

PIPE COLD CUTTING AND BEVELLING MACHINES



H&S TOOL
AN  GROUP BRAND

BROCHURE

www.HSTOOL.com



The **Specialized Fabrication Equipment Group** (in short: **S.F.E. Group**) was founded in 2019 after the merger of three world leading OEM's in the field of pipe fabrication tooling and machinery: B&B Pipe and Industrial Tools LLC (USA), Mathey Dearman Inc. (USA) and TAG Pipe Equipment Specialists (UK). In a time span of 4 years, another 3 renowned and market leading companies were acquired and added to the S.F.E. Group portfolio: Axxair (France, 2022), Magnatech (USA, 2023) and Climax (USA, 2023).

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

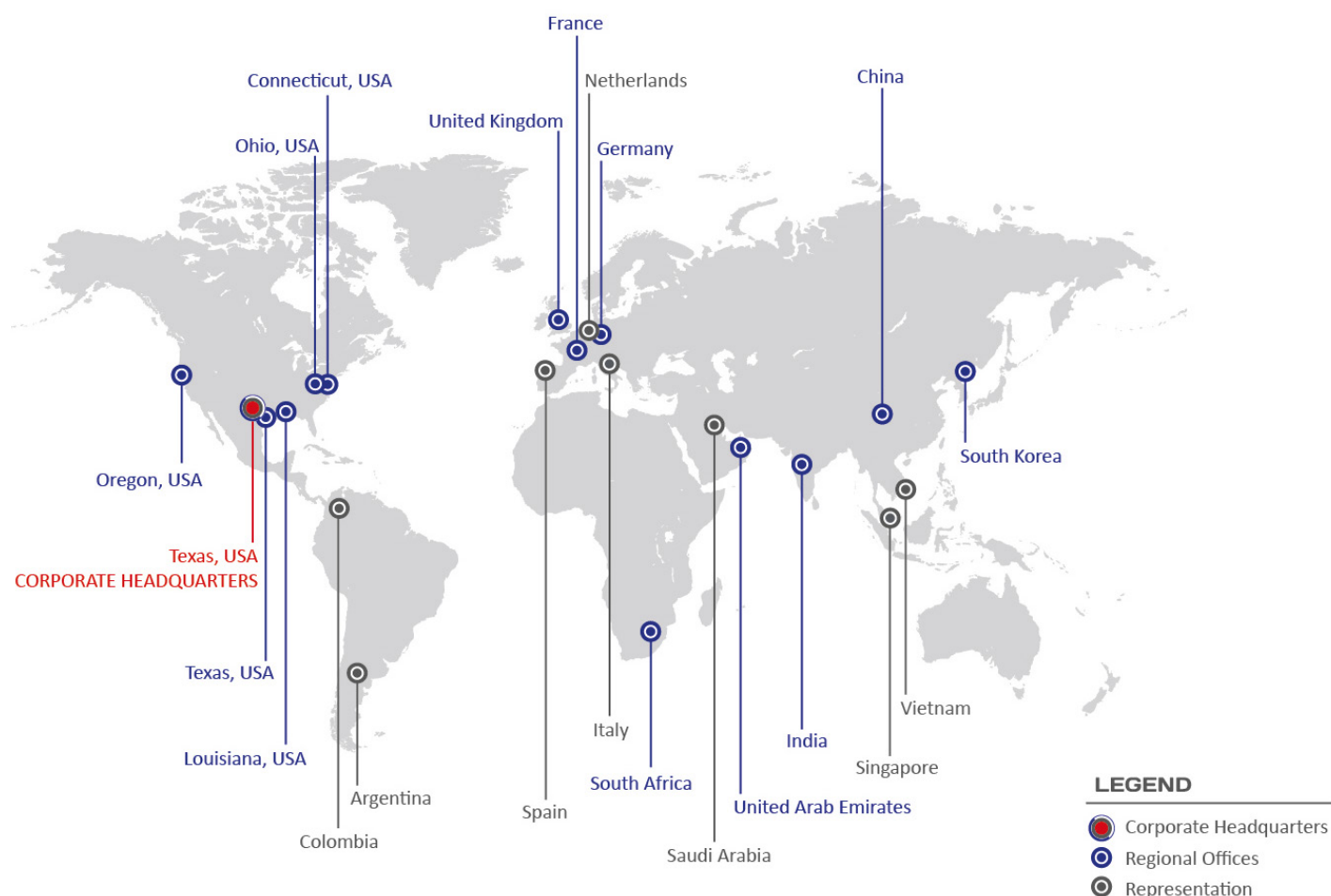
Backed by over 200 years combined engineering, manufacturing and application experience, the **S.F.E. Group** is continuously exploring new product design and development, as well as add-on acquisitions to enhance its portfolio, to strengthen its global and innovative leadership role and to fulfil increasing industries' demands. Currently the **S.F.E. Group** entails 11 individual brands that all complement and intertwine with one another.

With offices and warehousing on 5 continents, 300+ employees and more than 350 partnerships and distributors worldwide, **S.F.E. Group** prides itself in consistently offering the highest standard of both product quality and service locally to all its customers.

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

Contact Americas: sales@sfe-brands.com
Contact International: sales-int@sfe-brands.com

S.F.E. GROUP GLOBAL PRESENCE





The S.F.E. Group's brand **H&S Tool** has its roots in the 1970's in the United States with the manufacturing and supplying of pipework fabrication machinery. Over the years H&S Tool became internationally one of the foremost leaders in its field, and today S.F.E. Group's unrivalled **H&S Tool** range of cold cutting and bevelling machines is established and recognized as a world class leading brand.

Backed by more than 50 years of development, **H&S Tool** not only offers the highest quality heavy duty machines utilizing the latest technology, but also stands for an emphasis on continuous R&D and tailor made solutions. As an OEM, S.F.E. Group prides itself being renowned for its innovations, ground-breaking developments and patented designs within the **H&S Tool** range. With its engineering capabilities, customer-oriented focus and flexibility, the **H&S Tool** brand provides the possibility to design out-of-the-box machining applications and solutions to fulfil customers' projects' specific needs in particular, and to cater for an ever-evolving industry in general.

The **H&S Tool** portfolio consists of a complete range of portable pipe bevel machines (PREP machines covering 1 - 24" i/d), panel prep machines (0.3 - 4" o/d) and the **H&S Tool** cutting and bevelling splitframe clamshell machines (1 - 120" o/d) as well as the stationary, yet moveable E-Z FAB machines (2" - 16") for pipe cutting and bevelling.

H&S Tool machines are always nearby available within the S.F.E. Group Americas' network and can be consulted on the dedicated website: www.HSTOOL.com.



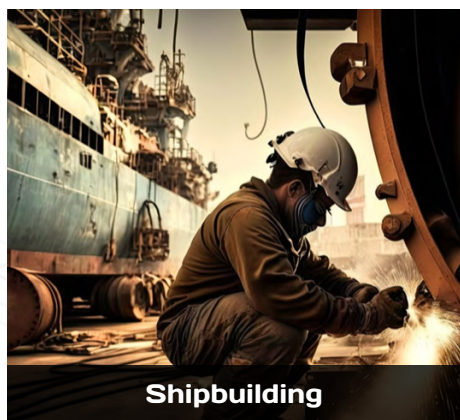
Oil & Gas



Power Generation



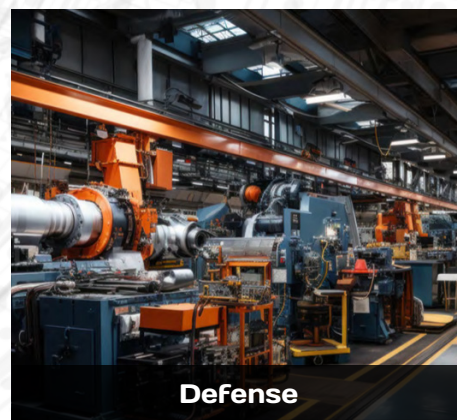
Manufacturing & Fabrication



Shipbuilding



Infrastructure



Defense

OUR BRANDS

CLIMAX



H&S TOOL

AXXAIR

MAGNATECH

**MATHEY
DEARMAN**

B&B Pipe &
Industrial
Tools

CALDER

BORTECH

PDM
PIPE PURGE MASTERS

FIT-UP PRO
By Mathey Dearman

Our group policy is one of continuous improvements and acquisitions. Products and data tables are subject to change and may vary from those illustrated. Copyright © 2024 Specialized Fabrication Equipment Group, All rights reserved.

