

PIPE COLD CUTTING AND BEVELING MACHINES



H&S TOOL
AN **S F E** 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 5 years, another 4 renowned and market leading companies were acquired and added to the **S.F.E. Group** portfolio: Axxair (France, 2022), Magnatech (USA, 2023), Climax (USA, 2023) and Sumner (USA, 2025).

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

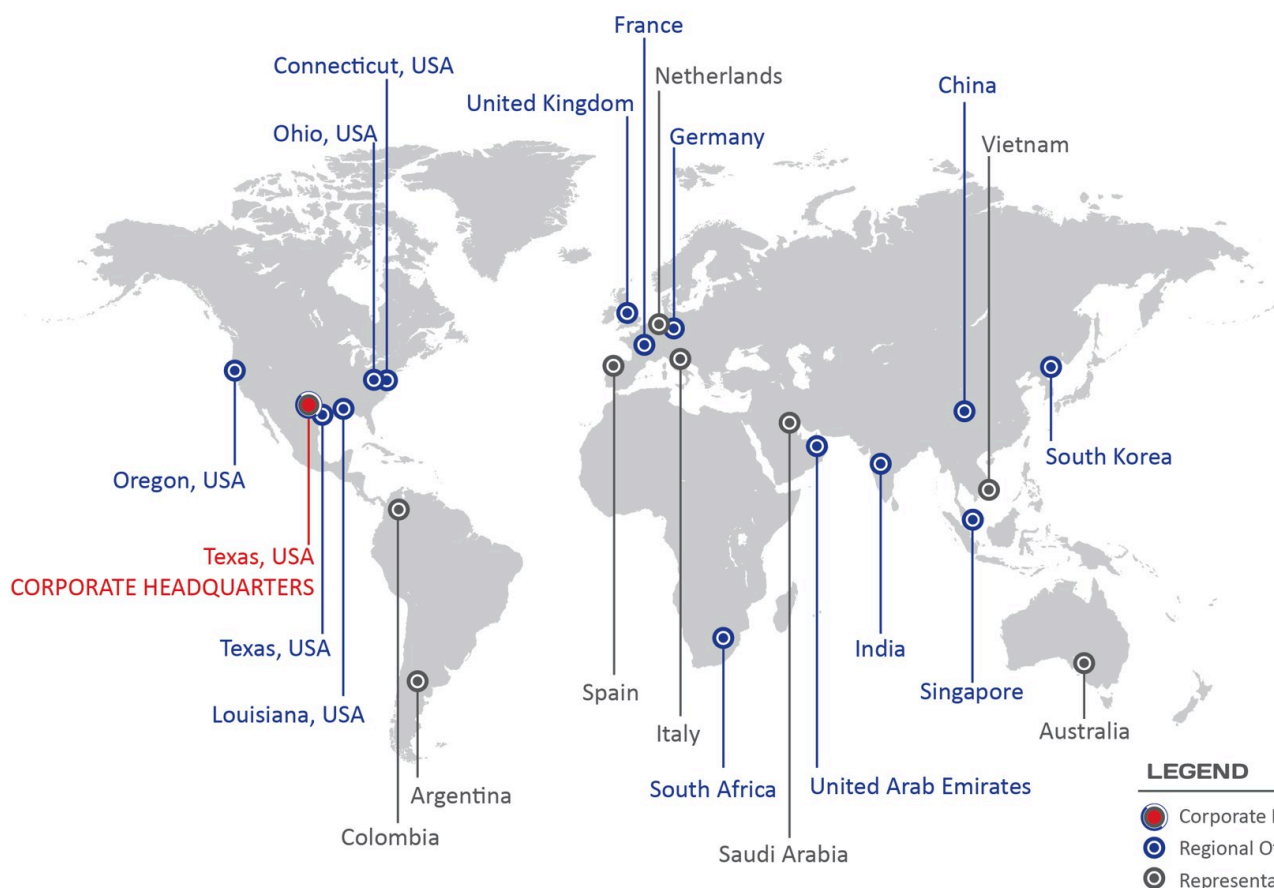
Leveraging over 200 years of combined experience in engineering, manufacturing, and field applications, the **S.F.E. Group** is committed to driving innovation. Through continuous product development and strategic acquisitions, the **S.F.E. Group** is actively growing its portfolio and expanding its global presence to meet the demands of industries around the world. Currently, the **S.F.E. Group** consists of 12 complimentary brands, each supporting the others in delivering cutting-edge solutions.

With offices and warehousing on 5 continents, 400+ employees and more than 500 partnerships and distributors worldwide, **S.F.E. Group** prides itself on consistently offering the highest standards of both product quality and service locally to all its customers.

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

Contact Americas: sales@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 beveling 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. 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 fulfill 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 beveling splitframe clamshell machines (1 - 120" o/d) as well as the stationary, yet moveable E-Z FAB machines (2 - 16") for pipe cutting and beveling.

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.

INDUSTRIES SERVED



OUR BRANDS

CLIMAX

TAG
PIPE EQUIPMENT SPECIALISTS

H&S TOOL

MATHEY DEARMAN

AXXAIR

MAGNATECH

B&B SUMNER

CALDER

BORTECH

PPM
PIPE PURGE MASTERS

FIT-UP PRO

SUMNER
MATERIAL LIFTS

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

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INTRODUCTION TO S.F.E. GROUP

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INTRODUCTION TO H&S

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PREP PORTABLE PIPE BEVELING MACHINES

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

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

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

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

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

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PREP 16 PORTABLE PIPE BEVELLING
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PREP 24 PORTABLE PIPE BEVELLING
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PREP 16 AND PREP 24 ELBOW / FITTING PIPE
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PANEL PREP MACHINES
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PIPE COLD CUTTING AND BEVELING MACHINES

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

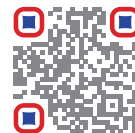
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SPLIT FRAME CLAMSHELL COLD CUTTING
AND BEVELING MACHINES
48 - 120" o/d / 1,220 - 3,050 mm o/d

