INTERNAL NOMINAL DIAMETER		WILL FIT PIPES WITH INTERNAL DIAMETER		MINIMUM INSERTION INTO PIPE	OVERALL LENGTH	DIAMETER OF WATERWAY	MAXIMUM ALLOWABLE BACK PRESSURE	WEIGHT (LBS. / KG)	
	INCH	MM	MIN	MAX					LBS.	KG
AES1.5	1½"	40 mm	1.49 - 1.96"	38 - 50 mm	45 mm	94 mm	½"	30 psi	1 lbs.	0.17 kg
AES2	2"	50 mm	1.92 - 2.44"	49 - 62 mm	43 mm	90 mm	½"	30 psi	1 lbs.	0.22 kg
AES2.5	2½"	65 mm	2.44 - 3.03"	62 - 77 mm	43 mm	92 mm	½"	30 psi	1 lbs.	0.27 kg
AES3	3"	75 mm	2.87 - 3.50"	73 - 89 mm	43 mm	94 mm	½"	20 psi	1 lbs.	0.31 kg
AES3.5	3½"	90 mm	3.30 - 4.05"	84 - 103 mm	53 mm	96 mm	½"	15 psi	1 lbs.	0.36 kg
AES4	4"	100 mm	3.70 - 4.33"	94 - 110 mm	47 mm	94 mm	½"	10 psi	1 lbs.	0.36 kg
AES4.5	4½"	114 mm	4.40 - 5.11"	112 - 130 mm	56 mm	140 mm	½"	10 psi	1 lbs.	0.47 kg
AES5	5"	125 mm	4.92 - 5.59"	125 - 142 mm	60 mm	95 mm	½"	10 psi	1 lbs.	0.79 kg
AES6	6"	150 mm	5.74 - 6.61"	146 - 168 mm	48 mm	96 mm	½"	10 psi	1 lbs.	0.70 kg
AES7	7"	175 mm	6.88 - 7.87"	175 - 200 mm	64 mm	100 mm	1"	7 psi	4 lbs.	1.92 kg
AES8	8"	200 mm	7.59 - 8.66"	193 - 220 mm	64 mm	100 mm	1"	7 psi	3 lbs.	1.59 kg
AES9	9"	225 mm	8.66 - 9.44"	220 - 240 mm	64 mm	170 mm	1"	7 psi	4 lbs.	2.06 kg
AES10	10"	250 mm	9.64 - 10.62"	245 - 270 mm	73 mm	178 mm	1"	7 psi	5 lbs.	2.52 kg
AES11	11"	275 mm	10.78 - 12.91"	274 - 328 mm	100 mm	200 mm	1"	7 psi	7 lbs.	3.45 kg
AES12	12"	300 mm	11.61 - 12.79"	295 - 325 mm	77 mm	200 mm	1"	7 psi	7 lbs.	3.42 kg
AES13	13"	325 mm	12.79 - 14.17"	325 - 360 mm	120 mm	230 mm	1"	5 psi	10 lbs.	4.75 kg
AES14	14"	350 mm	13.77 - 15.15"	350 - 385 mm	110 mm	215 mm	1"	5 psi	15 lbs.	6.95 kg
AES15	15"	375 mm	14.56 - 16.14"	370 - 410 mm	110 mm	225 mm	1"	5 psi	11 lbs.	5.35 kg
AES16	16"	400 mm	15.35 - 17.12"	390 - 435 mm	110 mm	225 mm	1"	5 psi	13 lbs.	5.90 kg
AES18	18"	450 mm	17.51 - 19.48"	445 - 495 mm	110 mm	225 mm	2"	5 psi	19 lbs.	8.75 kg
AES20	20"	500 mm	19.48 - 21.65"	495 - 550 mm	145 mm	255 mm	2"	5 psi	24 lbs.	11.3 kg
AES21	21"	525 mm	19.48 - 21.65"	495 - 550 mm	145 mm	255 mm	2"	3 psi	24 lbs.	11.3 kg
AES24	24"	600 mm	21.65 - 25.59"	595 - 650 mm	145 mm	255 mm	2"	3 psi	34 lbs.	15.85 kg

All plugs conform to British Standards BS8005 for low pressure testing and sealing of pipes.

Steel plugs - 1½ - 36" (40 mm - 900 mm)

(Larger sizes available upon request)

PPM also manufactures a range of steel plugs from 1½" (40 mm) upwards in diameter. These plugs are typically suitable for more heavy duty applications, heat resistant up to 90°. These plugs are typically used for general sealing of pipes and purging.



**Steel
multi-lock
stopper**

Steel expanding pipe stopper specification

PART NO.	PIPE SIZE INTERNAL NOMINAL DIAMETER		WILL FIT PIPES WITH INTERNAL DIAMETER		MINIMUM INSERTION INTO PIPE	OVERALL LENGTH	DIAMETER OF WATERWAY	MAXIMUM ALLOWABLE BACK PRESSURE	WEIGHT (LBS. / KG)	
SES1.5	1½"	40 mm	1.45 - 1.96"	37 - 50 mm	31 mm	81.5 mm	½"	30 psi	1 lbs.	0.16 kg
SES2	2"	50 mm	1.96 - 2.40"	50 - 61 mm	32.7 mm	82.8 mm	½"	30 psi	1 lbs.	0.18 kg
SES2.5	2½"	65 mm	2.40 - 2.95"	61 - 75 mm	33.2 mm	80.5 mm	½"	30 psi	1 lbs.	0.26 kg
SES3	3"	75 mm	2.87 - 3.34"	73 - 85 mm	34 mm	80.5 mm	½"	20 psi	1 lbs.	0.28 kg
SES3.5	3½"	89 mm	3.30 - 3.93"	84 - 100 mm	41 mm	81 mm	½"	15 psi	1 lbs.	0.36 kg
SES4	4"	100 mm	3.70 - 4.25"	94 - 108 mm	37.5 mm	83.3 mm	½"	10 psi	1 lbs.	0.41 kg
SES4.5	4½"	114 mm	4.33 - 4.92"	110 - 125 mm	40 mm	83.3 mm	½"	10 psi	1 lbs.	0.58 kg
SES5	5"	125 mm	4.88 - 5.47"	124 - 139 mm	37 mm	83.3 mm	½"	10 psi	1 lbs.	0.60 kg
SES6	6"	150 mm	5.90 - 6.29"	150 - 160 mm	39.7 mm	83.3 mm	½"	10 psi	2 lbs.	0.75 kg
SES7	7"	175 mm	6.88 - 7.87"	175 - 200 mm	46 mm	130 mm	1"	7 psi	3 lbs.	1.56 kg
SES8	8"	200 mm	7.67 - 8.46"	195 - 215 mm	37 mm	130 mm	1"	7 psi	3 lbs.	1.47 kg
SES9	9"	225 mm	8.26 - 9.05"	210 - 230 mm	58 mm	150 mm	1"	7 psi	4 lbs.	1.93 kg
SES10	10"	250 mm	9.64 - 10.23"	245 - 260 mm	55 mm	150 mm	1"	7 psi	6 lbs.	2.55 kg
SES12	12"	300 mm	11.65 - 12.59"	296 - 320 mm	85 mm	150 mm	1"	7 psi	8 lbs.	3.72 kg
SES14	14"	350 mm	13.38 - 15.15"	340 - 385 mm	85 mm	210 mm	1"	5 psi	14 lbs.	6.54 kg
SES15	15"	375 mm	14.56 - 16.33"	370 - 415 mm	100 mm	210 mm	1"	5 psi	15 lbs.	7.00 kg
SES16	16"	400 mm	15.35 - 16.92"	390 - 430 mm	95 mm	210 mm	1"	5 psi	19 lbs.	8.45 kg
SES18	18"	450 mm	17.63 - 19.48"	448 - 495 mm	100 mm	220 mm	1"	5 psi	23 lbs.	10.6 kg

BELOW STOPPERS ARE MULTI-LOCK

SES20	20"	500 mm	19.29 - 20.86"	490 - 530 mm	95 mm	126 mm	2"	5 psi	23 lbs.	10.38 kg
SES21	21"	525 mm	20.27 - 21.85"	515 - 555 mm	95 mm	126 mm	2"	3 psi	25 lbs.	11.28 kg
SES24	24"	600 mm	23.22 - 24.80"	590 - 630 mm	95 mm	126 mm	2"	3 psi	34 lbs.	15.57 kg
SES28	28"	700 mm	27.16 - 28.74"	690 - 730 mm	95 mm	126 mm	2"	3 psi	44 lbs.	19.90 kg
SES30	30"	750 mm	29.13 - 30.70"	740 - 780 mm	95 mm	126 mm	2"	3 psi	55 lbs.	25.09 kg
SES32	32"	800 mm	31.10 - 32.67"	790 - 830 mm	95 mm	125 mm	2"	3 psi	64 lbs.	28.90 kg
SES36	36"	900 mm	35.03 - 36.61"	890 - 930 mm	95 mm	126 mm	2"	3 psi	77 lbs.	35.08 kg

(Larger sizes available upon request)

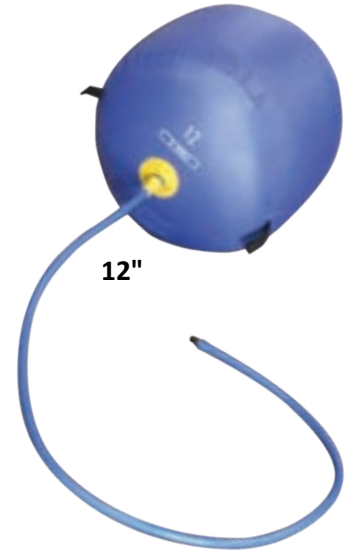
All plugs conform to British Standards BS8005 for low pressure testing and sealing of pipes.

Single inflatable dams for blocking and testing

PPM offers a range of inflatable stoppers in various shapes and sizes, suitable for many applications. Made from a natural rubber bladder covered in waterproof polyurethane coated nylon to prevent friction and static electricity build up.

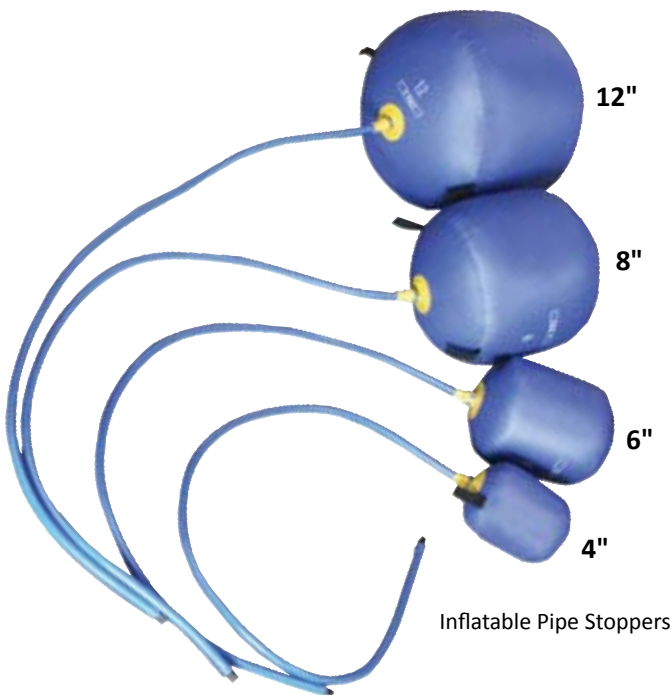
There are six different types available:

- **Cylindrical** - this stopper is generally used for blocking pipes where access is restricted
- **Spherical** - this stopper has less contact area than cylindrical stoppers, and is most suited to applications where access is further limited. Due to its shape the spherical inflatable stopper can be used at any angle
- **Square / Rectangular** - this stopper has a variety of applications, including in air conditioning ducting and venting
- **Doughnut** - this stopper requires minimal space and is perfectly suited to larger diameter pipes as there is less inflation required
- **Sausage** - this stopper has more contact area between the stopper and the pipe wall enabling it to hold back more pressure
- **Heat Resistant** - this stopper is made of a specially designed Kevlar and Nomex mix material to withstand temperatures up to 500°C (932°F) for applications involving higher temperatures such as pre heating



Holdback pressure - unsupported back pressure is 20% of the inflation pressure

Each inflatable stopper comes with an inflation hose fitted with a Schrader valve enabling inflation with a standard airline, bicycle or foot pump.