PREP PORTABLE PIPE BEVELLING MACHINES

5

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

9

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

13

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

17

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

21

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

25

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

29

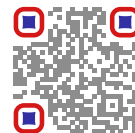
PREP 16 AND PREP 24 ELBOW / FITTING PIPE BEVELLING MACHINE

31

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

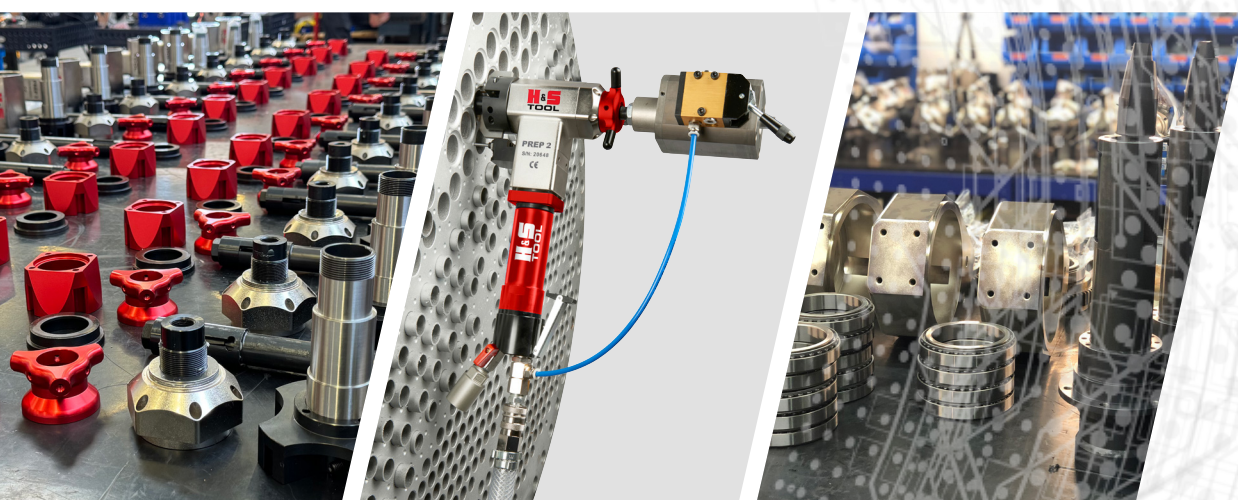


PREP 2 PORTABLE PIPE BEVELLING MACHINE



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

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





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

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

The smallest in our range of i/d locking, direct in-line feed end prep machines. The PREP 2 is small, light weight, yet powerful, in electric, battery (110v or 220v) or pneumatic drive form. A 4-jaw tool holder (chuck) allows use of up to 4 formed tools to enable weld preparation of thin wall tube, or heavy wall pipe. Simultaneous external and internal beveling and facing of tubes is simple, ideal for accurate repetitive work.

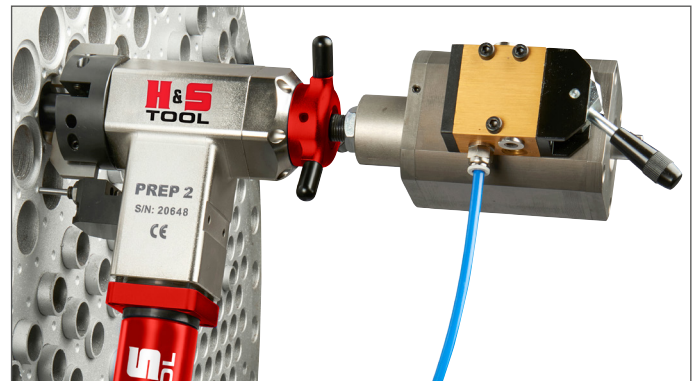
Its size, power, and functionality, make it extremely popular in high volume heat exchanger work, tube facing, weld removal, and J-prepping of the tube plate. Also used extensively on power station shutdowns for boiler panel bevels.

FEATURES AND ADVANTAGES




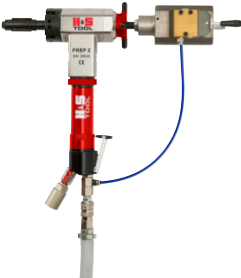

The PREP 2 is torque reactive. This means that the pipe or tube does not have to be fixed to be bevelled, making it particularly useful on-site, in maintenance and repair situations. This is due to the design and strength of the thru shaft system that locks to the bore of the pipe.

The jaw system itself consists of 3 equilateral positioned machined jaw segments, retained and locked on an inner, 'grooved' expansion shaft. These grooves keep the jaws held securely in position, unlike other systems that use a metal or rubber bands for jaw retention. As the expansion nut is tightened, the jaws expand, locking tightly, and square to the bore of the pipe.



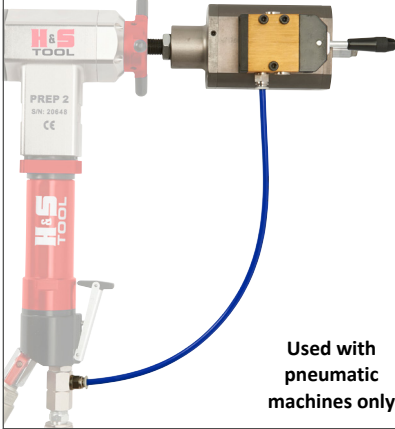


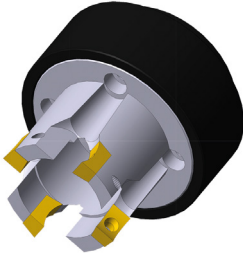
The machine body is CNC machined out of solid aluminum and nickel plated. This ensures strength and leads to precise tolerances on all components, resulting in a stable heavy duty machine that does not move under load, we also ensure all components are treated utilising the latest technologies to ensure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



POWER OPTIONS

<p>PNEUMATIC</p>  <p>PART NO. HSP2P</p>	<p>ELECTRIC</p>  <p>PART NO. HSP2E110 PART NO. HSP2E220</p>	<p>BATTERY</p>  <p>PART NO. HSP2B110 PART NO. HSP2B220</p>	<p>PNEUMATIC ALD</p>  <p>PART NO. HSP2PALD</p>	<p>COMPLETE LEVER</p>  <p>PART NO. HSP2PALL</p>
---	---	--	--	--

ACCESSORIES AND OPTIONS

<p>REDUCED SHAFT</p> <p>0.5 - 0.9" i/d 12.5 - 23 mm i/d</p>  <p>PART NO. TP2RSK</p>	<p>ELBOW / FITTINGS SHAFT</p> <p>1 - 2" i/d 26 - 51 mm i/d</p>  <p>PART NO. TP2ESK</p>	<p>AUTO LOCK</p>  <p>Used with pneumatic machines only</p> <p>PART NO. XP1-TP2ALD</p>
<p>RATCHET HANDLES</p>  <p>PART NO. HSP2RHK</p>	<p>FEED STOPPER</p>  <p>PART NO. TP2FSK</p>	<p>MILLING HEADS</p>  <p>PART NO. CTBHSF***</p>

PREP 2 TECHNICAL FEATURES

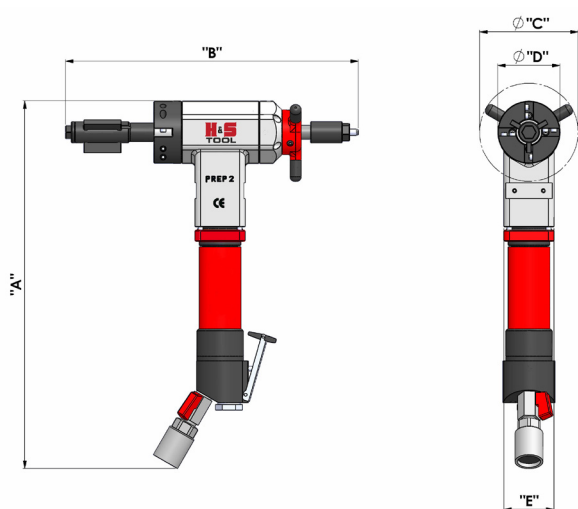
DESCRIPTION	MEASUREMENT	PNEUMATIC	ELECTRIC	BATTERY
Part Number	n/a	HSP2P / HSP2PALD / HSP2PALL	HSP2E110 / HSP2E220	HSP2B110 / HSP2B220
Locking tube range	mm (i/d)	23 - 42 mm optional from 12.5	23 - 42 mm optional from 12.5	23 - 42 mm optional from 12.5
Locking tube range	inch (i/d)	0.9 - 1.65" optional from 0.5"	0.9 - 1.65" optional from 0.5"	0.9 - 1.65" optional from 0.5"
Idle speed	rpm	5 - 215	5 - 250	80 / 120 / 160
Torque	N m	56	50	60
Length of axial feed	mm	24	24	24
Max operating temperature	°C	55	55	55
Max acoustic radiation	dB	75	75	75
Pneumatic motor power	hp	0.7	n/a	n/a
Air consumption	cfm / l/min.	28 / 800	n/a	n/a
Air working pressure	psi / bar	90 / 6.5	n/a	n/a
Air hose connection	inches	½"	n/a	n/a
Electric motor power	watt	n/a	720	800
Voltage	volt	n/a	110 or 220	charger 110 or 220
Frequency	Hz	n/a	50 / 60	charger 50 / 60
Unit weight	kg / lbs	4.8 / 10.6	5.5 / 12	5.7 / 12.5
Packing dimensions	mm	545 x 400 x 120	545 x 400 x 120	560 x 570 x 120
Packing weight	kg / lbs	13.5 / 30	14.5 / 32	15.5 / 34

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

- All units are supplied complete with all gripping segments to cover the full range of the machine. Service tools, drawings, instruction manual and warranty certificate are also supplied as standard.
- Each machine is supplied with a protective custom built metal box.
- Pneumatic machine must be used with filter lubricator and oil - use without will void warranty.