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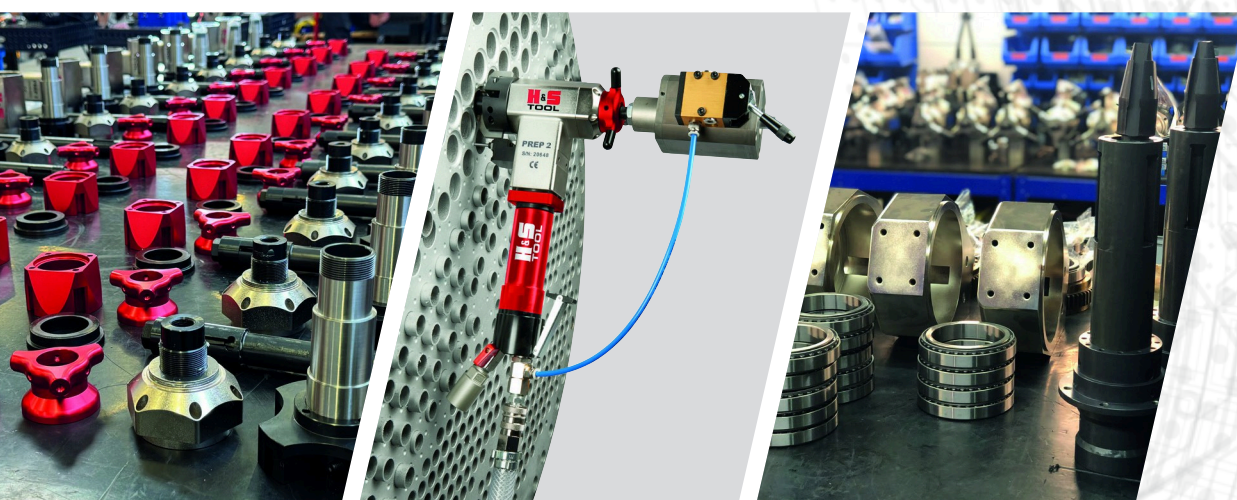
E-Z FAB PIPE CUTTING AND
BEVELING MACHINES
2 - 16" o/d / 60 - 420 mm o/d

PREP 2 PORTABLE PIPE BEVELING 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.

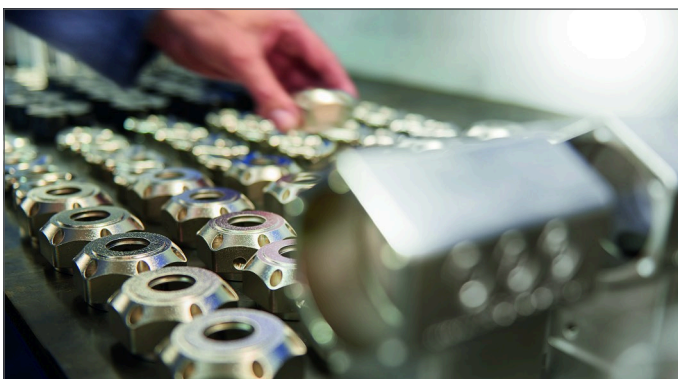
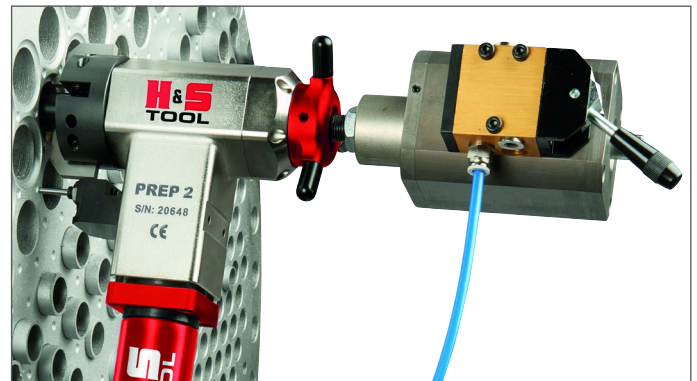
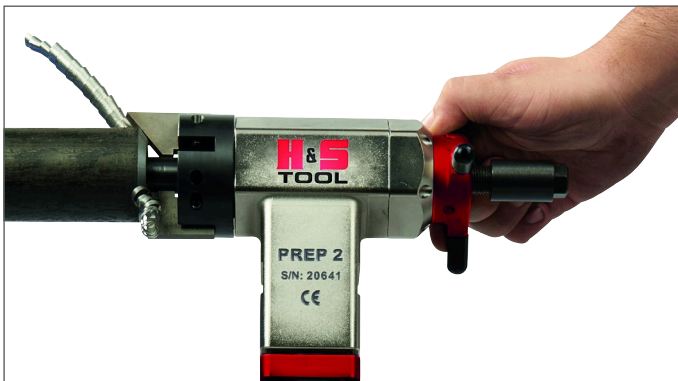
Its size, power, and functionality, make it extremely popular in high volume heat exchanger work, tube facing, weld removal, and J-prepping of the tube plate. Also used extensively on power station shutdowns for boiler panel bevels.

FEATURES AND ADVANTAGES

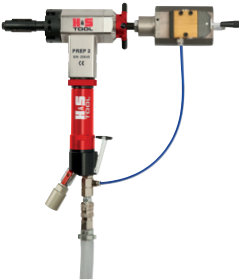
The PREP 2 is torque reactive. This means that the pipe or tube does not have to be fixed to be bevelled, making it particularly useful on-site, in maintenance and repair situations. This is due to the design and strength of the thru shaft system that locks to the bore of the pipe.

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 utilizing the latest technologies to ensure durability.