Inflatable Pipe Stoppers



PPM's inflatable stoppers are supplied as standard with no through tube. Through tubes can be supplied on request at extra cost when the stoppers are required for weld purging applications. When deflated, the inflatable stoppers can be inserted and withdrawn with ease when access is restricted.

Sizing and specification

PART NO	DESCRIPTION	NOMINAL PIPE SIZE		INTERNAL DIAMETER RANGE (I/D)		WEIGHT (LBS. / KG)		INFLATION PRESSURE
IPS2	2" Inflatable Pipe Stopper	2"	50 mm	1.77" - 2.16"	45 mm - 55 mm	0.74 lbs.	0.34 kg	10 psi
IPS3	3" Inflatable Pipe Stopper	3"	75 mm	2.75" - 3.14"	70 mm - 80 mm	0.74 lbs.	0.34 kg	10 psi
IPS4	4" Inflatable Pipe Stopper	4"	100 mm	3.74" - 4.13"	95 mm - 105 mm	0.74 lbs.	0.34 kg	10 psi
IPS5	5" Inflatable Pipe Stopper	5"	125 mm	4.72" - 5.11"	120 mm - 130 mm	0.83 lbs.	0.38 kg	10 psi
IPS6	6" Inflatable Pipe Stopper	6"	150 mm	5.70" - 6.10"	145 mm - 155 mm	0.83 lbs.	0.38 kg	6 psi
IPS7	7" Inflatable Pipe Stopper	7"	175 mm	6.69" - 7.08"	170 mm - 180 mm	1.54 lbs.	0.70 kg	6 psi
IPS8	8" Inflatable Pipe Stopper	8"	200 mm	7.67" - 8.07"	195 mm - 205 mm	2 lbs.	0.90 kg	6 psi
IPS9	9" Inflatable Pipe Stopper	9"	225 mm	8.66" - 9.05"	220 mm - 230 mm	2 lbs.	0.95 kg	4 psi
IPS10	10" Inflatable Pipe Stopper	10"	250 mm	9.64" - 10.03"	245 mm - 255 mm	2 lbs.	1.00 kg	4 psi
IPS11	11" Inflatable Pipe Stopper	11"	275 mm	10.62" - 11.02"	270 mm - 280 mm	2 lbs.	1.05 kg	4 psi
IPS12	12" Inflatable Pipe Stopper	12"	300 mm	11.61" - 12.00"	295 mm - 305 mm	2 lbs.	1.10 kg	3 psi
IPS13	13" Inflatable Pipe Stopper	13"	325 mm	12.59" - 12.99"	320 mm - 330 mm	3 lbs.	1.20 kg	3 psi
IPS14	14" Inflatable Pipe Stopper	14"	350 mm	13.58" - 13.97"	345 mm - 355 mm	3 lbs.	1.30 kg	3 psi
IPS15	15" Inflatable Pipe Stopper	15"	375 mm	14.56" - 14.96"	370 mm - 380 mm	3 lbs.	1.50 kg	3 psi
IPS16	16" Inflatable Pipe Stopper	16"	400 mm	15.55" - 15.94"	395 mm - 405 mm	4 lbs.	1.70 kg	3 psi
IPS17	17" Inflatable Pipe Stopper	17"	425 mm	16.53" - 16.92"	420 mm - 430 mm	4 lbs.	1.75 kg	3 psi
IPS18	18" Inflatable Pipe Stopper	18"	450 mm	17.51" - 17.91"	445 mm - 455 mm	4 lbs.	1.80 kg	2 psi
IPS19	19" Inflatable Pipe Stopper	19"	475 mm	18.50" - 18.89"	470 mm - 480 mm	4 lbs.	1.85 kg	2 psi
IPS20	20" Inflatable Pipe Stopper	20"	500 mm	19.48" - 19.88"	495 mm - 505 mm	4 lbs.	1.90 kg	2 psi
IPS21	21" Inflatable Pipe Stopper	21"	525 mm	20.47" - 20.86"	520 mm - 530 mm	5 lbs.	2.20 kg	2 psi
IPS22	22" Inflatable Pipe Stopper	22"	550 mm	21.45" - 21.85"	545 mm - 555 mm	5 lbs.	2.40 kg	2 psi
IPS24	24" Inflatable Pipe Stopper	24"	600 mm	23.42" - 23.81"	595 mm - 605 mm	5 lbs.	2.50 kg	2 psi
IPS28	28" Inflatable Pipe Stopper	28"	700 mm	27.36" - 27.75"	695 mm - 705 mm	5 lbs.	2.70 kg	2 psi
IPS30	30" Inflatable Pipe Stopper	30"	750 mm	29.33" - 29.72"	745 mm - 755 mm	6 lbs.	3.00 kg	2 psi
IPS32	32" Inflatable Pipe Stopper	32"	800 mm	31.29" - 31.69"	795 mm - 805 mm	7 lbs.	3.40 kg	1.5 psi
IPS34	34" Inflatable Pipe Stopper	34"	850 mm	33.26" - 33.66"	845 mm - 855 mm	7 lbs.	3.60 kg	1.5 psi
IPS36	36" Inflatable Pipe Stopper	36"	900 mm	35.23" - 35.62"	895 mm - 905 mm	8 lbs.	3.80 kg	1 psi
IPS42	42" Inflatable Pipe Stopper	42"	1,050 mm	41.34" - 41.73"	1,050 mm - 1,060 mm	11 lbs.	5.00 kg	0.5 psi
IPS44	44" Inflatable Pipe Stopper	44"	1,100 mm	43.11" - 43.50"	1,095 mm - 1,105 mm	12 lbs.	5.50 kg	0.5 psi
IPS48	48" Inflatable Pipe Stopper	48"	1,200 mm	47.04" - 47.44"	1,195 mm - 1,205 mm	13 lbs.	6.00 kg	0.5 psi
IPS54	54" Inflatable Pipe Stopper	54"	1,350 mm	53.35" - 53.74"	1,355 mm - 1,365 mm	17 lbs.	7.50 kg	0.5 psi
IPS60	60" Inflatable Pipe Stopper	60"	1,500 mm	58.85" - 59.25"	1,495 mm - 1,505 mm	19 lbs.	8.50 kg	0.5 psi
IPS72	72" Inflatable Pipe Stopper	72"	1,800 mm	71.45" - 71.85"	1,815 mm - 1,825 mm	24 lbs.	11.00 kg	0.5 psi

Pipe stoppers are supplied with Schrader valve

(Larger sizes available upon request with 10 mm / 0.39" expansion range)

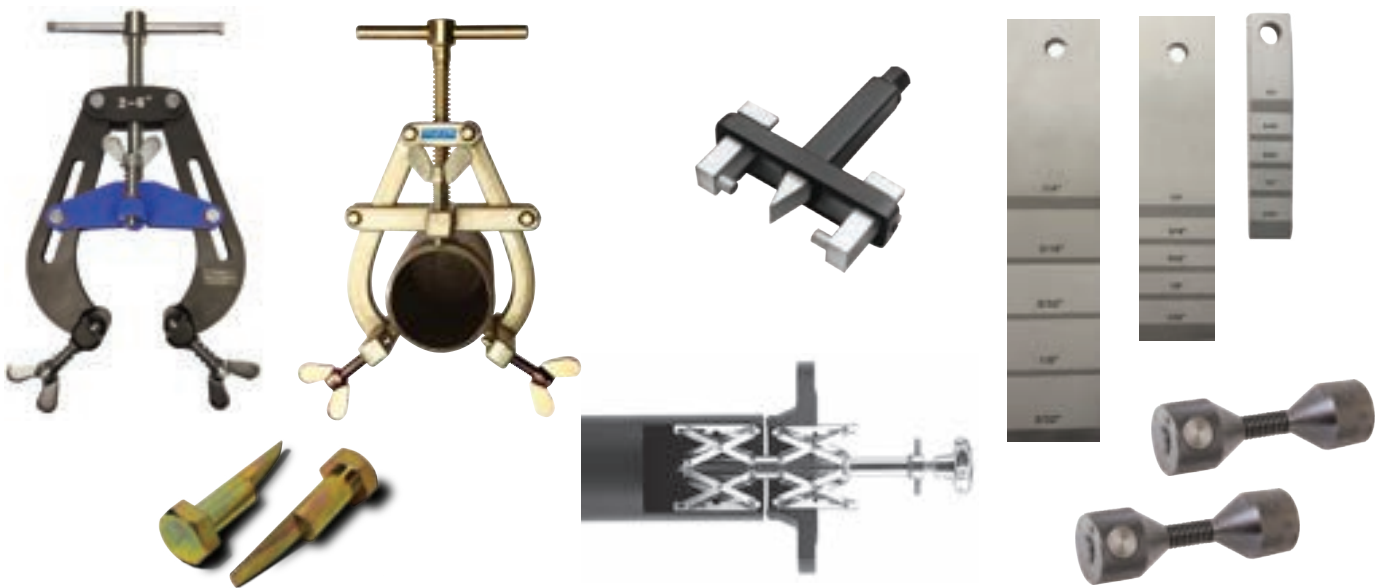
FIT-UP PRO

By Mathey Dearman

MARCH 2022

COMPLETE BROCHURE

FIT-UP AND ALIGNMENT TOOLS



LAYOUT AND MARKING TOOLS





SPECIALIZED FABRICATION EQUIPMENT GROUP

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.



UNITED STATES HEAD OFFICE - HOUSTON



INTERNATIONAL HEAD OFFICE - FRANCE

OUR BRANDS



FIT-UP PRO

By Mathey Dearman

Introduction to Fit-Up Pro

With 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, the various product groups offered by the original manufacturers have been re-aligned and integrated into the overall S.F.E. Group product range whilst keeping their own brand identity.

With having Mathey Dearman supplying pipe fit up tools since the 1930's, S.F.E. Group is proud to present its brand dedicated to one of its most historical product ranges: **Fit-Up Pro by Mathey Dearman**.

With the Fit-Up Pro brand, S.F.E. Group not only wishes to highlight the focus on fit up, alignment and layout tools, but also supply the growing demand and diverse applications on-site in the industries that the S.F.E. Group already serve and intertwine with the other product applications within S.F.E. Group.

As an OEM, S.F.E. Group prides itself being renowned with the Fit-Up Pro brand not only for its history in pipe fitting tools, but also for the continuous innovations and the overall comprehensiveness of this range of fit up, alignment and layout tools, including: external and internal **pipe clamps**, welding **wedges**, **flange spreaders** and **flange aligning tools** and a wide variety of **pipe layout and marking tools**.

Fit-Up Pro'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 fitting and pipe aligning application.

FIT-UP AND ALIGNMENT TOOLS



Our spider clamps are great for flange fit up and we also offer other types of alignment pipe clamps that save time and increase productivity. Two hole pins, flange alignment bolts and stepped wedges are also time savers that compliment this line, along with various squares and protractors. We even offer two types of flange spreaders, (manual and hydraulic) that assist in safe maintenance and preparation for re-fit of flanges.

LAYOUT AND MARKING TOOLS



Fit-Up Pro offers several tools specific to pipe layout. A new pocket level and fitters torpedo level are made from aircraft aluminium balancing light weight and durability. A newly designed pipe centering tool adds magnets for hands free use and comes with a right angle square and handy ruler markings, and our line of radius markers is great for laying out a radius or circles up to 100 inches.

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SPECIALIZED FABRICATION EQUIPMENT
GROUP

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

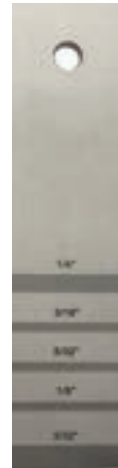
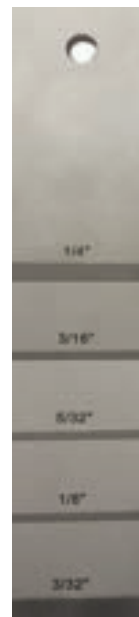
OUR BRANDS



FIT-UP PRO

By Mathey Dearman

FIT-UP AND ALIGNMENT TOOLS





This classic design high-low alignment clamp has been in used worldwide for years.

With a durable, yet cost effective fabricated design, the PDQ pipe clamps fit up to 14" pipe and are available in three sizes.