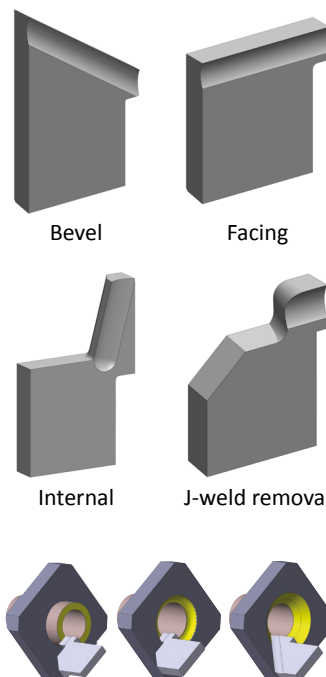
DIMENSIONS



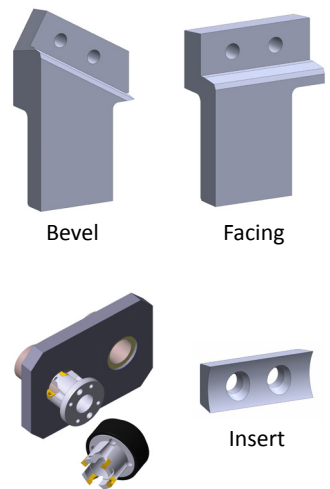
DIM	PNEUMATIC	ELECTRIC	BATTERY
A	400 mm	430 mm	470 mm
B	316 mm	316 mm	316 mm
ØC	106 mm	106 mm	106 mm
ØD	67 mm	67 mm	67 mm
E	54 mm	72 mm	72 mm

EXAMPLES OF COMMON CUTTING TOOLS

FORMED TOOLS

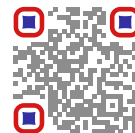


HOLDER / INSERT



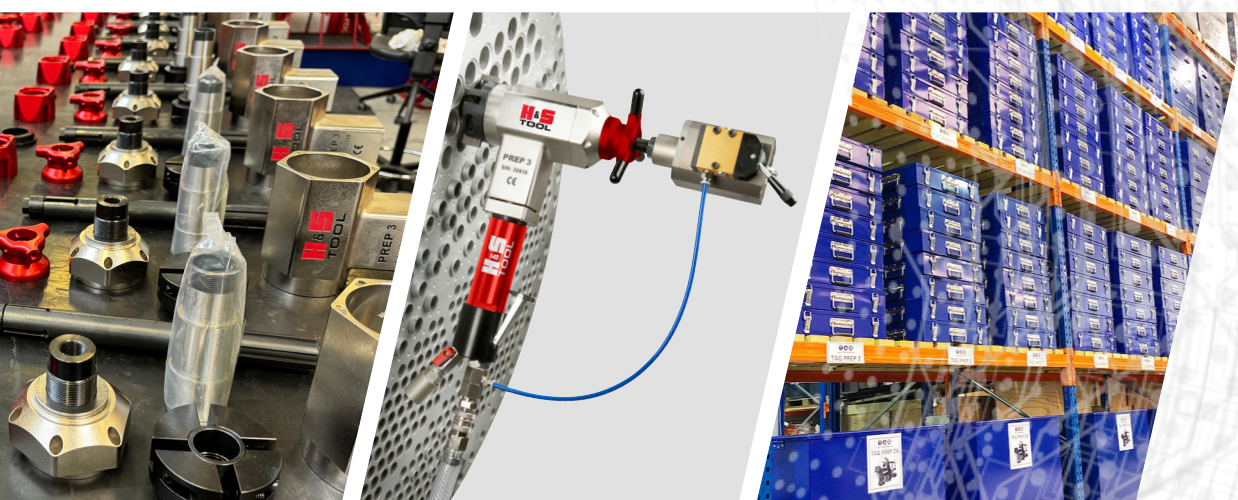
All shapes, sizes and angles available

PREP 3 PORTABLE PIPE BEVELLING MACHINE



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

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





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

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



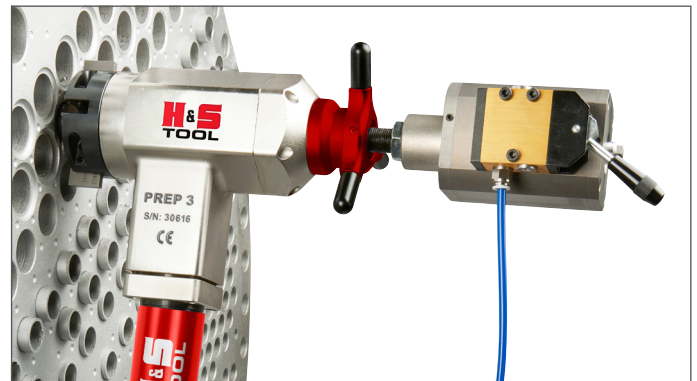
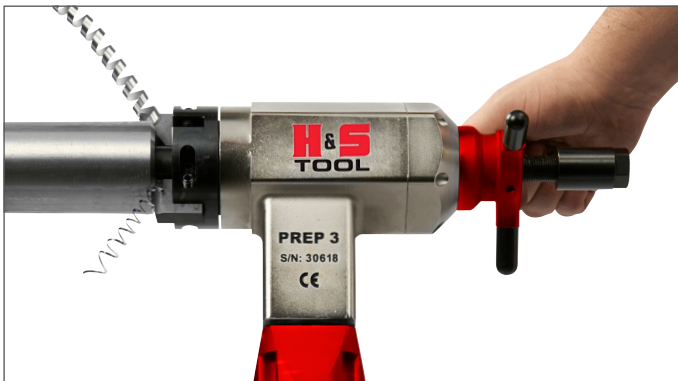
The PREP 3 is a popular i/d locking, in-line feed end prep machine. The PREP 3's power to weight ratio, in electric, battery (110v or 220v), or pneumatic drive form is unrivalled. A 4-jaw tool holder (chuck) allows use of up to 4 insert or formed tools to enable beveling of heavy wall pipe and tube. Simultaneous external, internal and facing of tubes can be performed with ease for accurate repetitive work. Its size, power, and functionality, makes it extremely popular in high volume boiler repair and maintenance work, tube facing, weld removal, and J-prepping of the tube plates and panels.

FEATURES AND ADVANTAGES




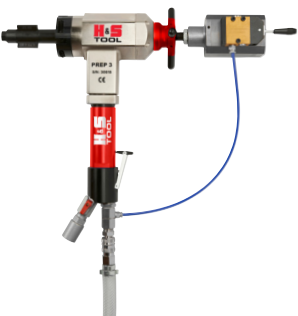
The PREP 3 is torque reactive. This means that the pipe or tube does not have to be fixed to be bevelled, making it particularly useful on-site, in maintenance and repair situations. This is due to the design and strength of the thru shaft system that locks to the bore of the pipe.

The jaw system itself consists of 3 equilateral positioned machined jaw segments, retained and locked on an inner, 'grooved' expansion shaft. These grooves keep the jaws held securely in position, unlike other systems that use a metal or rubber bands for jaw retention. As the expansion nut is tightened, the jaws expand, locking tightly, and square to the bore of the pipe.