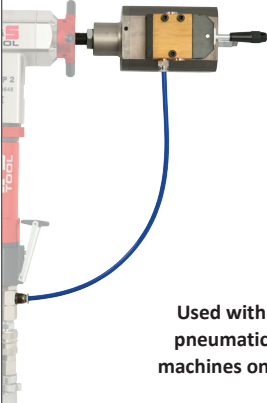
POWER OPTIONS

PNEUMATIC  PART NO. HSP2P	ELECTRIC  PART NO. HSP2E110 PART NO. HSP2E220	BATTERY  PART NO. HSP2B110 PART NO. HSP2B220	PNEUMATIC AUTO LOCK  PART NO. HSP2PALD	COMPLETE LEVER  PART NO. HSP2PALL
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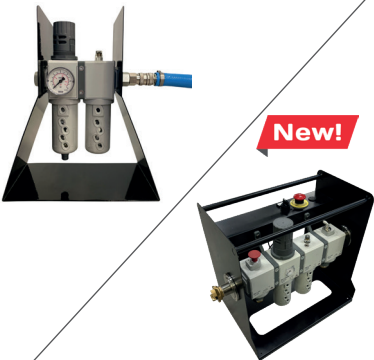
* LOGISTICS NOTE – UN3481 COMPLIANCE

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

ACCESSORIES AND OPTIONS

REDUCED SHAFT 0.5 - 0.9" i/d 12.5 - 23 mm i/d  PART NO. TP2RSK	ELBOW / FITTINGS SHAFT * 1 - 2" i/d 26 - 51 mm i/d  PART NO. TP2ESK	AUTO LOCK  Used with pneumatic machines only PART NO. XP1-TP2ALD	RATCHET HANDLES  PART NO. HSP2RHK
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* Contact us to confirm elbow radius

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

PREP 2 TECHNICAL FEATURES

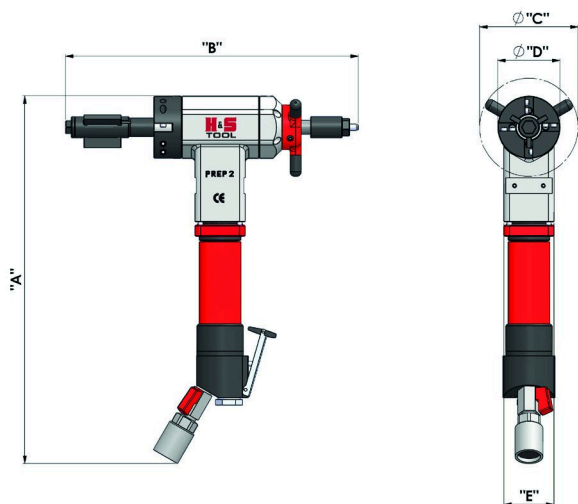
DESCRIPTION	MEASUREMENT	PNEUMATIC	ELECTRIC	BATTERY
Part Number	n/a	HSP2P / HSP2PALD / HSP2PALL	HSP2E110 / HSP2E220	HSP2B110 / HSP2B220
Locking tube range	mm (i/d)	23 - 42 mm optional from 12.5	23 - 42 mm optional from 12.5	23 - 42 mm optional from 12.5
Locking tube range	inch (i/d)	0.9 - 1.65" optional 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 / inch	24 / 0.94	24 / 0.94	24 / 0.94
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 / inch	545 x 400 x 120 / 21.4 x 15.7 x 4.7	545 x 400 x 120 / 21.4 x 15.7 x 4.7	560 x 570 x 120 / 22 x 22.4 x 4.7
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.



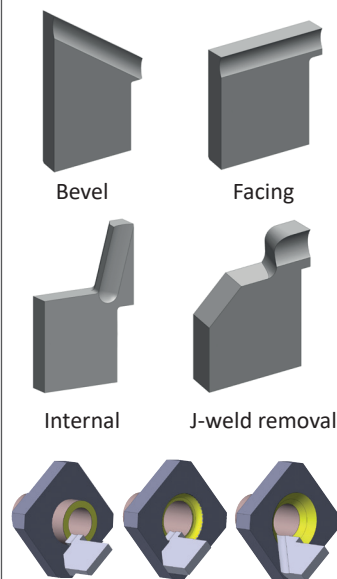
DIMENSIONS



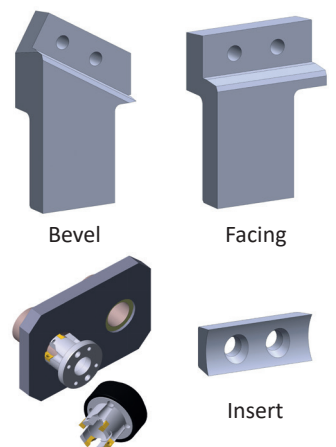
DIM	PNEUMATIC	ELECTRIC	BATTERY
A	400 mm / 15.75"	430 mm / 16.93"	470 mm / 18.50"
B	316 mm / 12.44"	316 mm / 12.44"	316 mm / 12.44"
ØC	106 mm / 4.17"	106 mm / 4.17"	106 mm / 4.17"
ØD	67 mm / 2.64"	67 mm / 2.64"	67 mm / 2.64"
E	54 mm / 2.13"	72 mm / 2.83"	72 mm / 2.83"