Working on stainless steel?

The new Quick-Fit PDQ pipe clamps can be used on stainless steel without any additional accessories due to the stainless steel feet and balls in the wing-nuts, preventing contamination of the pipe.

Specifications

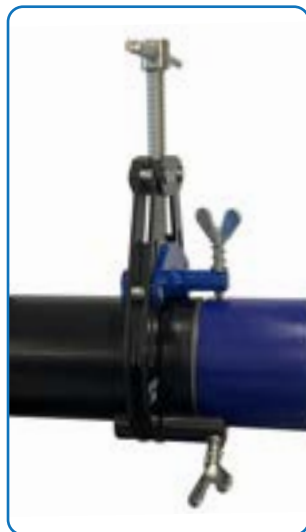
- Available in three sizes for 1" - 14" pipe fit-up.
- Durable ACME-thread design used for years in the field.
- Lightweight design is great for overhead work.
- With stainless steel contact points standard, the PDQ clamp is ready for exotic pipe fabrication out of the box.
- Great for most types of fit-ups. Pipe to pipe, pipe to elbow and pipe to flange amongst others.
- The most cost effective yet durable high-low fit-up clamp on the market.

Technical specification

OLD PART NO	NEW PART NO	DESCRIPTION	RANGE		WEIGHT	
* EZR2	* 1220	Quick-Fit PDQ Pipe Clamp 1" - 3"	1" - 3"	25 - 90 mm	4 lbs.	1.80 kg
* EZR6	* 1221	Quick-Fit PDQ Pipe Clamp 2" - 6"	2" - 6"	50 - 170 mm	11 lbs.	5.00 kg
* EZR12	* 1222	Quick-Fit PDQ Pipe Clamp 6" - 14"	6" - 14"	165 - 370 mm	18 lbs.	8.20 kg

* Suitable for stainless steel

Quick Fit PDQ Typical Applications



WARNING: These PDQ clamps must not be used as a lifting device, as this may result in damage or injury



This classic design high-low alignment clamp has been in used worldwide for years. The heavy-duty design utilises forged steel, galvanised to offer protection to ensure a robust product.

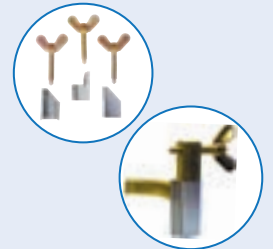
With a durable, yet cost effective fabricated design, the E-Z Fit Gold pipe clamps fit up to 14" pipe and are available in five overlapping sizes.

Specifications

- Available in five sizes for 1" - 14" pipe fit-up.
- Heavy-duty design: forged steel, galvanised.
- Great for most types of fit-ups. Pipe to pipe, pipe to elbow and pipe to flange amongst others.
- The most heavy-duty high-low fit-up clamp on the market.

Optional extras

Stainless steel covers can be fitted quickly to the clamping feet. This makes all contact points of the clamp stainless, thus eliminating contamination of the pipe.



Sizes available

PART NO.	DESCRIPTION	RANGE		WEIGHT	
EZG3	E-Z Fit Gold Pipe Clamp 1" - 3"	1" - 3"	20 - 90 mm	3 lbs.	1.40 kg
EZG5	E-Z Fit Gold Pipe Clamp 2" - 5"	2" - 5"	50 - 150 mm	7 lbs.	3.00 kg
EZG7	E-Z Fit Gold Pipe Clamp 3" - 7"	3" - 7"	90 - 195 mm	7.5 lbs.	3.30 kg
EZG9	E-Z Fit Gold Pipe Clamp 5" - 9"	5" - 9"	125 - 245 mm	15.5 lbs.	7.00 kg
EZG14	E-Z Fit Gold Pipe Clamp 9" - 14"	9" - 14"	225 - 370 mm	20 lbs.	9.00 kg

Stainless steel covers and screws only

PART NO.	PIPE CLAMP SIZE (INCH)
* EZG3SS	1 - 3"
* EZG5SS	2 - 5"
* EZG7SS	3 - 7"
* EZG9SS	5 - 9"
* EZG14SS	9 - 14"

** Suitable for stainless steel*

E-Z Fit Gold Typical Applications



WARNING: These E-Z Gold pipe clamps must not be used as a lifting device, as this may result in damage or injury

SPIDER CLAMP - SERIES 400

This model has two independent expanding clamps, allowing independent alignment of two hollow cylindrical components of different diameters. The bottom expanding clamp is inserted and clamped in the pipe by means of the knob. Then the other part (e.g. a flange) is placed over the top expanding clamp and clamped by means of the hand-bar. This model is specially suited for heavy parts. All locating rails are in stainless steel.



PART NO	CLAMPING RANGE		WEIGHT	
* 400-1 SS	2" - 6"	54 - 140 mm	3.31 lbs.	1.50 kg
* 400-2 SS	4" - 8"	85 - 220 mm	9.15 lbs.	4.15 kg
* 400-3 SS	6" - 14"	120 - 350 mm	26.01 lbs.	11.80 kg
* 400-4 SS	8" - 20"	180 - 520 mm	65 lbs.	30.00 kg
* 400-5 SS	16" - 36"	400 - 940 mm	145 lbs.	65.00 kg

** Suitable for stainless steel*

ELBOW SPIDER CLAMP - SERIES 500

This model with two independent clamps is used for clamping flanges of all kinds and similar parts to elbows and pipe-bends of various diameters. The lower expanding clamp has strong gripping feet which insert into the bend and are tightened by means of the knob. The top expanding clamp is tightened by means of the handbar in the flange.



PART NO	CLAMPING RANGE		WEIGHT	
* 500-1 SS	2" - 4"	54 - 115 mm	2.53 lbs.	1.15 kg
* 500-2 SS	4" - 7"	85 - 195 mm	7.05 lbs.	3.20 kg
* 500-3 SS	6" - 12"	120 - 315 mm	21.16 lbs.	9.60 kg
* 500-4 SS	7" - 20"	180 - 520 mm	55 lbs.	25.00 kg

** Suitable for stainless steel*

SCISSOR CLAMP - SERIES 100

For quick and accurate alignment of pipes of equal or differing diameters on a common centre line. Automatic diameter compensation. There's no need to make additional adjustments. All parts stay easily accessible for welding.



PART NO	CLAMPING RANGE		WEIGHT	
* 100-1 SS	1/8" - 3"	10 - 70 mm	4.85 lbs.	2.20 kg
* 100-2 SS	1.5" - 5"	40 - 140 mm	11.90 lbs.	5.40 kg
* 100-3 SS	2.5" - 12"	75 - 330 mm	55 lbs.	25.00 kg

** Suitable for stainless steel*

When using Mathey Dearman clamps, spacing wedges enable better fit-up of pipe ends. Wedges are used to create precise weld gaps.

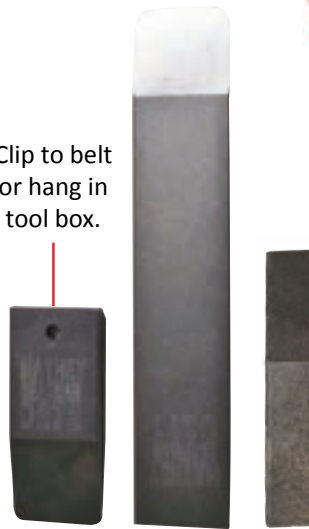
Simply move the pipe ends together, mount and tighten the chain clamp or cage clamp and spread the gap to the desired width using the spacing wedge.

The wedge portion of the spacing wedge is case hardened for long life, while the upper part of the wedge is soft enough to prevent splintering.



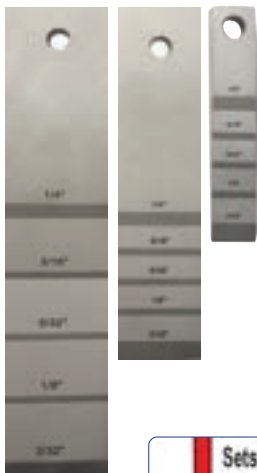
Purchase individually, or in boxes of 10 each.

Clip to belt or hang in tool box.

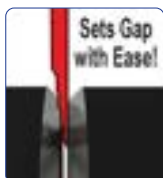


Weld gap can be quickly set using our spacing wedges.

PART NO	DESCRIPTION	DIMENSIONS
D274	D274 spacing wedge	4" x 3/4" x 1/4"
D272	D272 spacing wedge	3 1/2" x 1 1/2" x 1/4"
D271	D271 spacing wedge	8" x 1 1/2" x 1/4"
BOXES OF 10		
D274-BOX	D274 spacing wedge - box of 10	
D272-BOX	D272 spacing wedge - box of 10	
D271-BOX	D271 spacing wedge - box of 10	



PN 2130
PN 2131
PN 2132



Features

The Fit-Up Pro Stepped Wedge is a patent pending design that merges two tools into one. A pipe wedge can be used to pry, push and pull pipe in many applications, while a pipe gauge is used to insure proper gap dimensions pre-weld. The stepped wedge accomplishes both functions in one tool. Many other features and uses make this a must have tool for the pipe fabricators' tool box. An additional feature is the wedges stainless steel construction material. That means the pipe fabricator can use the wedges in steel or stainless steel fit-ups, and the stainless steels hard surface lends itself to extended use. Please note, product is compromised once used on steel materials.

Specifications

- Two tools in one: wedge and gauge.
- Pull or push for gap width adjustments.
- Allows full line of sight during fit-up.
- Unique hole allows fall protection lanyard and wedge extraction.
- Landings can be measured quickly and accurately.
- Can be used with a standard wedge or alone.
- Efficient and easy to use.
- Available at a great price!

PART NO	DESCRIPTION	DIMENSIONS
2130	Stepped Wedge™ (small)	3/4" width x 4" length
2131	Stepped Wedge™ (medium)	1 1/2" width x 6" length
2132	Stepped Wedge™ (large)	1 3/4" width x 8" length



Flange spreaders separate flanges safely and easily without hammering. The spreader, which attaches to the flange holes, spreads the flange faces without damaging flange sealing surfaces. The wedge action of the spreader widens the gap between flanges up to 1¼" (32 mm). 100 ft.-lbs. of torque applied to the flange spreader yields up to 12,000 lbs. of spreading force.

Hydraulic flange spreaders are available for 2" - 36" (51 - 914 mm) flanges and use a hydraulic pump kit (sold separately) to easily separate flanges.



PART NO. D100



PART NO. D103



PART NO. D104-KIT



APPLICATION PHOTO

PART NO	DESCRIPTION	FLANGE SIZE		FLANGE RATING
D100	Mechanical flange spreader 2" - 12"	2" - 12"	51 - 305 mm	up to 300 psi
D103	Hydraulic flange spreader 2" - 12"	2" - 12"	51 - 305 mm	up to 300 psi
D101	Hydraulic flange spreader 12" - 24"	12" - 24"	305 - 610 mm	150 - 600 psi
D102	Hydraulic flange spreader 26" - 36"	26" - 36"	660 - 914 mm	150 - 600 psi
D104-KIT	Hydraulic pump kit includes pump with reservoir, hoses and quick disconnects.			



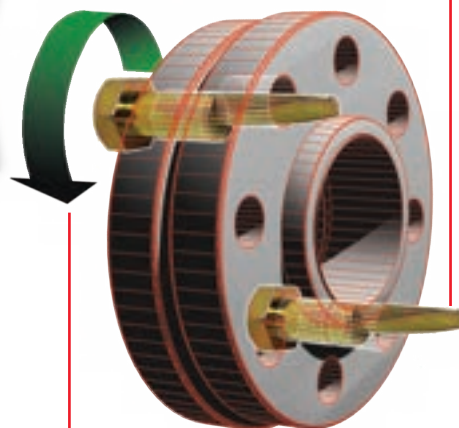
Safe, fast, and effective solution for even the toughest flange alignment jobs. The tool's tapered shaft eliminate hammering and prying when lining up flange bolt holes.

Safer: Eliminates the need for wedges or hammers.

Protects: Greatly reduces risk of damage to the flange.