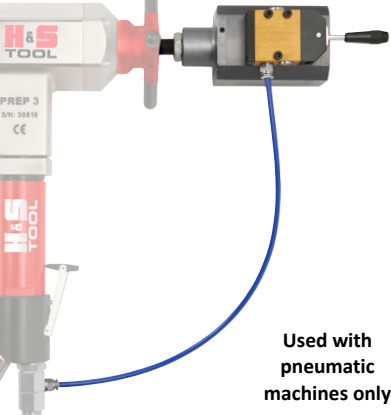


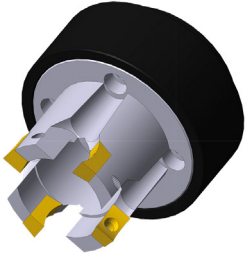
The machine body is CNC machined out of solid aluminum and nickel plated. This ensures strength and leads to precise tolerances on all components, resulting in a stable heavy duty machine that does not move under load, we also ensure all components are treated utilising the latest technologies to ensure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



POWER OPTIONS

<p>PNEUMATIC</p>  <p>PART NO. HSP3P</p>	<p>ELECTRIC</p>  <p>PART NO. HSP3E110 PART NO. HSP3E220</p>	<p>BATTERY</p>  <p>PART NO. HSP3B110 PART NO. HSP3B220</p>	<p>PNEUMATIC ALD</p>  <p>PART NO. HSP3PALD</p>
--	---	---	---

ACCESSORIES AND OPTIONS

<p>REDUCED SHAFT</p> <p>0.8 - 1.2" i/d 20 - 30 mm i/d</p>  <p>PART NO. TP3RSKV2</p>	<p>ELBOW / FITTINGS SHAFT</p> <p>1.5 - 3" i/d 38 - 79 mm i/d</p>  <p>PART NO. TP3ESKV2</p>	<p>AUTO LOCK</p>  <p>Used with pneumatic machines only</p> <p>PART NO. XP-TP3-4ALD</p>
<p>RATCHET HANDLES</p>  <p>PART NO. HSP3RHKV2</p>	<p>FEED STOPPER</p>  <p>PART NO. TP3FSK</p>	<p>MILLING HEADS</p>  <p>PART NO. CTMH***BMR</p>

PREP 3 TECHNICAL FEATURES

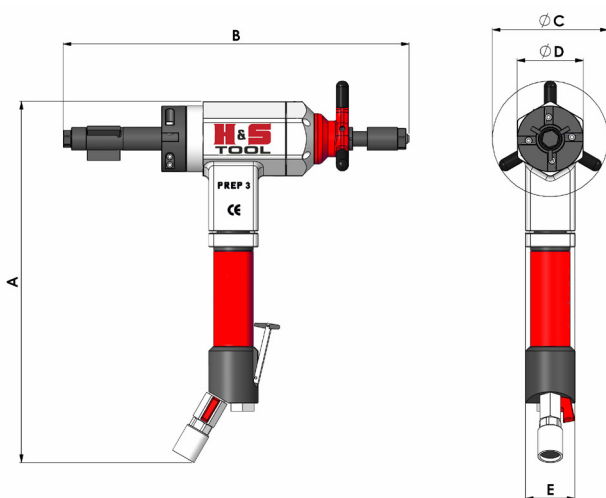
DESCRIPTION	MEASUREMENT	PNEUMATIC	ELECTRIC	BATTERY
Part Number	n/a	HSP3P / HSP3PALD	HSP3E110 / HSP3E220	HSP3B110 / HSP3B220
Locking tube range	mm (i/d)	28 - 76 mm optional from 20	28 - 76 mm optional from 20	28 - 76 mm optional from 20
Locking tube range	inch (i/d)	1.1 - 2.99" optional from 0.8"	1.1 - 2.99" optional from 0.8"	1.1 - 2.99" optional from 0.8"
Idle speed	rpm	5 - 120	5 - 82	23 / 37 / 50
Torque	N m	140	152	140
Length of axial feed	mm	40.5	40.5	40.5
Max operating temperature	°C	55	55	55
Max acoustic radiation	dB	75	75	75
Pneumatic motor power	hp	1.35	n/a	n/a
Air consumption	cfm / l/min.	36 / 1020	n/a	n/a
Air working pressure	psi / bar	90 / 6.5	n/a	n/a
Air hose connection	inches	½"	n/a	n/a
Electric motor power	watt	n/a	1300	800
Voltage	volt	n/a	110 or 220	charger 110 or 220
Frequency	Hz	n/a	50 / 60	charger 50 / 60
Unit weight	kg / lbs	8.9 / 19.5	9.9 / 22	10.4 / 23
Packing dimensions	mm	640 x 500 x 140	640 x 500 x 140	640 x 640 x 140
Packing weight	kg / lbs	23 / 51	24 / 53	25 / 55

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

- All units are supplied complete with all gripping segments to cover the full range of the machine. Service tools, drawings, instruction manual and warranty certificate are also supplied as standard.
- Each machine is supplied with a protective custom built metal box.
- Pneumatic machine must be used with filter lubricator and oil - use without will void warranty.



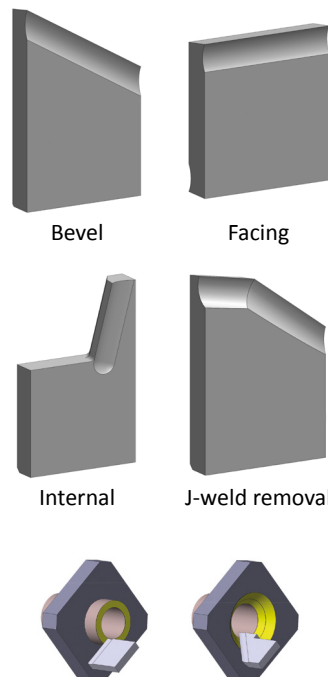
DIMENSIONS



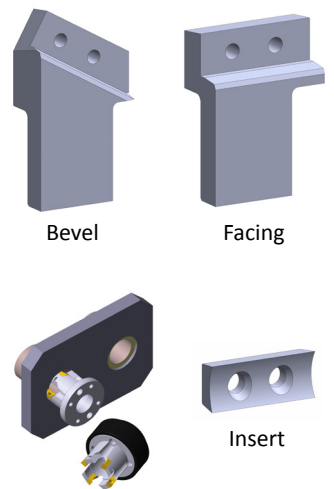
DIM	PNEUMATIC	ELECTRIC	BATTERY
A	435 mm	500 mm	530 mm
B	402 mm	402 mm	402 mm
ØC	140 mm	140 mm	140 mm
ØD	80 mm	80 mm	80 mm
E	60 mm	90 mm	90 mm

EXAMPLES OF COMMON CUTTING TOOLS

FORMED TOOLS



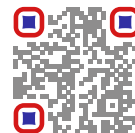
HOLDER / INSERT



All shapes, sizes and angles available

PREP 4 PORTABLE PIPE BEVELLING MACHINE

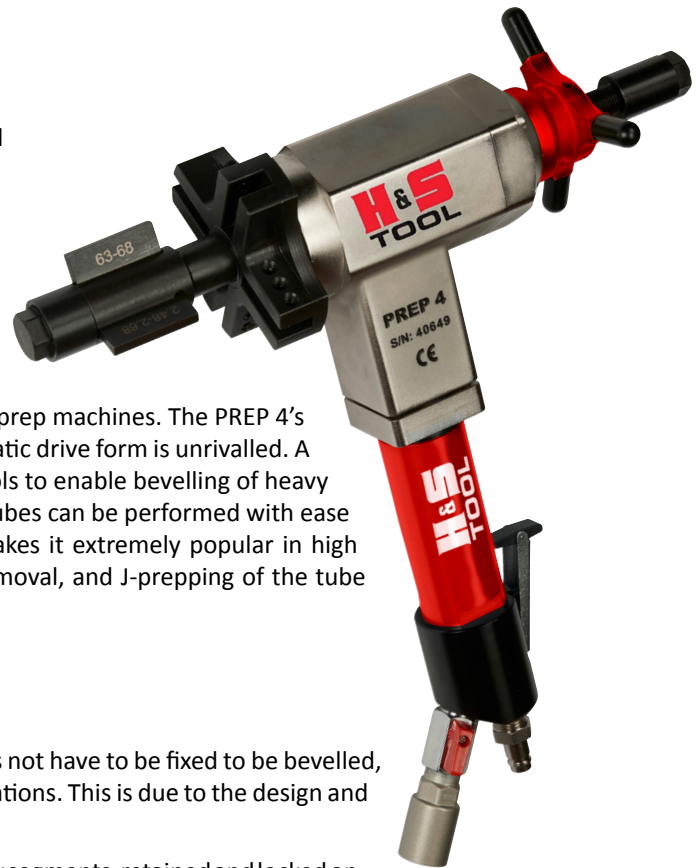
1.1 - 4.40" i/d / 23 - 112 mm i/d





1.1 - 4.40" i/d / 23 - 112 mm i/d

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



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

FEATURES AND ADVANTAGES





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

The jaw system itself consists of 3 equilateral positioned machined jaw segments, retained and locked on an inner, 'grooved' expansion shaft. These grooves keep the jaws held securely in position, unlike other systems that use a metal or rubber bands for jaw retention. As the expansion nut is tightened, the jaws expand, locking tightly, and square to the bore of the pipe.