EXAMPLES OF COMMON CUTTING TOOLS

FORMED TOOLS



HOLDER / INSERT

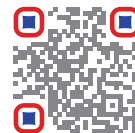


All shapes, sizes and angles available

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

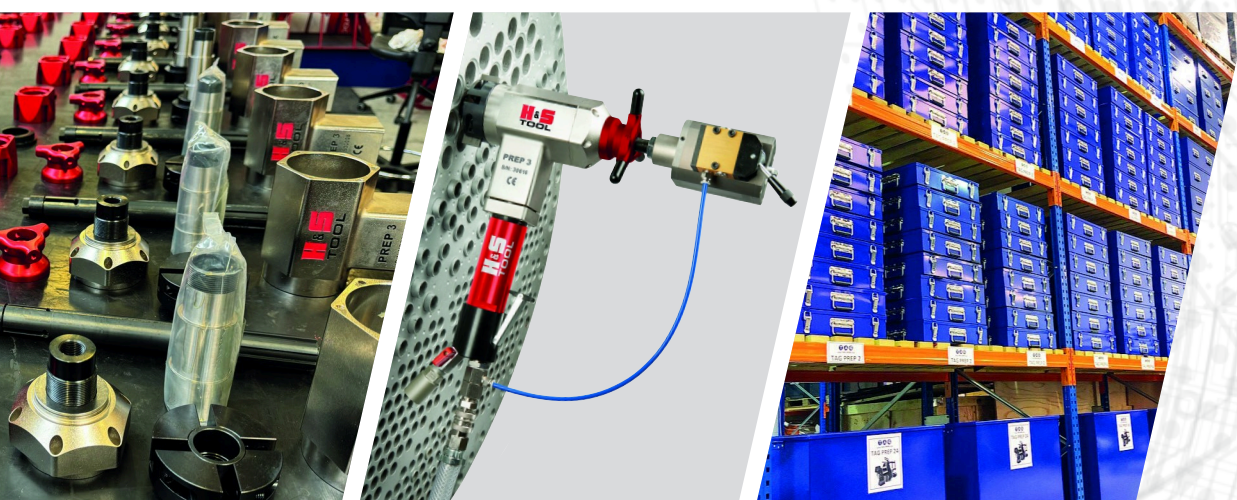


PREP 3 PORTABLE PIPE BEVELING MACHINE



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 utilizing the latest technologies to ensure durability.



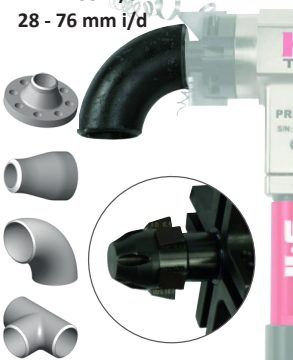
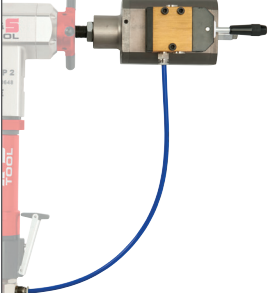
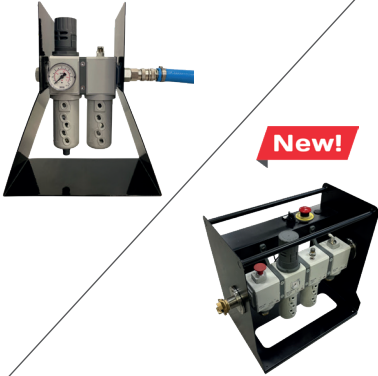
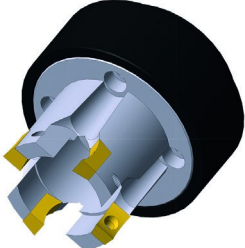
POWER OPTIONS

PNEUMATIC  PART NO. HSP3P	ELECTRIC  PART NO. HSP3E110 PART NO. HSP3E220	BATTERY  PART NO. HSP3B110 PART NO. HSP3B220	PNEUMATIC AUTO LOCK  PART NO. HSP3PALD
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*** LOGISTICS NOTE – UN3481 COMPLIANCE**

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

ACCESSORIES AND OPTIONS

REDUCED SHAFT 0.8 - 1.2" i/d 20 - 30 mm i/d  PART NO. TP3RSKV2	ELBOW / FITTINGS SHAFT 1.1 - 2.99" i/d 28 - 76 mm i/d  PART NO. TP3ESKV2	AUTO LOCK  Used with pneumatic machines only PART NO. XP-TP3-4ALD	RATCHET HANDLES  PART NO. HSP3RHKV2
FEED STOPPER AND LIFTING EYE  PART NO. TP2-3-4FSK (FEED STOPPER) PART NO. P2P78 (LIFTING EYE)	AIR FILTER LUBRICATORS FOR PNEUMATIC MACHINES New!  WITH EMERGENCY STOP PART NO. AFL1 / PART NO. DEFE-FRL5	MILLING HEADS  PART NO. CTMH***BMR *** Diameter/custom project accessory	

PREP 3 TECHNICAL FEATURES

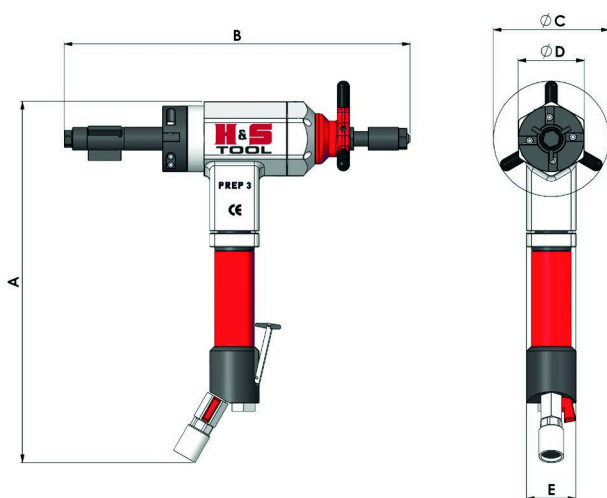
DESCRIPTION	MEASUREMENT	PNEUMATIC	ELECTRIC	BATTERY
Part Number	n/a	HSP3P / HSP3PALD	HSP3E110 / HSP3E220	HSP3B110 / HSP3B220
Locking tube range	mm (i/d)	28 - 76 mm optional from 20	28 - 76 mm optional from 20	28 - 76 mm optional from 20
Locking tube range	inch (i/d)	1.1 - 2.99" optional from 0.8"	1.1 - 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 / inch	40.5 / 1.59	40.5 / 1.59	40.5 / 1.59
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 / inch	640 x 500 x 140 / 25.2 x 19.7 x 5.5	640 x 500 x 140 / 25.2 x 19.7 x 5.5	640 x 640 x 140 / 25.2 x 25.2 x 5.5
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.