Step 1: Place first bolt into pair of aligned holes

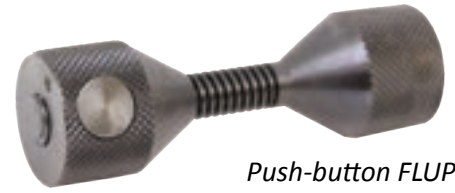


Step 2: Place second bolt into mis-aligned holes and turn bolt to align both flange faces

PART NO	DESCRIPTION
FAB.138	1½" Flange Alignment Bolts (FAB) (pair)
FAB.114	1¼" Flange Alignment Bolts (FAB) (pair)
FAB.118	1½" Flange Alignment Bolts (FAB) (pair)
FAB.100	1" Flange Alignment Bolts (FAB) (pair)
FAB.078	¾" Flange Alignment Bolts (FAB) (pair)
FAB.034	¾" Flange Alignment Bolts (FAB) (pair)
FAB.BOX	Tool box only
FAB.KIT	FAB kit containing 1 set of: ¾", 7/8", 1", 1½", 1¼" and 1½"

PUSH-BUTTON CARBON STEEL FLANGE LINE UP PINS

Introducing the latest addition to our Flange Line Up Pins (FLUP) range, our new push-button carbon steel model. The new flange line up pin installs and removes quickly thanks to its convenient push-button operation. Rugged ACME-thread and rust-resistant black oxide coated carbon steel means you can expect years of reliable use.



Push-button FLUP

PART NO	DESCRIPTION	FLANGE HOLE DIAMETER RANGE	
05.0100.020	Push-button carbon steel FLUP (pair)	5/8" - 1 1/8"	16 - 47 mm

STAINLESS STEEL FLANGE PINS

Features

Fit-Up Pro stainless steel flange pin, aka "two hole pins" are used for precise flange leveling and alignment. The PN 2124 are smaller stainless steel mini pins that fit flange holes up to 7/8". The knurled surfaces are an additional feature that allow snug flange hole fitting that increases accuracy during flange alignment.

PN 2124



1/4" - 7/8" Flange holes

Specifications

- Fit-Up Pro flange pins are an economical and efficient way to align flanges.
- PN 2124 for use in 1/4" - 7/8" holes.
- PN 2124 are made of stainless steel for exotic flange fit-ups.
- The flange pins offer knurled handles for increase grip and tightening ability.
- Items come in retail packaging.

PART NO	DESCRIPTION	FLANGE HOLE DIAMETER RANGE	
2124	Stainless steel flange pins (pair)	1/4" - 7/8"	6.5 - 22 mm

ROTARY EARTH CLAMP

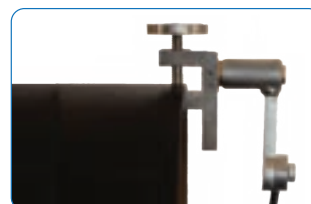
Features and advantages

- Attaches and detaches in seconds
- Makes up earth leads three ways - lug, clamp on and bare cable
- No more tangled earth leads

A simple yet effective device eliminates earth lead twisting, tangling and unnecessary wear.

Provides a stable earth for circumferential welding of pipes and fittings and eliminates weld pinholes caused by poor earthing.

Anti-arc bearings take loads of up to 400 amps.

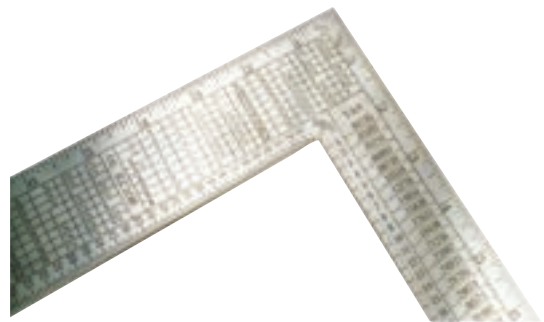


PART NO.	DESCRIPTION	WEIGHT	
REC1	Rotary Earth Clamp	4.0 lbs.	1.80 kg

FIT-UP PRO

By Mathey Dearman

LAYOUT AND MARKING TOOLS



The Fit-Up Pro D206 centering head is a precision tool, useful for finding pipe centerlines, establishing angles or points around pipes, shafts, tanks or other cylindrical surfaces. The rotating protractor dial is marked in 2.5° increments for precise point location. The centering head is designed for use on cylindrical surfaces from 3" to 40" in diameter.



Features

- **True** - Precisely locates top dead center
- **Easy** - Simple and quick to use
- **Versatile** - Use to find points on shafts, tanks, or pipe

PART NO	DESCRIPTION	SHIPPING WEIGHT		SHIPPING DIMENSIONS	
D206	Magnetized pipe centering finder w/punch and multi-tool	3 lbs.	1.35 kg	8" x 8"	200 x 200 mm

The robust aluminium construction, rotating dial and magnetized base makes this tool a handy must-have for all tradesmen.

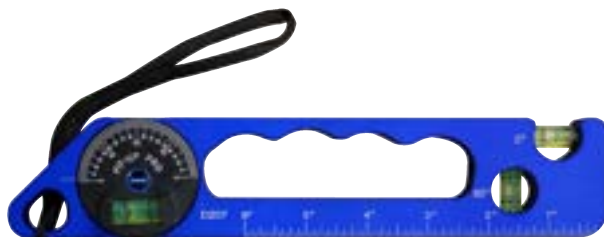


Features

- 2" x 2" - small and convenient
- Rotating dial allows for easy angle verification
- Magnetized for hands-free use
- Sturdy and durable for years of use

PART NO	DESCRIPTION	SHIPPING WEIGHT		SHIPPING DIMENSIONS	
D208	Magnetized pocket level and inclinometer (2 x 2.5 inch)	1 lbs.	0.45 kg	4" x 4"	100 x 100 mm

The Fit-Up Pro torpedo level is a must have for the pipe fabricator offering multiple features. Magnets adhere the level to the pipe, while a rotating degree dial makes angle verification easy. Two fixed dials make common fit ups easy.



Features

- Easy to read dial and fixed vials
- V-grooved and magnetized base for hands free use
- Laser etched measurements makes this a two-in-one tool

PART NO	DESCRIPTION	SHIPPING WEIGHT		SHIPPING DIMENSIONS	
D207	Magnetized torpedo level	2 lbs.	0.90 kg	12" x 4"	300 x 100 mm

RADIUS MARKER

Robust construction and tensioned, yet easy to move, joints make this the perfect precision tool for all welders and fitters. Lay out saddle cuts, circles, half round, oval or elliptical cuts with confidence.

Features

- Full aluminium construction
- 3 sizes up to 100"
- Can hold rectangular or round soap stone



PART NO	DESCRIPTION	SHIPPING WEIGHT		SHIPPING DIMENSIONS	
D209	Small - radius marker up to 22" circle	1 lbs.	0.50 kg	6" x 2" x 1"	150 x 50 x 25 mm
D210	Medium - radius marker up to 50" circle	1 lbs.	0.50 kg	10" x 2" x 1"	250 x 50 x 25 mm
D211	Large - radius marker up to 100" circle	1 lbs.	0.50 kg	14" x 2" x 1"	400 x 50 x 25 mm

Q.C. WELDER WITH PIT DEPTH GAUGE

The Q.C. welder with pit depth gauge measures pit depth, weld height and outside "high-low". The stainless steel pit depth gauge mounts on the end of the Q.C. welder's gauge housing and displays in English measurements.



Precise: Measures as small as 1/64" (0.4 mm)

Easy: Simply slide the pit depth gauge over the Q.C. gauge and take the reading

Measurement 1/64th or .4 mm increments.

PART NO	DESCRIPTION	WEIGHT	
D253E	English Q.C. welder with pit depth gauge	0.2 lbs.	0.10 kg
D253E-BOX	English Q.C. welder with pit depth gauge (box of 10)	2.0 lbs.	0.90 kg

PIPE WRAP

Fit-Up Pro by Mathey Dearman pipe wrap has double-ruled edges so it is never upside down or backwards. The wrap can be used as a straight edge to mark straight lines around the pipe and to mark angles for pipe elbows. The pipe wrap is constructed of highly abrasion and solvent resistant materials to last under heavy use.

Pipe wrap includes: table of tangents and straight edge, instructions for cutting elbows, sides marked in 1/8" (3.2 mm) increments to 36" (914 mm), instructions for finding the length of an elbow, 45 degree angle chart and degree markings.



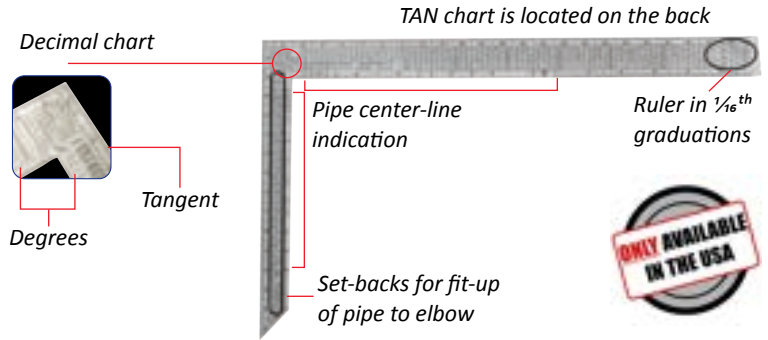
PART NO	DESCRIPTION	PIPE SIZE	
D160	Wrap, 4" x 4 ft / 102 mm x 1,219 mm	3" - 15"	76 - 381 mm
D170	Wrap, 4" x 6 ft / 102 mm x 1,829 mm	3" - 22"	76 - 559 mm
D177	Wrap, 4" x 7 ft / 102 mm x 2,134 mm	3" - 26"	76 - 660 mm
D184	4" / 102 mm width x length desired sold in 1 ft / 305 mm increments*	Pipe size to be specified	
D185	5" / 127 mm width x length desired sold in 1 ft / 305 mm increments*	Pipe size to be specified	
D187	7" / 178 mm width x length desired sold in 1 ft / 305 mm increments*	Pipe size to be specified	



PIPE FITTER'S SQUARE

The stainless steel pipe fitter's square is the only precision square designed specifically for pipefitters, boilermakers, welders and layout persons.

After becoming familiar with the scales and tables of the square, many complex problems encountered during pipe fit-up and layout work are easily solved.



PART NO	DESCRIPTION	DIMENSIONS	
D248	Pipefitter's square	15 1/2" x 24" x 3/16" thick	394 x 610 x 3 mm thick

PROTRACTORS

The large protractor will measure squareness of pipe ends up to 40" / 1,016 mm diameter or can be used to check large pipe miter angles up to 180°. Leg lengths of 48" / 1,219 mm and 36" / 914 mm.

The small protractor is an excellent tool for sheet metal layout, checking squareness of pipe ends up to 17" / 432 mm diameter. It has a large 18" / 457 mm leg, a shorter 12" / 305 mm leg and it is accurate to ± 1°.

The mini protractor can be used for a variety of applications including measuring bevel angle.



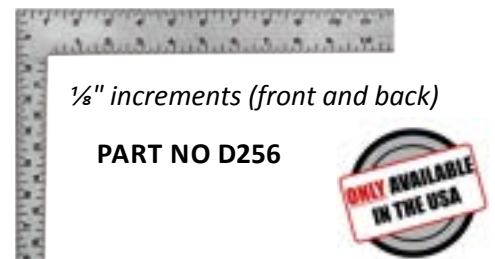
PART NO DK-239

PART NO	DESCRIPTION	DIMENSIONS	
DXX-250	Mini stainless steel protractor	4"	102.4 mm
DK-239	Small stainless steel protractor	18" & 12"	457 mm & 305 mm
DK-100	Large aluminium protractor	48" & 36"	1219 mm & 914 mm

FRAMING SQUARE

The small stainless steel framing square measures angles, squareness, and finds pipe's centerline.

When used with a level, the square measures drops in inches per foot to determine slope. The square is marked in 1/8" increments.



1/8" increments (front and back)

PART NO D256



PART NO	DESCRIPTION	DIMENSIONS	
D256	Small Stainless Steel Framing Square	8" x 12" x 3/16" thick	203 x 305 x 1.6 mm thick

FLANGE SQUARES

Designed for the precise adjustment of flanges in tube/pipe construction.