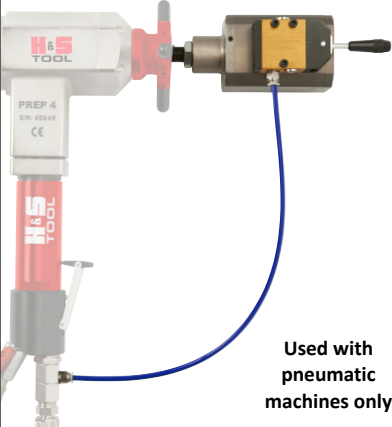


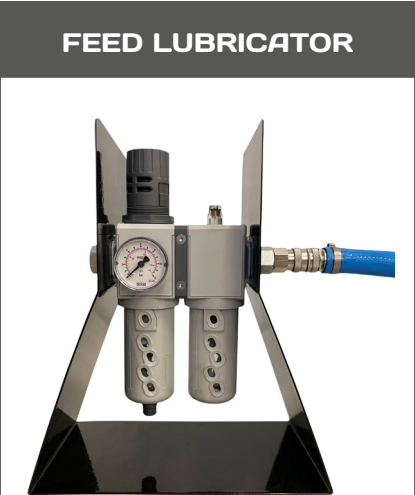

The machine body is CNC machined out of solid aluminum and nickel plated. This ensures strength and leads to precise tolerances on all components, resulting in a stable heavy duty machine that does not move under load, we also ensure all components are treated utilising the latest technologies to ensure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



POWER OPTIONS

<p>PNEUMATIC</p>  <p>PART NO. HSP4P</p>	<p>ELECTRIC</p>  <p>PART NO. HSP4E110 PART NO. HSP4E220</p>	<p>BATTERY</p>  <p>PART NO. HSP4B110 PART NO. HSP4B220</p>	<p>PNEUMATIC ALD</p>  <p>PART NO. HSP4PALD</p>
---	---	---	---

ACCESSORIES AND OPTIONS

<p>ELBOW / FITTINGS SHAFT</p> <p>1.5 - 4" i/d 38 - 111 mm i/d</p>  <p>PART NO. TP4ESKV2</p>	<p>AUTO LOCK</p>  <p>Used with pneumatic machines only</p> <p>PART NO. XP-TP3-4ALD</p>	
<p>RATCHET HANDLES</p>  <p>PART NO. HSP4RHKV2</p>	<p>FEED LUBRICATOR</p>  <p>PART NO. AFL1</p>	

PREP 4 TECHNICAL FEATURES

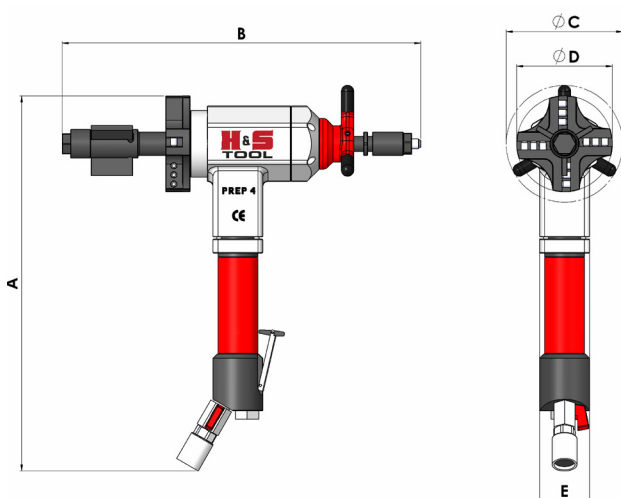
DESCRIPTION	MEASUREMENT	PNEUMATIC	ELECTRIC	BATTERY
Part Number	n/a	HSP4P / HSP4PALD	HSP4E110 / HSP4E220	HSP4B110 / HSP4B220
Locking tube range	mm (i/d)	23 - 112 mm	23 - 112 mm	23 - 112 mm
Locking tube range	inch (i/d)	1.1 - 4.40"	1.1 - 4.40"	1.1 - 4.40"
Idle speed	rpm	5 - 100	5 - 82	23 / 37 / 50
Torque	N m	176	152	140
Length of axial feed	mm	40.5	40.5	40.5
Max operating temperature	°C	55	55	55
Max acoustic radiation	dB	75	75	75
Pneumatic motor power	hp	1.35	n/a	n/a
Air consumption	cfm / l/min.	36 / 1020	n/a	n/a
Air working pressure	psi / bar	90 / 6.5	n/a	n/a
Air hose connection	inches	½"	n/a	n/a
Electric motor power	watt	n/a	1300	800
Voltage	volt	n/a	110 or 220	charger 110 or 220
Frequency	Hz	n/a	50 / 60	charger 50 / 60
Unit weight	kg / lbs	9.4 / 20.7	10.4 / 23	11.1 / 24.5
Packing dimensions	mm	640 x 500 x 140	640 x 500 x 140	640 x 640 x 140
Packing weight	kg / lbs	28.5 / 63	29.5 / 65	30.5 / 67

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

- All units are supplied complete with all gripping segments to cover the full range of the machine. Service tools, drawings, instruction manual and warranty certificate are also supplied as standard.
- Each machine is supplied with a protective custom built metal box.
- Pneumatic machine must be used with filter lubricator and oil - use without will void warranty.



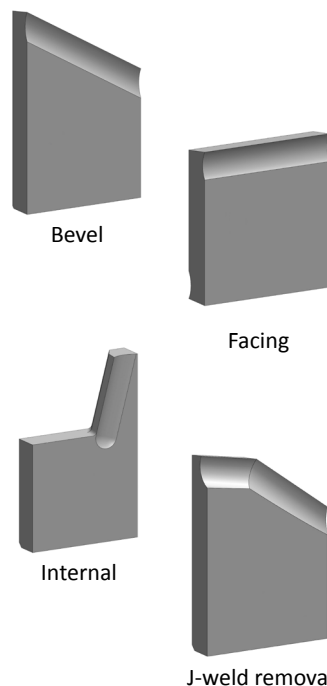
DIMENSIONS



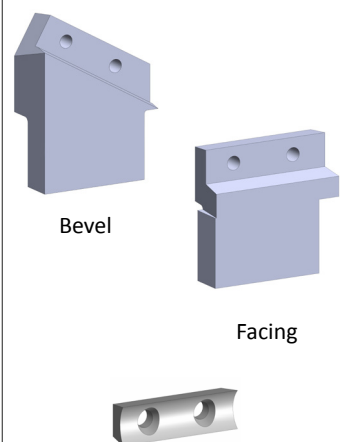
DIM	PNEUMATIC	ELECTRIC	BATTERY
A	455 mm	510 mm	540 mm
B	434 mm	434 mm	434 mm
ØC	140 mm	140 mm	140 mm
ØD	115 mm	115 mm	115 mm
E	60 mm	90 mm	90 mm

EXAMPLES OF COMMON CUTTING TOOLS

FORMED TOOLS



HOLDER / INSERT

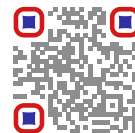


One insert fits ALL holders

All shapes, sizes and angles available

PREP 8 PORTABLE PIPE BEVELLING MACHINE

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





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

- **Functions:** External beveling / internal beveling / elbow and fittings beveling / facing / counter-boring / weld removal / J-prepping / compound bevels
- **Materials:** Any kind of steel and exotic alloy
- **Power:** Pneumatic 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 formed tools to enable simultaneous external, internal beveling of even the heaviest wall pipe. The PREP 8 is a real workhorse. Its size, power, and functionality, make it extremely popular in high volume heavy duty beveling applications, on site, or in the workshop.



FEATURES AND ADVANTAGES

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


The jaw system itself consists of 3 equilateral positioned machined jaw segments, retained and locked on an inner, 'grooved' expansion shaft. These grooves keep the jaws held securely in position, unlike other systems that use a metal or rubber bands for jaw retention. As the expansion nut is tightened, the jaws expand, locking tightly, and square to the bore of the pipe.