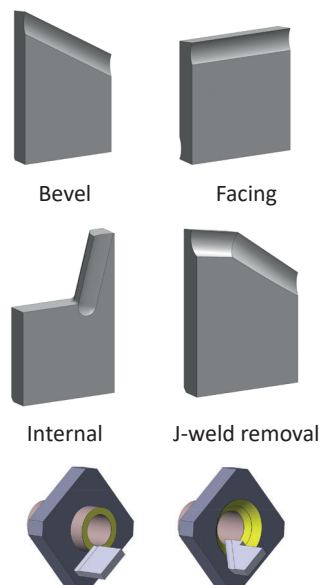
DIMENSIONS



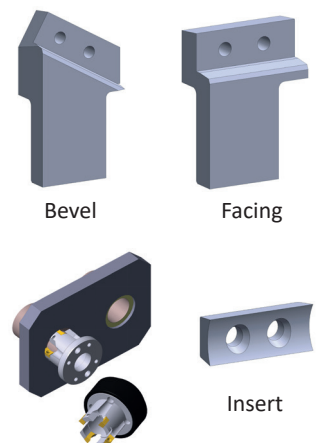
DIM	PNEUMATIC	ELECTRIC	BATTERY
A	435 mm / 17.13"	500 mm / 19.69"	530 mm / 20.87"
B	402 mm / 15.83"	402 mm / 15.83"	402 mm / 15.83"
ØC	140 mm / 5.51"	140 mm / 5.51"	140 mm / 5.51"
ØD	80 mm / 3.15"	80 mm / 3.15"	80 mm / 3.15"
E	60 mm / 2.36"	90 mm / 3.54"	90 mm / 3.54"

EXAMPLES OF COMMON CUTTING TOOLS

FORMED TOOLS



HOLDER / INSERT

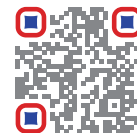


All shapes, sizes and angles available

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



PREP 4 PORTABLE PIPE BEVELING MACHINE



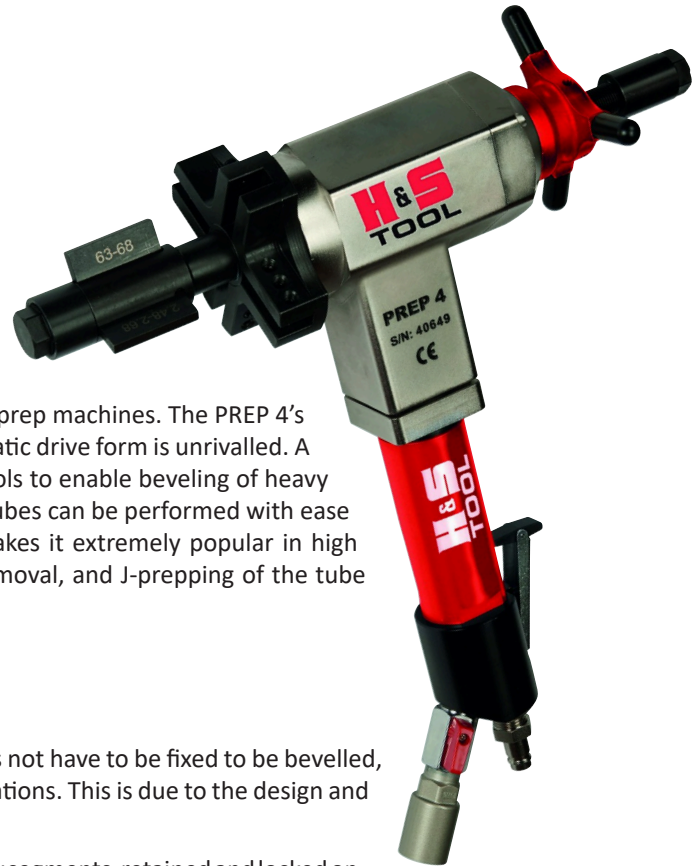
1.1 - 4.40" i/d / 23 - 112 mm i/d





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

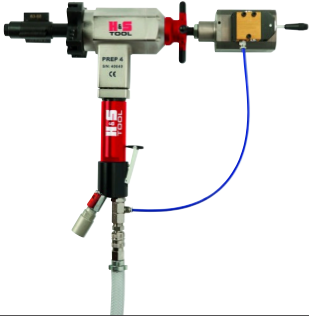
The PREP 4 is torque reactive. This means that the pipe or tube does not have to be fixed to be bevelled, making it particularly useful on-site, in maintenance and repair situations. This is due to the design and strength of the thru shaft system that locks to the bore of the pipe.

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 utilizing the latest technologies to ensure durability.



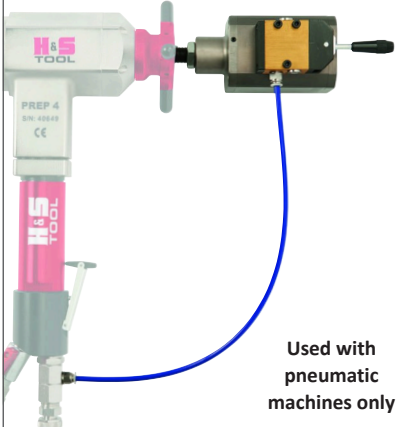
POWER OPTIONS

PNEUMATIC  PART NO. HSP4P	ELECTRIC  PART NO. HSP4E110 PART NO. HSP4E220	BATTERY  PART NO. HSP4B110* PART NO. HSP4B220*	PNEUMATIC AUTO LOCK  PART NO. HSP4PALD
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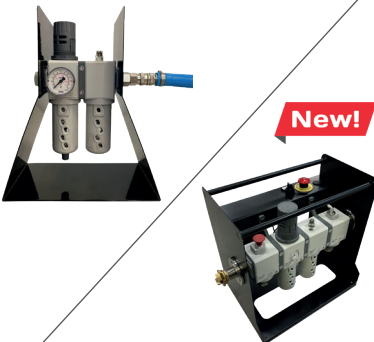
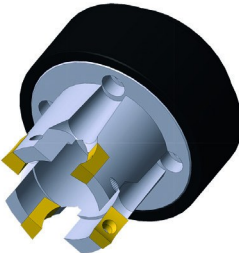
* LOGISTICS NOTE – UN3481 COMPLIANCE

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ACCESSORIES AND OPTIONS

ELBOW / FITTINGS SHAFT * 1.5 - 4" i/d 38 - 111 mm i/d  PART NO. TP4ESKV2	AUTO LOCK  Used with pneumatic machines only PART NO. XP-TP3-4ALD	RATCHET HANDLES  PART NO. HSP4RHKV2
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* Contact us to confirm elbow radius