PART NO TFSQ400



PART NO	DESCRIPTION	SIZE	
TFSQ300	Flange square 300 x 300 mm / 30 x 5 mm cross section	12" x 12"	300 mm x 300 mm
TFSQ400	Flange square 400 x 400 mm / 30 x 5 mm cross section	16" x 16"	400 mm x 400 mm
TFSQ500	Flange square 500 x 500 mm / 30 x 5 mm cross section	20" x 20"	500 mm x 500 mm

COMPLETE BROCHURE (OUTSIDE USA)

PIPE JACKS AND STANDS



MEGA ROLLERS AND STANDS



MATERIAL HANDLING EQUIPMENT





SPECIALIZED FABRICATION EQUIPMENT GROUP

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.



UNITED STATES HEAD OFFICE - HOUSTON



INTERNATIONAL HEAD OFFICE - FRANCE

OUR BRANDS





Introduction to B&B Pipe & Industrial Tools

The company B&B Pipe and Industrial Tools (B&B) was originally founded in Houston, Texas, USA in the 1990's, offering initially mainly the standard pipe rollers and applications, sold into petrochemical construction projects along the Texas Gulf Coast. Over the years B&B became an important player in the U.S. market.

With 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, the various product groups offered by the original manufacturers have been re-aligned and integrated into the overall S.F.E. Group product range whilst keeping their own brand identity.

Backed by nearly 30 years of development, today S.F.E. Group's B&B brand is dedicated to and covering pipe handling equipment, applications and solutions. With the B&B brand, S.F.E. Group not only wishes to highlight the focus on this particular product line, but also supply the growing demand and diverse applications in the industries that it already serves and intertwine with other product applications within S.F.E. Group.

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

The B&B brand portfolio consists of a comprehensive range of pipe purging equipment: **pipe jacks and stands**, **mega rollers and stands** and **material handling carts**.

B&B 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 handling application.

PIPE JACK AND STANDS



B&B's pipe jacks and stands are an industry standard with many units sold into the field. The jacks and stands help the pipe fabricator hold the pipe at a safe and ergonomic elevation, allowing increased productivity. Made from quality steel tube and pipe, the jacks and stands offer great value, balancing the ability to withstand the everyday abuse of job site use while being available at a very competitive price.

MEGA ROLLERS AND STANDS



B&B's mega rollers and jacks are a more robust, higher capacity line of material handling equipment than the standard line of jacks and stands. They allow increased pipe diameter capacity, as well as increased weight capacity. These mega rollers are built to last in the toughest of job site conditions.

MATERIAL HANDLING EQUIPMENT



B&B's carts and buggies consist of job site material handling carts. The Stacker Cart can be shipped and stacked on the way to the job site minimising handling and shipping costs, then fold open for use while in the field. The pipe buggy models are designed to easily transport pipes, fittings and other parts on the job site or workshop, minimising ergonomic exposure and manual handling.

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SPECIALIZED FABRICATION EQUIPMENT
GROUP

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

OUR BRANDS



PIPE JACKS AND STANDS



FIXED AND FOLDING PIPE JACKS (TRI PIPE STAND)

B&B Pipe & Industrial Tools - The pipe jacks and pipe stands are backed with over 25 years of manufacturing experience. All pipe jacks and pipe stands are rated with at least a 2:1 safety ratio that is 3rd party tested. We have made B&B pipe jacks the strongest, most durable products on the market. B&B also offers an extensive range of head options for any pipe fabrication application.

Specifications

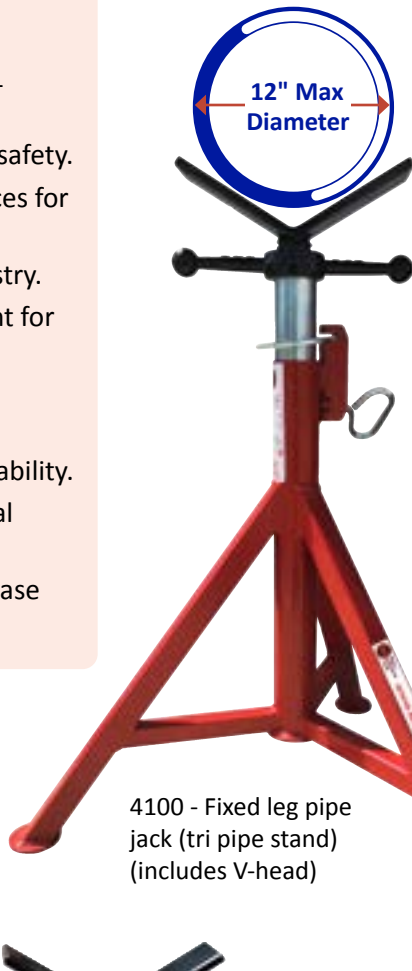
- 2,500lbs / 1,135 kg load capacity
- Third party tested with at least a 2:1 safety ratio.
- Oversized 10" V-head for increased safety.
- Oversized square tube legs and braces for increased durability.
- 1½" ACME rod is largest in the industry.
- Quick lock washer height adjustment for easy use.
- More head options than any other manufacturer.
- Increased width stance for better stability.
- Square tube bracing offers additional strength and rigidity.
- Safety washer can be locked on to base for increased operator safety.



3900 - Folding leg pipe jack (tri pipe stand) (includes V-head)



4100 - Fixed leg pipe jack (tri pipe stand) (includes V-head)



4100 - Fixed leg pipe jack (tri pipe stand) with 90029 large V-head



DESCRIPTION: Fixed leg pipe jack (tri pipe stand) (includes V-head)

OLD PART NO		NEW PART NO		
TPS300 + TVH300		4100		
LOAD CAPACITY		WEIGHT		PIPE SIZE
2,500 lbs.	1,135 kg	17 lbs.	7.60 kg	Up to 24"

DESCRIPTION: Folding leg pipe jack (tri pipe stand) (includes V-head)

OLD PART NO		NEW PART NO		
TFS301 + TVH300		3900		
LOAD CAPACITY		WEIGHT		PIPE SIZE
2,500 lbs.	1,135 kg	17 lbs.	7.60 kg	Up to 24"

DESCRIPTION: V-head

OLD PART NO		NEW PART NO		
TVH300		90001		
LOAD CAPACITY		WEIGHT		PIPE SIZE
2,500 lbs.	1,135 kg	7 lbs.	3.40 kg	Up to 12"

DESCRIPTION: Large V-head (see 5 leg giant jack for accessories)

OLD PART NO		NEW PART NO		
TVH300L		90029		
LOAD CAPACITY		WEIGHT		PIPE SIZE
2,500 lbs.	1,135 kg	17 lbs.	7.60 kg	Up to 24"

DESCRIPTION: Steel wheel heads (slip on style) (pair)
Stainless steel wheel heads (slip on style) (pair)

OLD PART NO		NEW PART NO		
SWH300		90060		
* SWH300SS		* 90061		
LOAD CAPACITY		WEIGHT		PIPE SIZE
1,000 lbs.	450 kg	7 lbs.	3.40 kg	1" to 12"

DESCRIPTION: Steel wheel roller head
Stainless steel wheel roller head

OLD PART NO		NEW PART NO		
SWH350		90002		
* SWH350SS		* 90005		
LOAD CAPACITY		WEIGHT		PIPE SIZE
2,000 lbs.	910 kg	11 lbs.	4.90 kg	1" to 24"

DESCRIPTION: Phenolic wheel roller head

OLD PART NO		NEW PART NO		
* NWH350		* 90003		
LOAD CAPACITY		WEIGHT		PIPE SIZE
1,000 lbs.	450 kg	7 lbs.	3.30 kg	1" to 24"

DESCRIPTION: Phenolic wheel heads (slip on style) (pair)

OLD PART NO		NEW PART NO		
* NWH300		* 90032		
LOAD CAPACITY		WEIGHT		PIPE SIZE
1,000 lbs.	450 kg	5 lbs.	2.00 kg	1" to 12"

DESCRIPTION: Stainless steel head (slip on style) (pair)

OLD PART NO		NEW PART NO		
* SSH300		* 90004		
LOAD CAPACITY		WEIGHT		PIPE SIZE
3,500 lbs.	1,585 kg	2 lbs.	1.00 kg	1" to 12"

DESCRIPTION: Stainless steel ball transfer heads (slip on style) (pair)

OLD PART NO		NEW PART NO		
* BTH300SS		* 90000		
LOAD CAPACITY		WEIGHT		PIPE SIZE
1,000 lbs.	450 kg	6 lbs.	2.50 kg	1" to 12"

DESCRIPTION: Pipe chain vice head

OLD PART NO		NEW PART NO		
PCV300		90033		
LOAD CAPACITY		WEIGHT		PIPE SIZE
550 lbs.	250 kg	14.3 lbs.	6.50 kg	0.5" to 6"

DESCRIPTION: Conveyor roller head

OLD PART NO		NEW PART NO		
RBH300		90019		
DESCRIPTION:		NEW PART NO		
Conveyor V-head		90021		
LOAD CAPACITY		WEIGHT		PIPE SIZE
550 lbs.	250 kg	9 lbs.	4.25 kg	Up to 12"

DUO PIPE STAND

Heavy duty four leg height adjustable, pin lock pipe stands

The B&B Duo pipe stand accommodates pipes up to 48", is height adjustable and equipped with quick change style heads.

The Duo pipe stand has locking brakes on the wheels to secure the load for marking, layout or fit-up and is now supplied with folding legs as standard for ease of use and transport and has an ultra safe pin locking design.

**NEW
IMPROVED
PIN LOCK
DESIGN**



Features and Advantages

- Load capacity 5,290 lbs. / 2,400 kg
- Folding legs for ease of transport and storage
- Self-centering head adjustment from either side
- Height adjustable 29 - 42.5" / 74.5 - 108 cm
- 2 - 48" / 51 - 1219 mm pipe diameter capacity
- Quick height adjustment with additional fine thread for workpiece levelling
- 'Trued' wheels eliminate 'corkscrewing' of pipe during rotation
- Lockable wheels to hold pipe in position
- Safety pins to lock stand at working height
- CE conformity certified with CE mark



The Duo pipe stand utilises a fine adjustment thread. This allows precise adjustment of the working height and can compensate for uneven surfaces to ensure the pipe is level at all times.



The unique safety locking pins allow the Duo pipe stand to be fixed at various working heights.



Final adjustment and levelling can then be made with the fine adjustment handle.

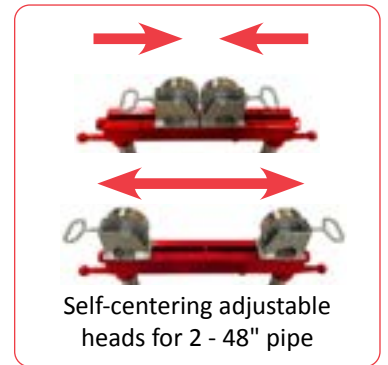
DUO PIPE STAND OPTIONS

The quick change style heads increase the versatility of the Duo pipe stand. The heads can be changed without tools in a matter of seconds to adapt to almost all applications. Roller wheels are available in steel, stainless steel or phenolic version. Ball transfer heads are available in steel or stainless steel.

Simple head changeover



Various height holes enable the operator to fix the stand at the required working height using the safety locking pins



DESCRIPTION: Duo pipe stand (base unit only)



OLD PART NO	NEW PART NO	LOAD CAPACITY		WEIGHT	
DPS200	90039	5,290 lbs.	2,400 kg	43 lbs.	19.50 kg

DESCRIPTION: Quick change steel/stainless steel wheel heads (pair)



OLD PART NO	NEW PART NO	LOAD CAPACITY		WEIGHT	
SWH200	90065	5,290 lbs.	2,400 kg	6 lbs.	3.00 kg
* SWH200SS	* 90066	5,290 lbs.	2,400 kg	6 lbs.	3.00 kg

DESCRIPTION: Quick change phenolic wheel heads (pair)



OLD PART NO	NEW PART NO	LOAD CAPACITY		WEIGHT	
* NWH200	* 90067	1,000 lbs.	450 kg	5 lbs.	2.20 kg

DESCRIPTION: Quick change stainless steel ball transfer heads (pair)



OLD PART NO	NEW PART NO	LOAD CAPACITY		WEIGHT	
* BTH200SS	* 90068	3,197 lbs.	1,450 kg	6 lbs.	3.00 kg

* Suitable for stainless steel

5 LEG GIANT JACK

The B&B 5 leg giant jack is ideal for large diameter pipes (up to 36" / 920 mm) and its V-head can be equipped with multiple options.