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




POWER OPTIONS

PNEUMATIC




PART NO. HSP8P

ELECTRIC



PART NO. HSP8E110
PART NO. HSP8E220

PNEUMATIC ALD



PART NO. HSP8PALD

ACCESSORIES AND OPTIONS

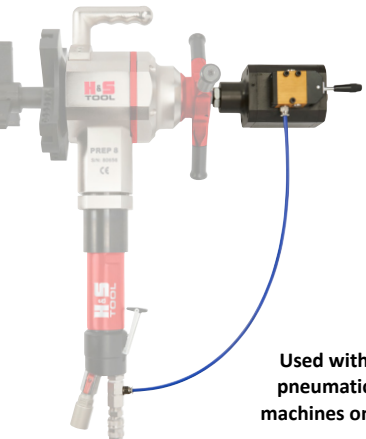
ELBOW / FITTINGS
SHAFT

2 - 8" i/d
56 - 215 mm i/d



PART NO. TP8ESK

AUTO LOCK



Used with
pneumatic
machines only

PART NO. XP-TP8ALD

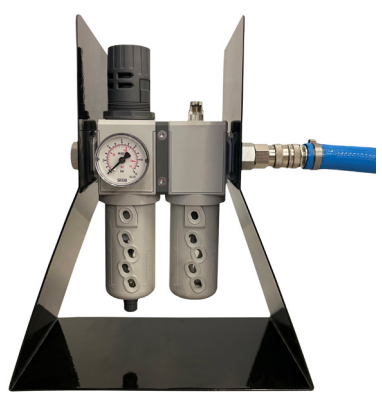


RATCHET HANDLES



PART NO. HSP8RHK

FEED LUBRICATOR



PART NO. AFL1



PREP 8 TECHNICAL FEATURES

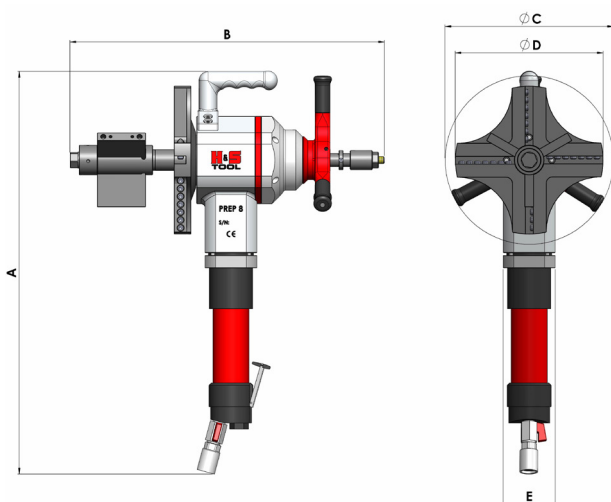
DESCRIPTION	MEASUREMENT	PNEUMATIC	ELECTRIC
Part Number	n/a	HSP8P / HSP8PALD	HSP8E110 / HSP8E220
Locking tube range	mm (i/d)	50 - 211 mm	50 - 211 mm
Locking tube range	inch (i/d)	1.93 - 8.46"	1.93 - 8.46"
Idle speed	rpm	5 - 52	5 - 34
Torque	N m	265	280
Length of axial feed	mm	40	40
Max operating temperature	°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 and may vary from those illustrated.

- All units are supplied complete with all gripping segments to cover the full range of the machine. Service tools, drawings, instruction manual and warranty certificate are also supplied as standard.
- Each machine is supplied with a protective custom built metal box.
- Pneumatic machine must be used with filter lubricator and oil - use without will void warranty.



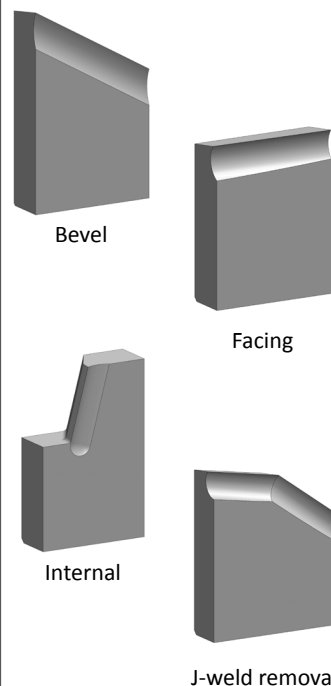
DIMENSIONS



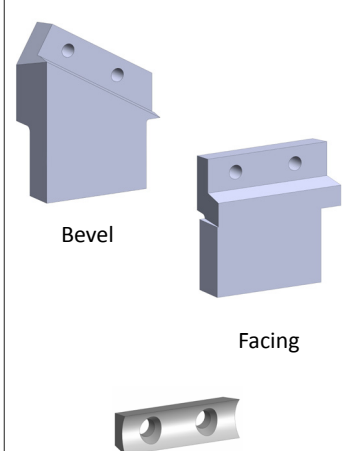
DIM	PNEUMATIC	ELECTRIC
A	670 mm	700 mm
B	520 mm	520 mm
ØC	278 mm	278 mm
ØD	220 mm	220 mm
E	86 mm	90 mm

EXAMPLES OF COMMON CUTTING TOOLS

FORMED TOOLS



HOLDER / INSERT

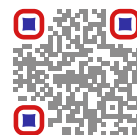


One insert fits ALL holders

All shapes, sizes and angles available

PREP 16 PORTABLE PIPE BEVELLING MACHINE

2.8 - 15.74" i/d / 72 - 400 mm i/d





2.8 - 15.74" i/d / 72 - 400 mm i/d

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



FEATURES AND ADVANTAGES

The PREP 16 is the first in H&S's new range of a heavy duty mid-large diameter beveling machines. Offering ratcheted i/d jaw locking as well as ratchet bevel feed control for effortless heavy wall preps, offered with an extremely powerful and user friendly servo electric or pneumatic motor. Any bevel geometry can be performed within the impressive 3" - 16" range.

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

The PREP 16, and its bigger brother the PREP 24, utilise ratchet feed and locking. This allows effortless set-up, and enables the operator to deliver consistent feed with minimal effort. An automatic feeding system is available on request.

POWER OPTIONS

SERVO ELECTRIC

RECOMMENDED



PATENT PENDING

PART NO. HSP16SE110
PART NO. HSP16SE220

PNEUMATIC



PART NO. HSP16P

HYDRAULIC



PART NO. HSP16H



FEATURES

SERVO ELECTRIC

RECOMMENDED

PATENT PENDING

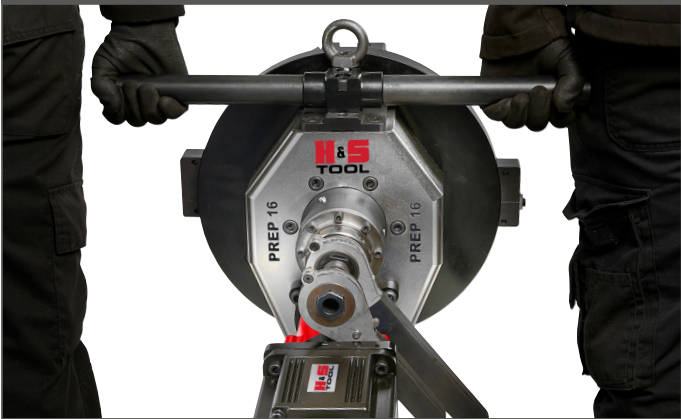
Servo Electric control box makes the strongest portable pipe bevelling machine available on the market.

UNRIVALLED POWER AND STABILITY



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

LIFTING HANDLES



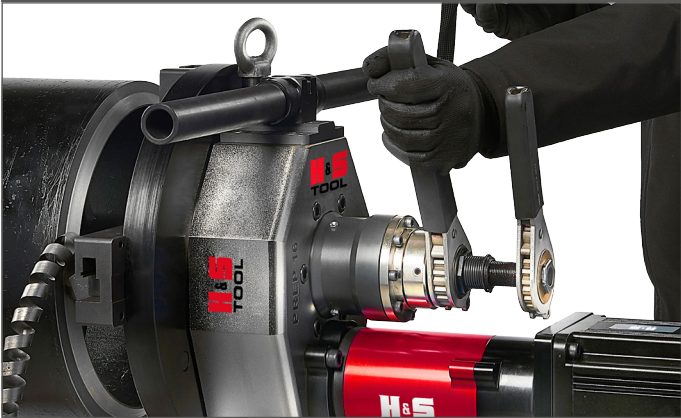
To enable ease of set up, the machine is equipped with lifting handles and removable extensions so the machine can be easily installed, and removed from the pipe.

PIPE STAND ATTACHMENT



To enable ease of set up and increased mobility, the machine can be fitted with an attachment to fit on the B&B Pipe Tools 5 Leg Giant (TP16PSA + 3500B + 3504)

RATCHET FEED AND LOCKING



The PREP 16 utilises a ratchet system for both jaw locking, and bevel feed. Auto feed option (TP16AFCK) available on request.