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

PREP 4 TECHNICAL FEATURES

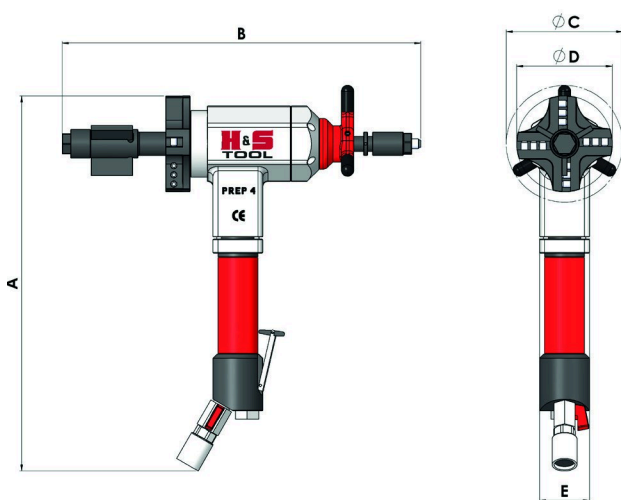
DESCRIPTION	MEASUREMENT	PNEUMATIC	ELECTRIC	BATTERY
Part Number	n/a	HSP4P / HSP4PALD	HSP4E110 / HSP4E220	HSP4B110 / HSP4B220
Locking tube range	mm (i/d)	23 - 112 mm	23 - 112 mm	23 - 112 mm
Locking tube range	inch (i/d)	1.1 - 4.40"	1.1 - 4.40"	1.1 - 4.40"
Idle speed	rpm	5 - 100	5 - 82	23 / 37 / 50
Torque	N m	176	152	140
Length of axial feed	mm / inch	40.5 / 1.59	40.5 / 1.59	40.5 / 1.59
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 / inch	640 x 500 x 140 / 25.2 x 19.7 x 5.5	640 x 500 x 140 / 25.2 x 19.7 x 5.5	640 x 640 x 140 / 25.2 x 25.2 x 5.5
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.

- H&S Prep 4 is standard supplied with two shafts. The smaller shaft covers from 23 to 36 mm (1.1 - 1.41") and the larger shaft from 35 to 112 mm (1.38 - 4.40").
- All units are supplied complete with all gripping segments to cover the full range of the machine. Service tools, drawings, instruction manual and warranty certificate are also supplied as standard.
- Each machine is supplied with a protective custom built metal box.
- Pneumatic machine must be used with filter lubricator and oil - use without will void warranty.



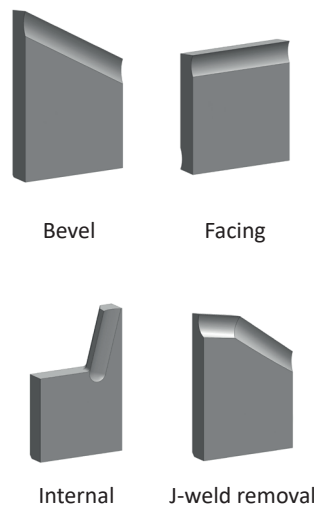
DIMENSIONS



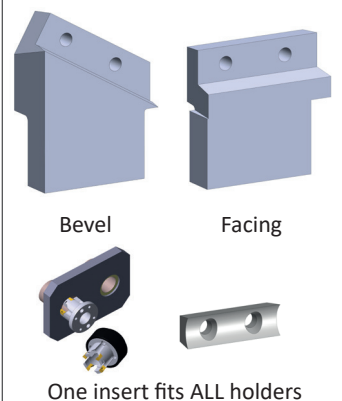
DIM	PNEUMATIC	ELECTRIC	BATTERY
A	455 mm / 17.91"	510 mm / 20.08"	540 mm / 21.26"
B	434 mm / 17.09"	434 mm / 17.09"	434 mm / 17.09"
ØC	140 mm / 5.51"	140 mm / 5.51"	140 mm / 5.51"
ØD	115 mm / 4.53"	115 mm / 4.53"	115 mm / 4.53"
E	60 mm / 2.36"	90 mm / 3.54"	90 mm / 3.54"

EXAMPLES OF COMMON CUTTING TOOLS

FORMED TOOLS



HOLDER / INSERT

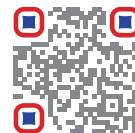


All shapes, sizes and angles available

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

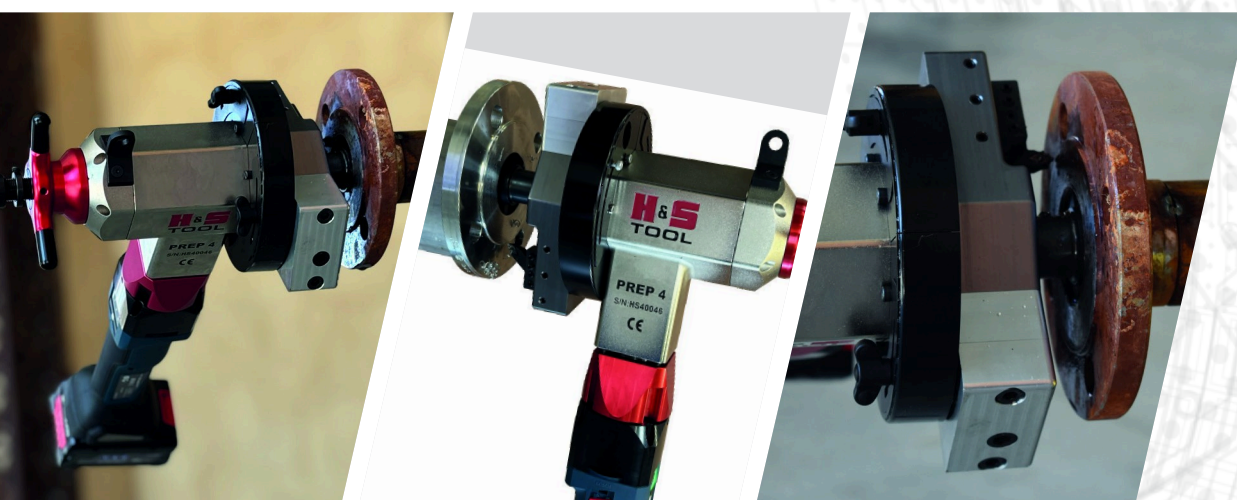


PREP 4 PORTABLE FLANGE FACING MACHINE / ACCESSORY

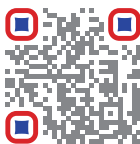


I/D facing diameter: 1.18 - 7" / 30 - 180 mm
I/D clamping range: 1 - 4" / 23 - 112 mm

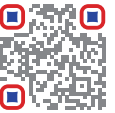
New!