The 5 leg giant jack can be fitted with caster wheels, allowing pipe movement.

The 5 leg giant jack is characterised by its increased steel dimensions throughout, including 1 3/4" solid ACME rod, making it the toughest on the market.

Specifications

- Urethane over steel casters with solid hub increase safety and durability.
- 5,000 lbs. capacity without wheels and casters.
- 2,500 lbs. capacity with steel wheels and urethane casters.
- Operating height with swivel casters: 32" - 44" / 82 - 112 cm
- Operating height with jack only: 24" - 36" / 61 - 92 cm
- Minimum - maximum pipe diameter 1" - 36"
- Solid 1 3/4" ACME-thread adjustment.
- 1 1/2" wide steel / phenolic wheels to reduce instances of "pipe travel".
- Can be purchased as a complete kit as shown: jack, casters, and wheels.
- Turning wheels available in steel, stainless steel, and phenolic.
- Multiple add-ons available, including stainless steel sleeves for contamination free fit-up, recommended hold down chain device for transport, ball transfer attachments for variation of pipe movement and more.



Levelling pads supplied as standard



Hold down chain device 3506 locks pipe to jack



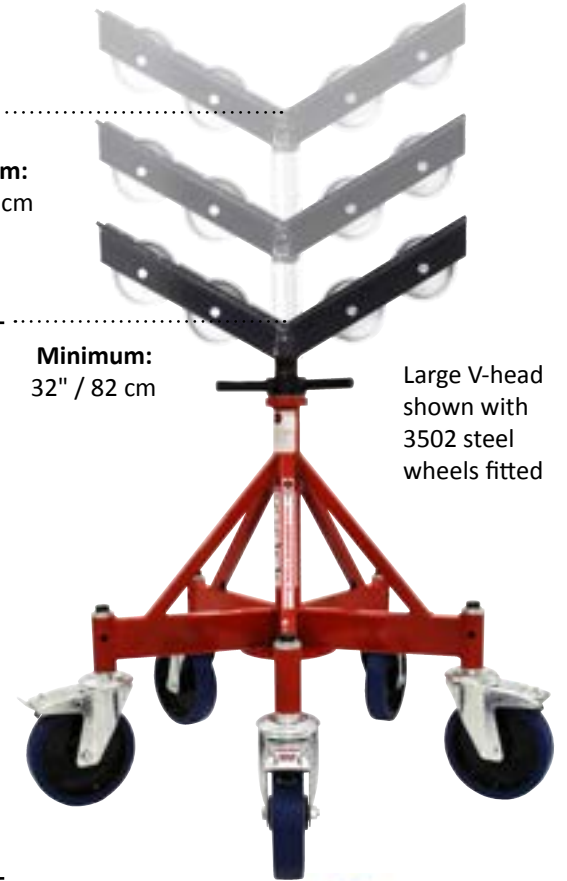
Maximum:
36" / 92 cm

Minimum:
24" / 61 cm

Maximum:
44" / 112cm

Minimum:
32" / 82 cm

Large V-head shown with 3502 steel wheels fitted



Transport pipes around the site or workshop with ease.



Shown with 3504 caster wheel kit fitted and 3506 hold down chain device

5 LEG GIANT JACK HEAD OPTIONS

** Suitable for stainless steel*


DESCRIPTION: 5 leg giant jack (base and V-head)

OLD PART NO		NEW PART NO		
QPS400 + QVH400		3500		
LOAD CAPACITY		WEIGHT		PIPE SIZE
5,000 lbs.	2,265 kg	80 lbs.	36.00 kg	n/a

DESCRIPTION: Steel wheel kit (4 wheels) - 1½" wide wheels

OLD PART NO		NEW PART NO		 V-head not included
SWH400		3502		
LOAD CAPACITY		WEIGHT		PIPE SIZE
2,500 lbs.	1,135 kg	12 lbs.	5.60 kg	1" to 36"

DESCRIPTION: Stainless steel wheel kit (4 wheels) - 1½" wide wheels

OLD PART NO		NEW PART NO		 V-head not included
* SWH400SS		* 3508		
LOAD CAPACITY		WEIGHT		PIPE SIZE
2,500 lbs.	1,135 kg	12 lbs.	5.60 kg	1" to 36"

DESCRIPTION: Phenolic wheel kit (4 wheels) - 1½" wide wheels

OLD PART NO		NEW PART NO		 V-head not included
* NWH400		* 3503		
LOAD CAPACITY		WEIGHT		PIPE SIZE
1,000 lbs.	450 kg	4.5 lbs.	2.00 kg	1" to 36"

DESCRIPTION: Ball transfer stainless steel (pair)

OLD PART NO		NEW PART NO		 V-head not included
* BTH400/SS		* 3509		
LOAD CAPACITY		WEIGHT		PIPE SIZE
1,000 lbs.	450 kg	7 lbs.	3.00 kg	1" to 36"

DESCRIPTION: Stainless steel sleeves (pair)

OLD PART NO		NEW PART NO		 V-head not included
* SSS400		* 3507		
LOAD CAPACITY		WEIGHT		PIPE SIZE
5,000 lbs.	2,265 kg	2 lbs.	1.00 kg	1" to 36"

DESCRIPTION: Hold down chain device

OLD PART NO		NEW PART NO		
HDD400		3506		
LOAD CAPACITY		WEIGHT		PIPE SIZE
n/a	n/a	16 lbs.	7.00 kg	1" to 36"

DESCRIPTION: Caster roller wheel kit for PN 3500 (5 casters)

OLD PART NO		NEW PART NO		
RWK400		3504		
LOAD CAPACITY		WEIGHT		PIPE SIZE
2,500 lbs.	1,135 kg	38 lbs.	17.00 kg	n/a

SIX-FOOT FOLDING PIPE JACK

Easy and safe for high pipe working applications

The B&B Six-foot folding pipe jack is ideal for pipe holding and leveling in high places. With a top height of 72" / 180 cm tall and a bottom adjustment of 39" / 99 cm, the Six-foot jack can be used for many applications.

The Six-foot jack is foldable and can be carried with ease, fitting into tight spaces when transporting. The height adjustment is performed with a locking tube and 1½" ACME adjustment.

Specifications

- Height adjustment: 39" - 72" / 99 - 180 cm
- Weight capacity: 1,000 lbs. / 450 kg
- Extra wide 38" footprint increases stability.
- Lock washer can be fastened to base for safety.
- 1½" ACME-thread adjustment.
- Folding design allows easy access into tight work spaces.
- Bottom T-handle locks folding base into fixed position.
- Pipe diameter: 1" - 12"



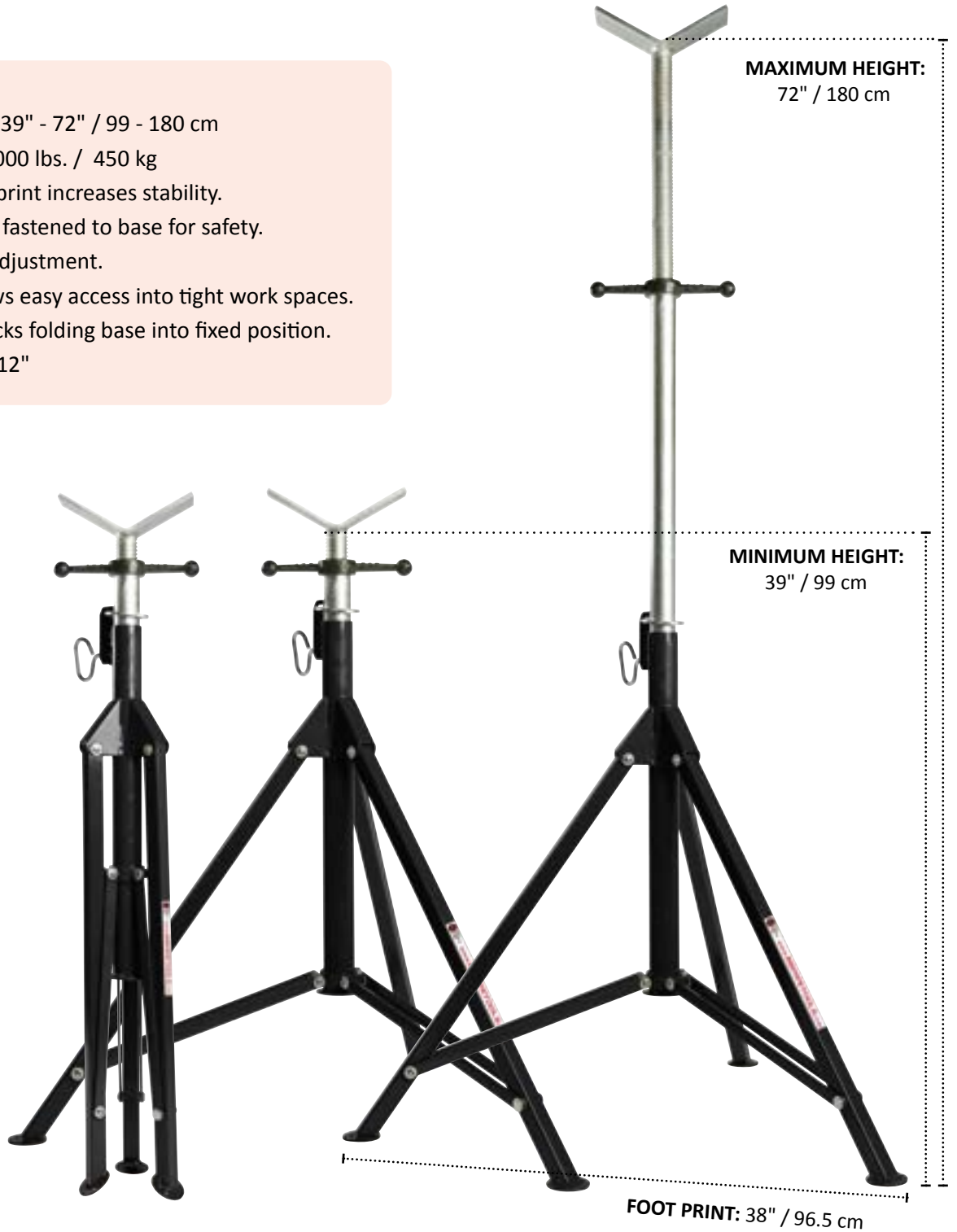
90060 - Steel wheel head



90032 - Phenolic wheel head



90000 - Ball transfer head

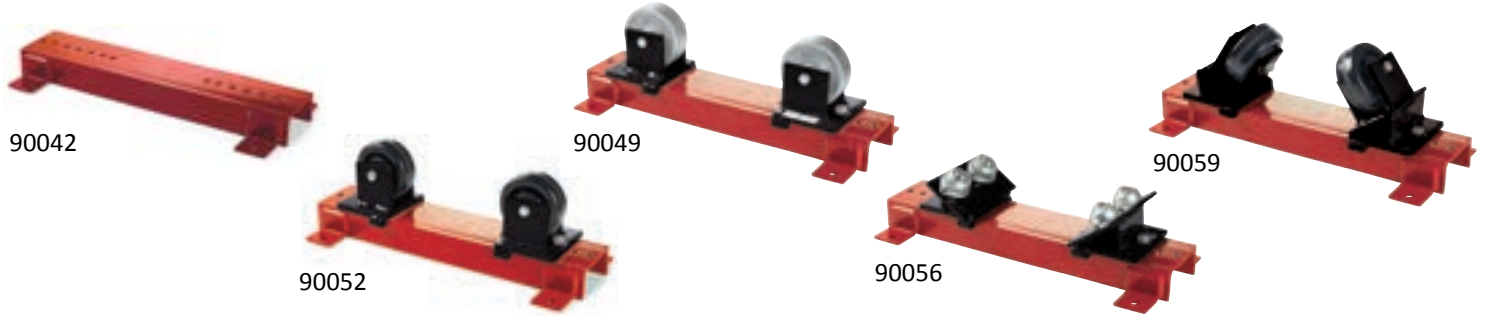


OLD PART NO	NEW PART NO	DESCRIPTION	WEIGHT CAPACITY		WEIGHT		ADJUSTMENT HEIGHT		FOOTPRINT	
HPS600	3610	Six foot folding pipe jack with V-head	1,000 lbs.	450 kg	45 lbs.	20.00 kg	39" - 72"	99 - 182 cm	38"	96.5 cm

ROLLER STAND (HEAVY DUTY)

Floor or bench mountable pipe trestles

These heavy duty stands are designed to be either floor or bench mounted. Available with 4 adjustable head styles to suit pipes from 4 - 48" / 100 - 1,220 mm.