SELF-CENTERING & SIX POINT LOCKING



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

PREP 16 TECHNICAL FEATURES

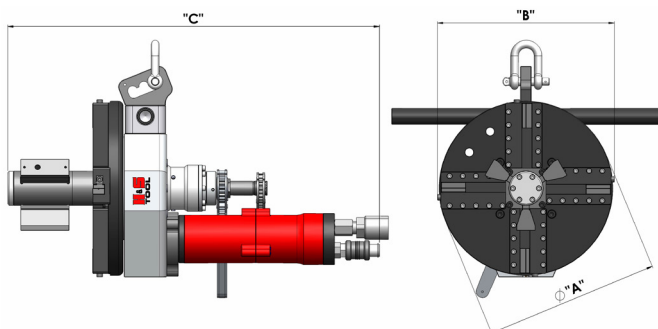
DESCRIPTION	MEASUREMENT	PNEUMATIC	SERVO ELECTRIC	HYDRAULIC
Part Number	n/a	HSP16P	HSP16SE110 / HSP16SE220	HSP16H
Locking tube range	mm / inch (i/d)	72 - 400 / 2.8 - 15.75"	72 - 400 / 2.8 - 15.75"	72 - 400 / 2.8 - 15.75"
Working range	mm / inch (o/d)	72 - 406 / 3 - 16"	72 - 406 / 3 - 16"	72 - 406 / 3 - 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

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

- All units are supplied complete with all locking jaws to cover the full range of the machine. Service tools, drawings, instruction manual and warranty certificate are also supplied as standard.
- Each machine is supplied with a protective custom built box.
- Pneumatic machine must be used with filter lubricator and oil - use without will void warranty.



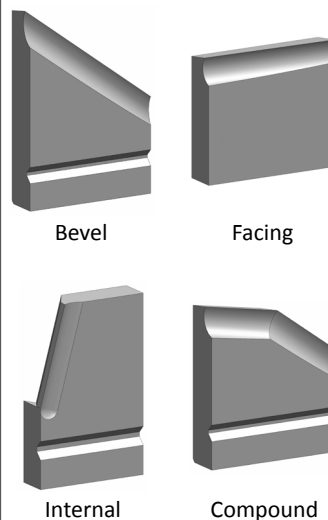
DIMENSIONS



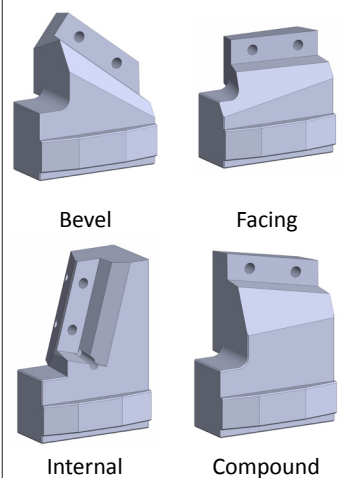
DIM	PNEUMATIC	SERVO ELECTRIC	HYDRAULIC
ØA	323 mm	323 mm	323 mm
B	407 mm	407 mm	407 mm
C	750 mm	630 mm	530 mm

EXAMPLES OF COMMON CUTTING TOOLS

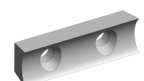
FORMED TOOLS



HOLDER / INSERT (Recommended)



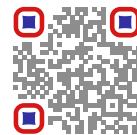
All shapes, sizes and angles available



One insert fits ALL holders

PREP 24 PORTABLE PIPE BEVELLING MACHINE

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





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

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



FEATURES AND ADVANTAGES

The PREP 24 is the largest in H&S's new range of a heavy duty mid-large diameter beveling machines. Offering ratcheted i/d jaw locking as well as ratchet bevel feed control for effortless heavy wall preps, offered with an extremely powerful user friendly servo electric or pneumatic motor. Any bevel geometry can be performed within the impressive 7" - 24" range.

J-preps, counter boring, and facing can all be performed, simultaneously, using the correct tooling fitted in (up to) 4 heavy duty hardened multi-position tool holders. Due to its light weight, yet unrivalled power, the PREP 24 is ideal for on-site, off shore, nuclear, and other applications where precision welds are required at an incredible value.

The PREP 24, like the PREP 16 utilise ratchet feed, and locking. This allows effortless setup, and enables the operator to deliver consistent feed with minimal effort. An automatic feeding system is available on request.

POWER OPTIONS

SERVO ELECTRIC

RECOMMENDED



PATENT PENDING

PART NO. HSP24SE110
PART NO. HSP24SE220

PNEUMATIC

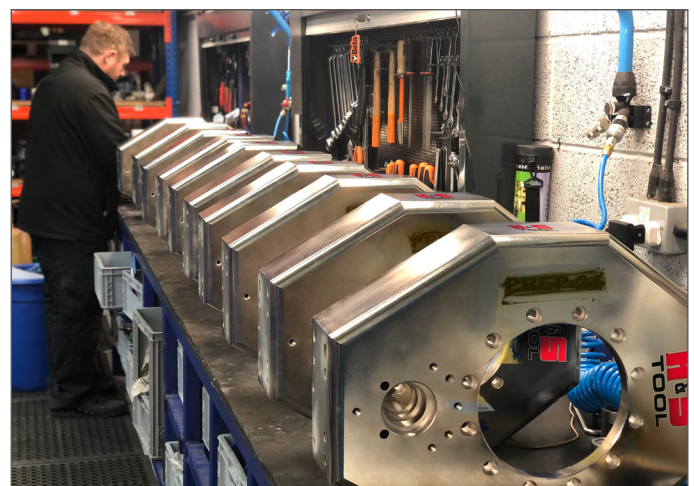


PART NO. HSP24P

HYDRAULIC



PART NO. HSP24H



FEATURES

SERVO ELECTRIC

RECOMMENDED

PATENT PENDING

Servo Electric control box makes the strongest portable pipe bevelling machine available on the market.

UNRIVALLED POWER AND STABILITY



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

LIFTING HANDLES



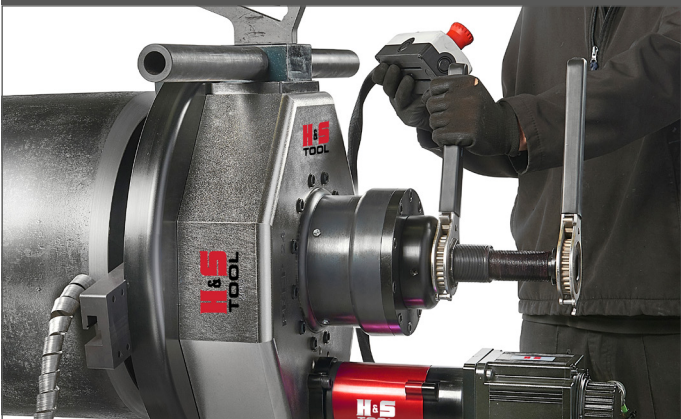
To enable ease of set up, the machine is equipped with lifting handles and removable extensions so the machine can be easily installed, and removed from the pipe.

PIPE STAND ATTACHMENT



To enable ease of set up and increased mobility, the machine can be fitted with an attachment to fit on the B&B Pipe Tools 5 Leg Giant (TP24PSA + 3500B + 3504)

RATCHET FEED AND LOCKING



The PREP 24 utilises a ratchet system for both jaw locking, and bevel feed. Auto feed option (TP24AFCK) available on request.

SELF-CENTERING & SIX POINT LOCKING



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

PREP 24 TECHNICAL FEATURES

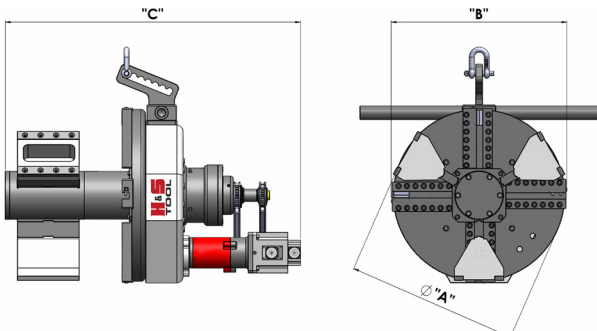
DESCRIPTION	MEASUREMENT	PNEUMATIC	ELECTRIC	BATTERY
Part Number	n/a	HSP24P	HSP24SE110 / HSP24SE220	HSP24H
Locking tube range	mm / inch (i/d)	175 - 600mm / 6.89 - 23.62" (optional up to 42")	175 - 600mm / 6.89 - 23.62" (optional up to 42")	175 - 600mm / 6.89 - 23.62" (optional up to 42")
Working range	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

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

- All units are supplied complete with all locking jaws to cover the full range of the machine. Service tools, drawings, instruction manual and warranty certificate are also supplied as standard.
- Each machine is supplied with a protective custom built box.
- Pneumatic machine must be used with filter lubricator and oil - use without will void warranty.