SCAN QR CODE
TO WATCH VIDEO



H&S TOOL
AN  GROUP BRAND



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

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

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



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

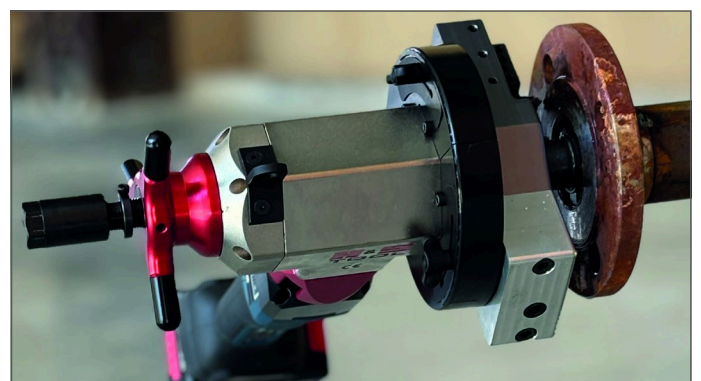
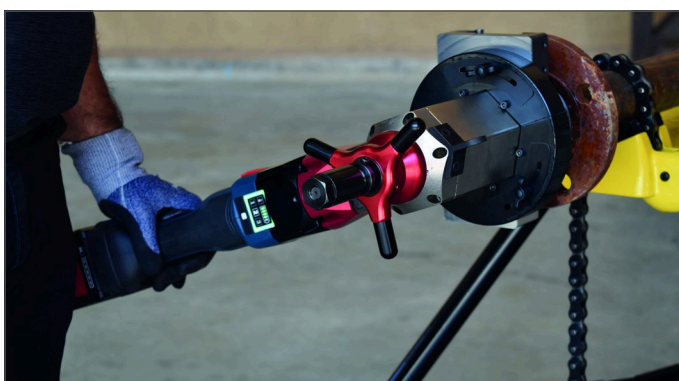
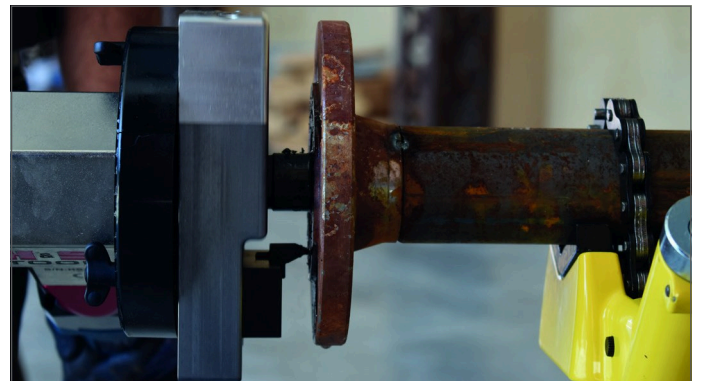
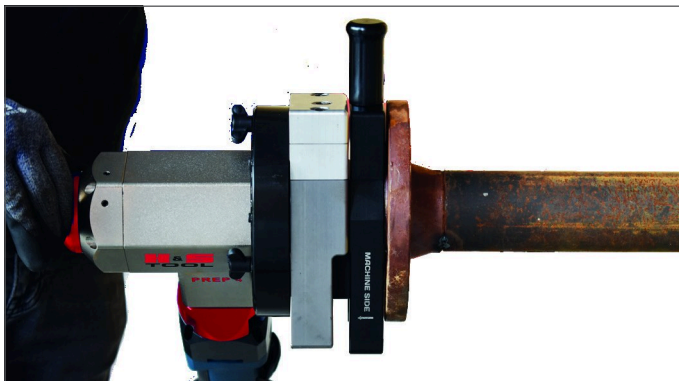
FEATURES AND ADVANTAGES

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

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

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

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



ELBOW VERSION (RECOMMENDED) – POWER OPTIONS:

PNEUMATIC	ELECTRIC	BATTERY	
			
PART NO. HSP4PFFPE	PART NO. HSP4E110FFPE PART NO. HSP4E220FFPE	PART NO. HSP4B110FFPE* PART NO. HSP4B220FFPE*	

STANDARD VERSION – POWER OPTIONS:

PNEUMATIC	ELECTRIC	BATTERY
		
PART NO. HSP4PFFP	PART NO. HSP4E110FFP PART NO. HSP4E220FFP	PART NO. HSP4B110FFP* PART NO. HSP4B220FFP*

* **LOGISTICS NOTE – UN3481 COMPLIANCE** : In accordance with UN3481 regulations governing the transport of lithium batteries, this machine cannot be shipped by air. Authorized transport modes: road and sea only. Any request for air shipment cannot be accommodated. If required, alternative models without battery or charger, compliant with air transport regulations, can be offered : **PART NO. HSP4BFFP (standard) / HSP4BFFPE (elbow)**.