The above part numbers are for wheel heads only. Base (90042) not included.

OLD PART NO	NEW PART NO	DESCRIPTION	WEIGHT CAPACITY		PIPE DIAMETER CAPACITY		UNIT WEIGHT	
RPS500	90042	Base unit only	5,290 lbs.	2,400 kg	4" - 48"	100 - 1,220 mm	13 lbs.	5.80 kg
SWH500	90049	Steel wheel heads (pair)	5,290 lbs.	2,400 kg	4" - 48"	100 - 1,220 mm	8 lbs.	3.50 kg
* SWH500SS	* 90050	Stainless steel wheel heads (pair)	5,290 lbs.	2,400 kg	4" - 48"	100 - 1,220 mm	8 lbs.	3.50 kg
* NWH500	* 90052	Phenolic wheel heads (pair)	1,000 lbs.	450 kg	4" - 48"	100 - 1,220 mm	5 lbs.	2.20 kg
* BTH500SS	* 90056	Stainless steel ball transfer heads (pair)	1,000 lbs.	450 kg	4" - 48"	100 - 1,220 mm	8 lbs.	3.50 kg
S/FTR500	90057	Steel feed through roller (pair)	5,290 lbs.	2,400 kg	4" - 48"	100 - 1,220 mm	8 lbs.	3.50 kg
* SS/FTR500	* 90058	Stainless steel feed through roller (pair)	5,290 lbs.	2,400 kg	4" - 48"	100 - 1,220 mm	8 lbs.	3.50 kg
* N/FTR500	* 90059	Nylon feed through roller head (pair)	1,000 lbs.	450 kg	4" - 48"	100 - 1,220 mm	7 lbs.	3.00 kg

* Suitable for stainless steel

QUICK CHANGE ROLLERS

Rapid, self centering pipe trestles

This quick change roller stand is the top part of the popular duo pipe stand and is suitable to be floor or bench mounted. Available with 2 adjustable head styles to suit pipes from 2" - 48" / 50 - 1,220 mm.

DESCRIPTION: Quick change roller (base unit only)

OLD PART NO.	NEW PART NO	LOAD CAPACITY		WEIGHT	
QCR501	90063	5,290 lbs.	2,400 kg	13 lbs.	5.90 kg

DESCRIPTION: Quick change steel/stainless steel wheel heads (pair)

OLD PART NO.	NEW PART NO	LOAD CAPACITY		WEIGHT	
SWH200	90065	5,290 lbs.	2,400 kg	6 lbs.	3.00 kg
* SWH200SS	* 90066	5,290 lbs.	2,400 kg	6 lbs.	3.00 kg

DESCRIPTION: Quick change phenolic wheel heads (pair)

OLD PART NO.	NEW PART NO	LOAD CAPACITY		WEIGHT	
* NWH200	* 90067	1,000 lbs.	450 kg	5 lbs.	2.20 kg

DESCRIPTION: Quick change stainless steel ball transfer heads (pair)

OLD PART NO	NEW PART NO	LOAD CAPACITY		WEIGHT	
* BTH200SS	* 90068	3,197 lbs.	1,450 kg	6 lbs.	3.00 kg

* Suitable for stainless steel

UNO PIPE JACK STAND

Specialist pipe stand for low level and tight access



The UNO pipe jack stand is a basic single tubed pipe stand, simple to use and easy to set-up.

Popular for tight access jobs in power stations, submarines, refineries, etc.

A favourite for low level work in all fab shops.

Available in 4 standard heights.

Roller heads can also be fitted to the V-head of the UNO pipe jack stand to suit varying applications.



90060 - Steel wheel head



90032 - Phenolic wheel head



90000 - Ball transfer head

PART NO	DESCRIPTION	MIN/MAX HEIGHT		LOAD CAPACITY		PIPE SIZE
UPS01	Uno pipe jack stand - size 1 (base only)	7 - 12"	175 - 300 mm	1,000 lbs.	450 kg	up to 12"
UPS02	Uno pipe jack stand - size 2 (base only)	12 - 17"	300 - 425 mm	1,000 lbs.	450 kg	up to 12"
UPS03	Uno pipe jack stand - size 3 (base only)	17 - 22"	425 - 550mm	1,000 lbs.	450 kg	up to 12"
UPS04	Uno pipe jack stand - size 4 (base only)	22 - 27"	550 - 675 mm	1,000 lbs.	450 kg	up to 12"

We can manufacture to any height with 5" / 125mm range

TRI-STAND CHAIN VICE

The B&B Tri-stand chain vice is a proven design used on construction sites around the globe.



Specifications

- Durable cast aluminium head balances lightweight and durability.
- Heavy duty hold down tightening device with replaceable jaw.
- Folding legs with chain lock.
- Leg bracing doubles as a lipped shelf for holding additional tooling and machines.
- Up to 6" pipe capacity
- Boxed and fully assembled, ready for immediate use. (box dimensions: 46" x 18" x 16")
- Heavy duty jaws
- 55" width x 35" height (working dimensions)
- 1,000 lbs. / 450 kg capacity

OLD PART NO	NEW PART NO	DESCRIPTION	SHIPPING WEIGHT	
TCVS6	6100	Tri-stand chain vice - up to 6" pipe diameter capacity	42 lbs.	19.00 kg
PCV6	90041	Pipe chain vice clamp - up to 6" pipe diameter capacity	11 lbs.	5.00 kg

MEGA ROLLERS AND STANDS



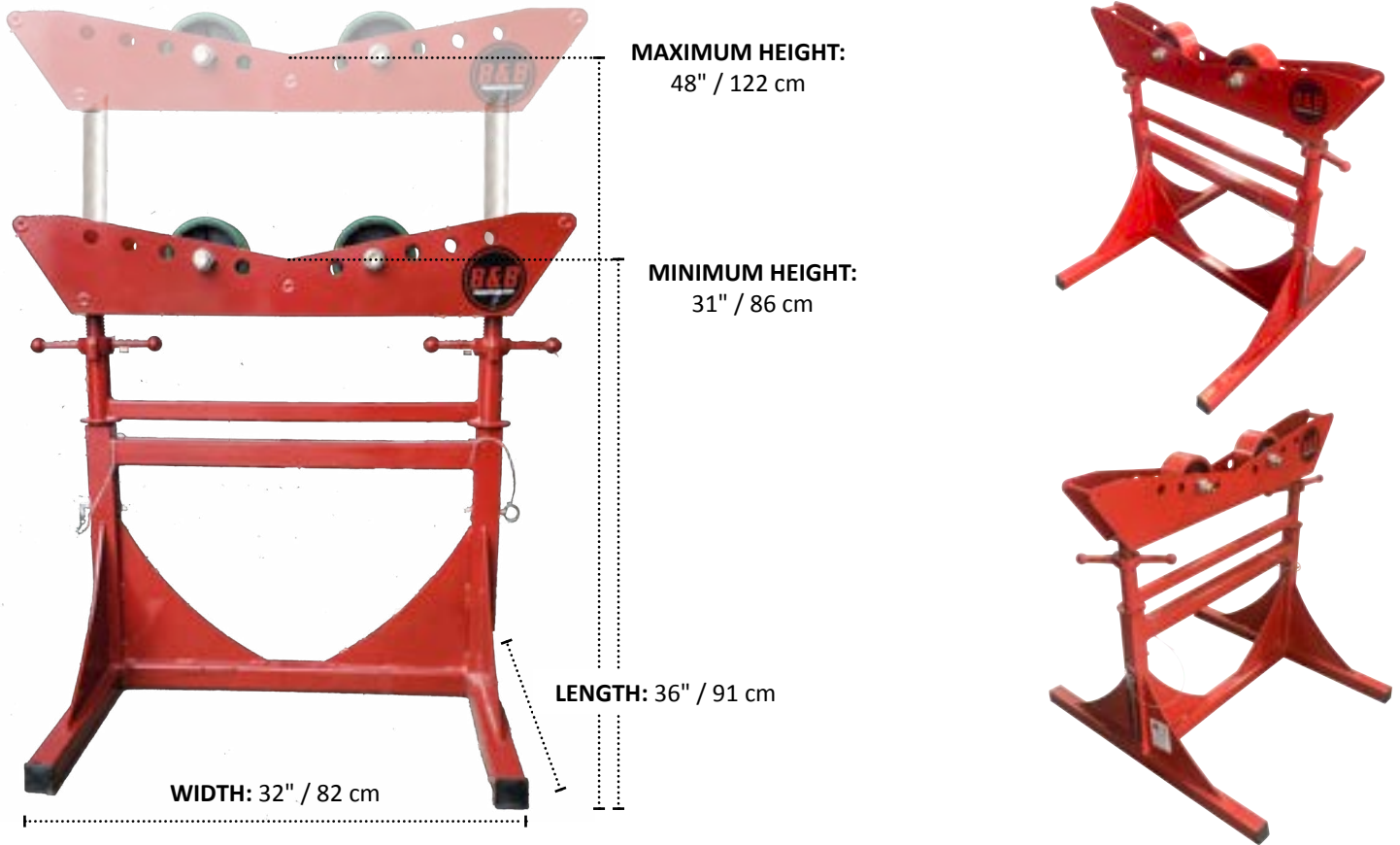
MEGA ROLLER STAND - 6,000 lbs. 3 US TON

The B&B mega roller (6,000 lbs. / 2,721 kg) is a high capacity pipe roller designed for heavy duty job-site use.

Its oversized 6" x 3" wheels have an urethane over steel design, offering numerous advantages: they allow ultra smooth pipe rotation via heavy duty sealed bearings, for both steel, stainless steel and exotic alloys pipe. The unique head design also allows the removal of the wheels, transforming to a V-head stand restricting pipe rotation.

The robust construction, with its twin solid ACME rods, allows to raise and lower the headstock and wheels for precise fit-ups even under load.

All mega rollers are powder coated, have quick release axle pins, and are modular allowing additional feed wheels and casters for mega movement.



Specifications

- Weight capacity: 6,000 lbs. / 2,721 kg
- Pipe capacity: 4" - 48" / 10 - 121 cm
- Working height: 31" - 48" / 86 - 122 cm
- 6" x 3" heavy duty urethane over steel wheels with sealed bearings for smooth pipe rotation.
- Contamination free wheels are ideal for steel and exotic pipe fabrication.
- Heavy gauge steel construction throughout. These mega rollers are made for years of job-site abuse.
- Powder coated safety red for high visibility.
- Expanded foot print at 36" x 32" / 91 x 82 cm increases pipe stability.
- Modular design allows caster and feed roller additions.

OLD PART NO	NEW PART NO	DESCRIPTION	WEIGHT CAPACITY		PIPE DIAMETER CAPACITY		UNIT WEIGHT		FOOTPRINT		STANDARD HEIGHT ADJUSTMENT	
MPS3000	3807	Mega Roller Tall - 6,000 lbs	6,000 lbs.	2,721 kg	4" - 48"	10 - 121 cm	118 lbs.	48.00 kg	36" x 32"	91 x 81 cm	34" - 48"	86 - 121 cm

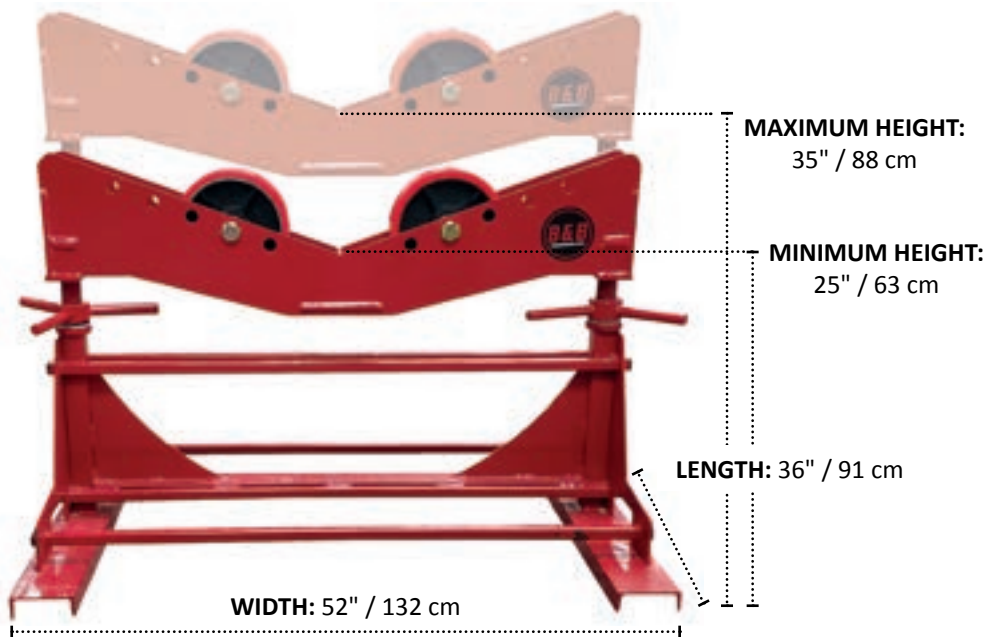
MEGA ROLLER STAND - 10,000 lbs. 5 US TON

The B&B mega roller (10,000 lbs. / 4,535 kg) is a high capacity pipe roller designed for heavy duty job-site use.