DIMENSIONS



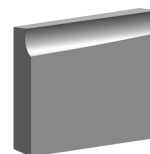
DIM	PNEUMATIC	SERVO ELECTRIC	HYDRAULIC
ØA	550 mm	550 mm	550 mm
B	580 mm	580 mm	580 mm
C	1005 mm	955 mm	855 mm

EXAMPLES OF COMMON CUTTING TOOLS

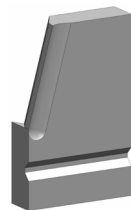
FORMED TOOLS



Bevel



Facing

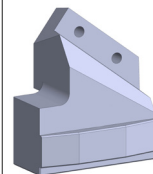


Internal

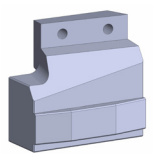


Compound

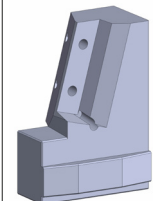
HOLDER / INSERT (Recommended)



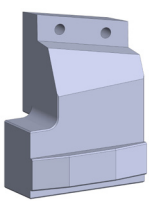
Bevel



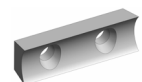
Facing



Internal



Compound



One insert fits ALL holders

All shapes, sizes and angles available

PREP 16 AND PREP 24 ELBOW / FITTING PIPE BEVELLING MACHINE



Portable Elbow and Fitting Machine





Portable Elbow and Fitting Machine

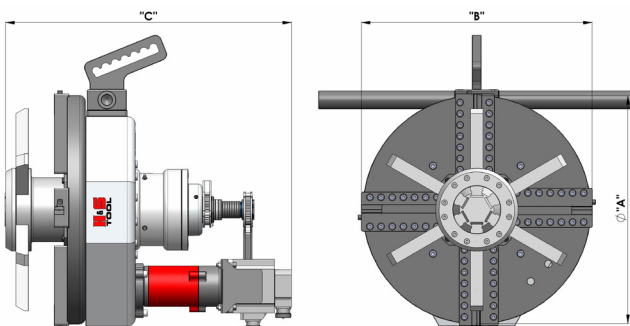
The **H&S PREP 16 ELBOW / FITTINGS** and **H&S PREP 24 ELBOW / FITTINGS** machines enable bevelling, J-preps, counter boring and facing on elbows and pipe fittings, due to its heavy duty yet compact shaft and 6 piece locking jaw system. The machines can be supplied with either servo electric, pneumatic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



PREP 16 AND PREP 24 ELBOW / FITTINGS TECHNICAL FEATURES

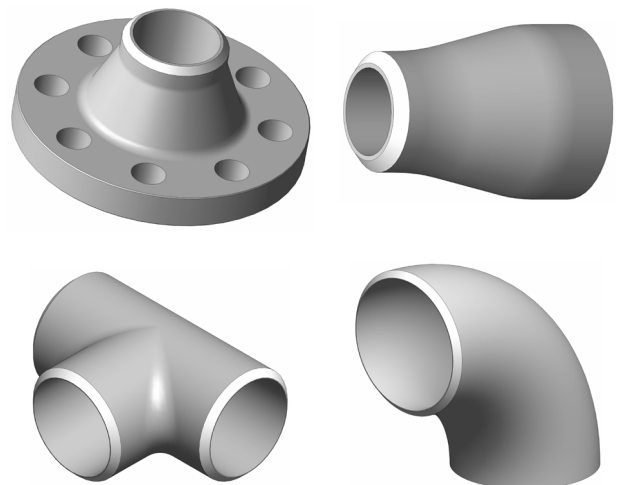
DESCRIPTION	MEASUREMENT	PNEUMATIC	SERVO ELECTRIC	HYDRAULIC
Part Number	n/a	HSP16EP	HSP16ESE110 / HSP16ESE220	HSP16EH
Locking tube range	mm / inch (i/d)	130 - 410 mm / 5.11 - 16.14"	130 - 410 mm / 5.11 - 16.14"	130 - 410 mm / 5.11 - 16.14"
Part Number	n/a	HSP24EP	HSP24ESE110 / HSP24ESE220	HSP24EH
Locking tube range	mm / inch (i/d)	210 - 600 mm / 8.26 - 23.62"	210 - 600 mm / 8.26 - 23.62"	210 - 600 mm / 8.26 - 23.62"

DIMENSIONS PREP 16 / 24 ELBOW / FITTINGS



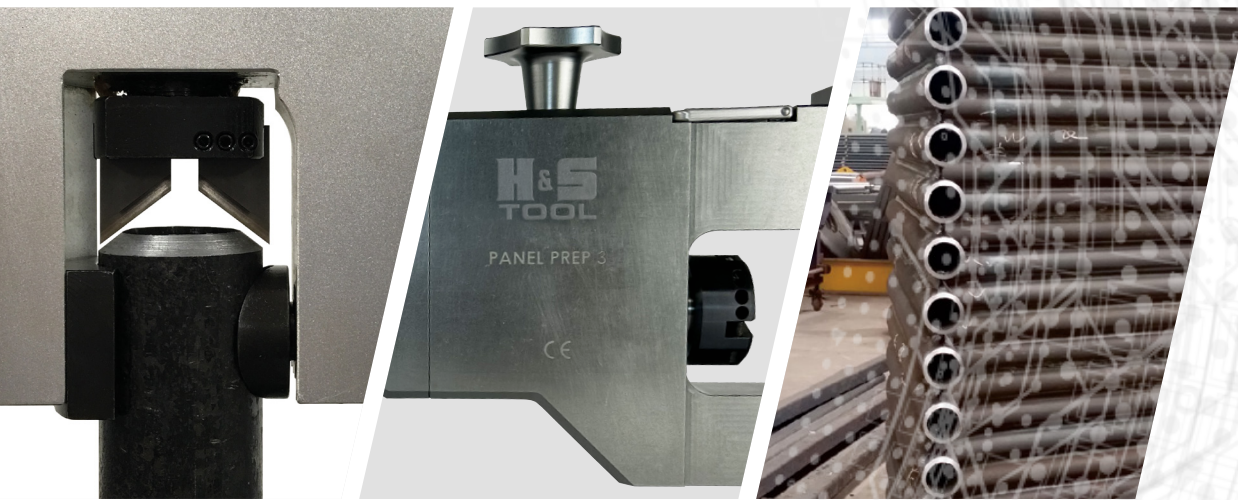
	DIMENSIONS	PNEUMATIC	SERVO ELECTRIC	HYDRAULIC
PREP 16	ØA	323 mm	323 mm	323 mm
	B	407 mm	407 mm	407 mm
	C	705 mm	650 mm	550 mm
PREP 24	ØA	550 mm	550 mm	550 mm
	B	580 mm	580 mm	580 mm
	C	755 mm	705 mm	605 mm

EXAMPLES OF FITTINGS



PANEL PREP MACHINES

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



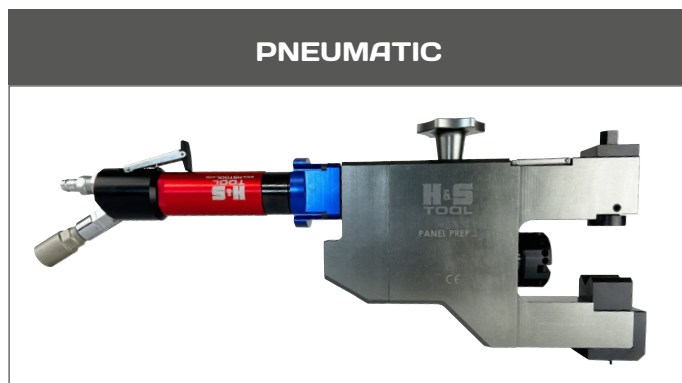


0.3 - 4" o/d / 8 - 108 mm o/d

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

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

MODEL	PIPE O/D RANGE	PART NO. PNEUMATIC	PART NO. BATTERY	PART NO. ELECTRIC
H&S Panel Prep 2	8 - 53 mm / 0.3 - 2"	HSPP2P	n/a	HSPP2E
H&S Panel Prep 3	12.7 - 73 mm / 0.5 - 3"	HSPP3P	HSPP3B110 / HSPP3B220	HSPP3E
H&S Panel Prep 4	50 - 108 mm / 2 - 4"	HSPP4P	n/a	HSPP4E



CLAMPING JAWS:

MODEL	MEASUREMENT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
H&S Panel Prep 2	O/D mm	8	10	12	14	16	18	20	22	25.4	28	32	38	42	45	48	51	53
H&S Panel Prep 3	O/D mm	25.4	28	31.8	38	42	45	48	51	57	60	63	68	70	73	n/a	n/a	n/a
H&S 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



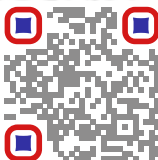


**GLOBAL LEADER IN SPECIALIZED
MACHINING, WELDING AND
FABRICATION EQUIPMENT**



**SPECIALIZED FABRICATION EQUIPMENT
GROUP**

Contact Americas
sales@sfe-brands.com



Contact International
sales-int@sfe-brands.com



Our group policy is one of continuous improvements and acquisitions. Products and data tables are subject to change and may vary from those illustrated. Copyright © 2024 Specialized Fabrication Equipment Group, All rights reserved.