Its oversized 10" x 3" wheels have an urethane over steel design, offering numerous advantages: they allow ultra smooth pipe rotation via heavy duty sealed bearings, for both steel, stainless steel and exotic alloys pipe. The unique head design also allows the removal of the wheels, transforming to a V-head stand restricting pipe rotation.

The robust construction, with its twin solid ACME rods, allows to raise and lower the headstock and wheels for precise fit-ups even under load.

All mega rollers are powder coated, have quick release axle pins, and are modular allowing additional feed wheels and casters for mega movement.



Specifications

- Weight capacity: 10,000 lbs. / 4,535 kg
- Pipe capacity: 4" - 60" / 10 - 152 cm
- Working height: 25" - 35" / 63 - 88 cm
- 10" x 3" heavy duty urethane over steel wheels with sealed bearings for smooth pipe rotation.
- Contamination free wheels are ideal for steel and exotic pipe fabrication.
- Heavy gauge steel construction throughout. These mega rollers are made for years of job-site abuse.
- Powder coated safety red for high visibility.
- Expanded foot print at 36" x 52" / 91 x 132 cm increases pipe stability.
- Modular design allows caster and feed roller additions.
- Four side fork lift access.

OLD PART NO	NEW PART NO	DESCRIPTION	WEIGHT CAPACITY		PIPE DIAMETER CAPACITY		UNIT WEIGHT		FOOTPRINT		STANDARD HEIGHT ADJUSTMENT	
MP55000	3802	Mega Roller - 10,000 lbs.	10,000 lbs.	4,535 kg	4" - 60"	10 - 152 cm	263 lbs.	120 kg	36" x 52"	91 x 132 cm	25" - 35"	63.5 - 89 cm

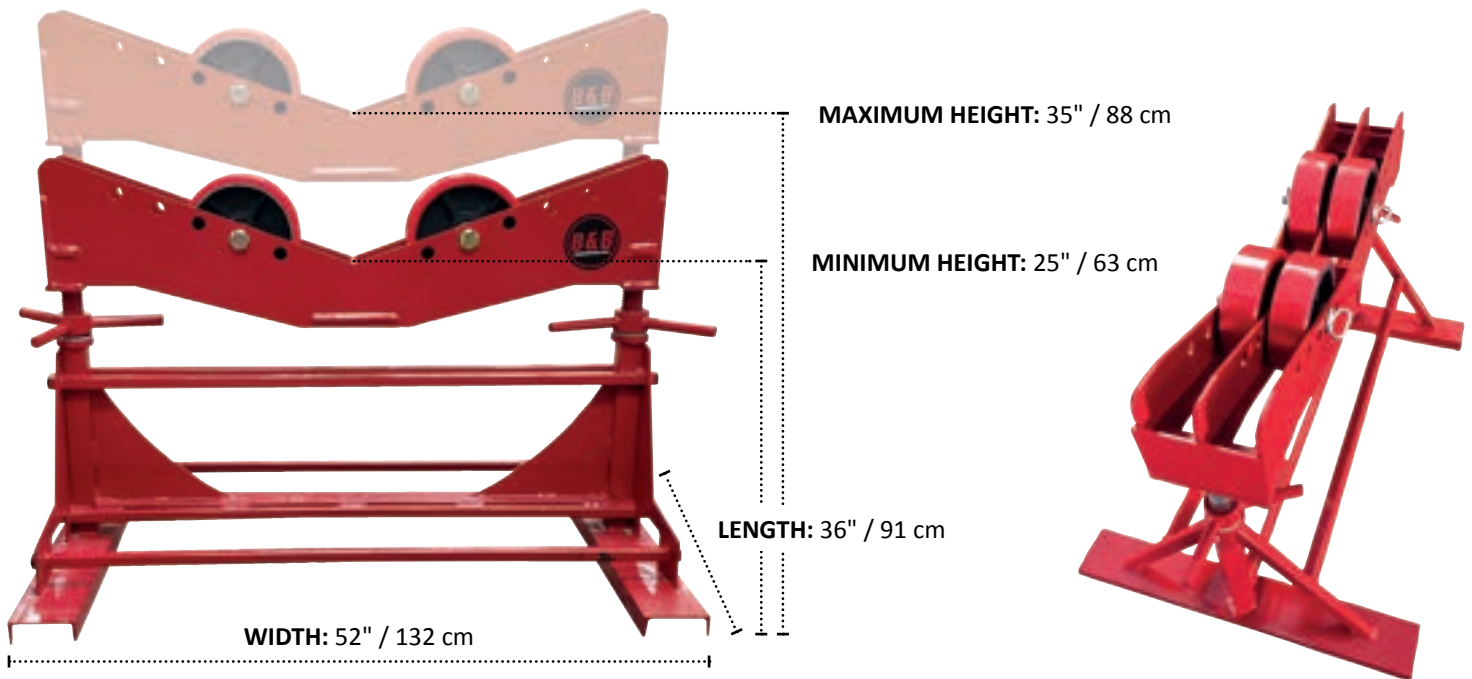
MEGA ROLLER STAND - 15,000 lbs. 7.5 US TON

The B&B mega roller (15,000 lbs. / 6,803 kg) is a high capacity pipe roller designed for heavy duty job-site use. This mega roller is built on the same platform as the 10,000 lbs. roller, but has an increased headstock width and two additional wheels added.

Its oversized 10" x 3" wheels have an urethane over steel design, offering numerous advantages: they allow ultra smooth pipe rotation via heavy duty sealed bearings, for both steel, stainless steel and exotic alloys pipe. The unique head design also allows the removal of the wheels, transforming to a V-head stand restricting pipe rotation.

The robust construction, with its twin solid ACME rods, allows to raise and lower the headstock and wheels for precise fit-ups even under load.

All mega rollers are powder coated, have quick release axle pins, and are modular allowing additional feed wheels and casters for mega movement.



Specifications

- Weight capacity: 15,000 lbs. / 6,803 kg
- Pipe capacity: 4" - 60" / 10 - 152 cm
- Working height: 25" - 35" / 63 - 88 cm
- Four 10" x 3" heavy duty urethane over steel wheels with sealed bearings for smooth pipe rotation.
- Contamination free wheels are ideal for steel and exotic pipe fabrication.
- Heavy gauge steel construction throughout. These mega rollers are made for years of job-site abuse.
- Powder coated safety red for high visibility.
- Expanded foot print at 36" x 52" / 91 x 132 cm increases pipe stability.
- Modular design allows caster and feed roller additions.
- Four side fork lift access.

OLD PART NO	NEW PART NO	DESCRIPTION	WEIGHT CAPACITY		PIPE DIAMETER CAPACITY		UNIT WEIGHT		FOOTPRINT		STANDARD HEIGHT ADJUSTMENT	
MPS8000	3808	Mega Roller - 15,000 lbs.	15,000 lbs.	6,803 kg	4" - 60"	10 - 152 cm	350 lbs.	158.7 kg	36" x 52"	91 x 132 cm	25" - 35"	63.5 - 89 cm

MATERIAL HANDLING EQUIPMENT



PIPE CART

The B&B Pipe cart is a six wheeled, low height, narrow width cart that is strong enough to carry 2,000 lbs. / 910 kg, but agile enough to turn and fit through doorways with ease.

The push handles and V-block can be unassembled and stored in seconds when not in use.

If you remove the V-block attachment from the cart you have a 2,000 lbs. / 910 kg cart capable of moving just about anything within rated capacity.

The carts can be stacked for shipment and storage, and the casters ship assembled to the cart ready for use.



PART NO 2015-6F



2,000 lbs. / 910 kg capacity!

HEIGHT: 20" / 51 cm

LENGTH: 57" / 145 cm

WIDTH: 34" / 86 cm



PART NO 2015-6F - Folds and stacks

Specifications

- Transports pipe up to 24 foot / 750 cm in length.
- Pipe capacity: up to 36"
- 6 wheels ideal for workshop transportation
- Removable V for squares and flats.
- Removable handles for stacking and storage.

OLD PART NO	NEW PART NO	DESCRIPTION	WEIGHT CAPACITY	PIPE DIAMETER CAPACITY	SHIPPING WEIGHT	FOOTPRINT
PC1	2015-6F	Pipe cart with floor	2,000 lbs. / 910 kg	up to 36" diameter pipe	185 lbs. / 84 kg	57" x 34" x 20" / 145 x 86 x 51 cm

BABY PIPE BUGGY



The B&B Baby pipe buggy is designed to help move pipe, fittings and other items with ease. Great for use in construction projects around the world, the B&B Baby pipe buggy ships in a cardboard box with 5 minute assembly of wheels and handle.

16" tires can move up to 1,000 lbs. / 453 kg payload and up to 12" diameter pipe.

The B&B Baby pipe buggy is shipped with a hold down strap.

Specifications

- Transports pipe up to 20 foot / 610 cm in length
- 1,000 lbs. / 453 kg capacity
- Carries up to 12" diameter pipe, fittings, packages, and more
- Comes with hold down strap

Note: Flat free tires are standard.

OLD PART NO	NEW PART NO	DESCRIPTION	WEIGHT CAPACITY		PIPE DIAMETER CAPACITY	SHIPPING WEIGHT		FOOTPRINT	
PB1	2013	Baby pipe buggy	1,000 lbs.	453 kg	up to 12" diameter pipe	118 lbs.	53 kg	28" x 28" x 21"	71 x 71 x 53 cm

BIGGY PIPE BUGGY

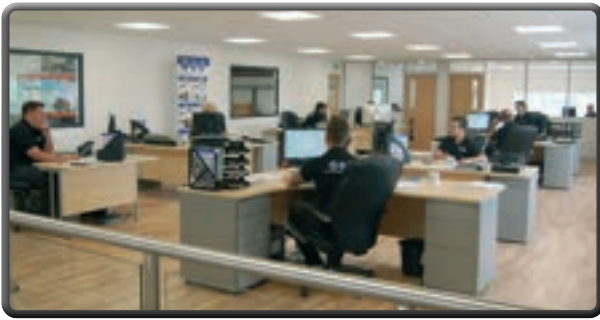
The B&B Biggy pipe buggy allows one man to move up to 24 foot / 732 cm long pipe and up to 2,000 lbs. / 907 kg of weight unassisted. The B&B Biggy pipe buggy ships unassembled in a wooden crate for ease of shipment and can be assembled in less than 15 minutes.



Specifications

- Transports pipe up to 24 foot / 732 cm
- 2,000 lbs. / 907 kg capacity
- Product dimension assembled: 12 feet in length x 35" width
- Carries up to 20" diameter pipe, fittings, boxes and more

OLD PART NO	NEW PART NO	DESCRIPTION	WEIGHT CAPACITY		PIPE DIAMETER CAPACITY	SHIPPING WEIGHT		FOOTPRINT	
PD1	2014	Biggy pipe buggy	2,000 lbs.	907 kg	up to 20" diameter pipe	260 lbs.	120 kg	81" x 31" x 16"	205 x 78 x 40 cm



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.



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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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