ACCESSORIES

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

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

AIR FILTER LUBRICATOR FOR PNEUMATIC MACHINES ONLY

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

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

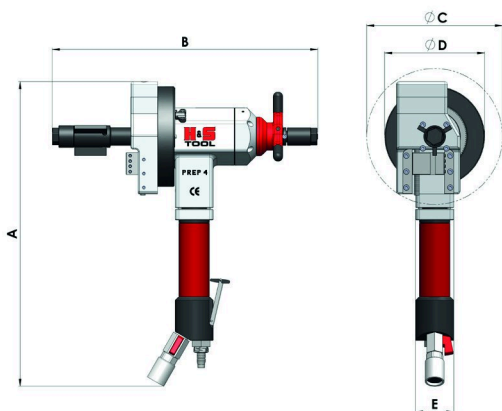
PREP 4 FLANGE FACING MACHINE TECHNICAL FEATURES

DESCRIPTION	MEASUREMENT	PNEUMATIC		ELECTRIC		BATTERY	
Version	Standard / Elbow	Standard	Elbow	Standard	Elbow	Standard	Elbow
Part Number	n/a	HSP4PFFP	HSP4PFFPE	HSP4E110FFP / HSP4E220FFP	HSP4E110FFPE / HSP4E220FFPE	HSP4B110FFP* / HSP4B220FFP*	HSP4B110FFPE* / HSP4B220FFPE*
Working flange range	mm (i/d)	30 - 180	30 - 180	30 - 180	30 - 180	30 - 180	30 - 180
Working flange range	inch (i/d)	1.18 - 7	1.18 - 7	1.18 - 7	1.18 - 7	1.18 - 7	1.18 - 7
Clamping range	mm (i/d)	23 - 112	38- 111	23 - 112	38 - 111	23 - 112	38 - 111
Clamping range	inch (i/d)	1 - 4	1.5 - 4	1 - 4	1.5 - 4	1 - 4	1.5 - 4
Idle speed	rpm	5 - 100		5 - 82		23 / 37 / 50	
Torque	N m	176		152		140	
Length of axial feed	mm	5		5		5	
Max operating temperature	°C	55		55		55	
Max acoustic radiation	dB	75		75		75	
Pneumatic motor power	hp	1.35		n/a		n/a	
Air consumption	cfm / l/min.	36 / 1020		n/a		n/a	
Air working pressure	psi / bar	90 / 6.5		n/a		n/a	
Air hose connection	inches	½"		n/a		n/a	
Electric motor power	watt	n/a		1300		800	
Voltage	volt	n/a		110 or 220		charger 110 or 220	
Frequency	Hz	n/a		50 / 60		charger 50 / 60	
Surface finish options	Rms	63 - 250 rms		63 - 250 rms		63 - 250 rms	
Compliance	n/a	ASME B16.5, CE		ASME B16.5, CE		ASME B16.5, CE	
Unit weight	kg / lbs	11.9 / 26.2		12.9 / 28.4		13.6 / 29.9	
Packing dimensions	mm	625 x 633 x 203		625 x 633 x 203		625 x 633 x 203	
Packing weight	kg / lbs	31.4 / 69.2		32.4 / 71.4		33.1 / 72.9	
Our group policy is one of continuous improvement. Products and data tables are subject to change and may vary from those illustrated.							

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



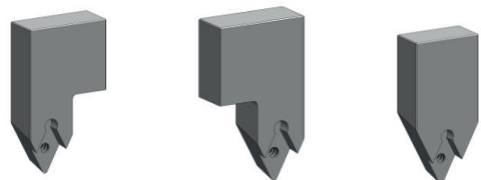
DIMENSIONS



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

TOOLS

HOLDERS (included with machine)



INSERTS FOR CARBON AND STAINLESS STEEL



Inserts for carbon steel
(box of 10)

PART NO. CTI070204CS

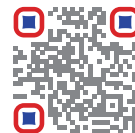


Inserts for carbon steel
(box of 10)

PART NO. CTI070204SS

PREP 8 PORTABLE PIPE BEVELING MACHINE

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





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

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

One of our most powerful and popular i/d locking, in-line feed end prep machines. This is mainly due to its impressive 2 - 8" working range and unrivalled power. The PREP 8 is a portable, one man operation machine, its power to weight ratio, and offset 4-jaw tool holder (chuck) allows use of up to 4 insert or formed tools to enables simultaneous external, internal beveling of even the heaviest wall pipe. The PREP 8 is a real workhorse. Its size, power, and functionality, make it extremely popular in high volume heavy duty beveling applications, on site, or in the workshop.



FEATURES AND ADVANTAGES

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

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

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



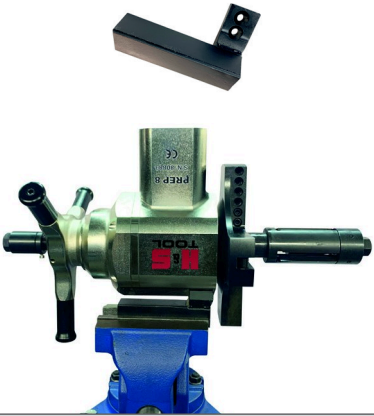
POWER OPTIONS:

PNEUMATIC  PART NO. HSP8P	ELECTRIC  PART NO. HSP8E110 PART NO. HSP8E220	BATTERY  PART NO. HSP8B110 PART NO. HSP8B220	PNEUMATIC AUTO LOCK  PART NO. HSP8PALD
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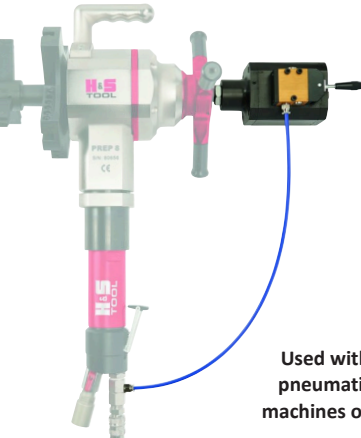
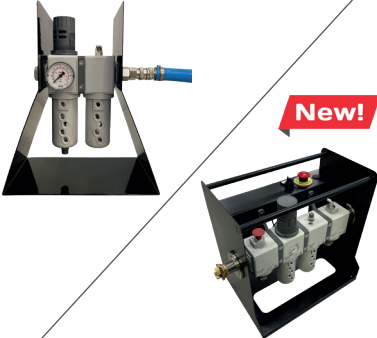
* LOGISTICS NOTE – UN3481 COMPLIANCE

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

ACCESSORIES AND OPTIONS

ELBOW / FITTINGS SHAFT * 2.20 - 8.46" i/d 56 - 215 mm i/d  PART NO. TP8ESK	RATCHET HANDLES  PART NO. HSP8RHK	BENCH ATTACHMENT  PART NO. TP8BMA
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* Contact us to confirm elbow radius

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

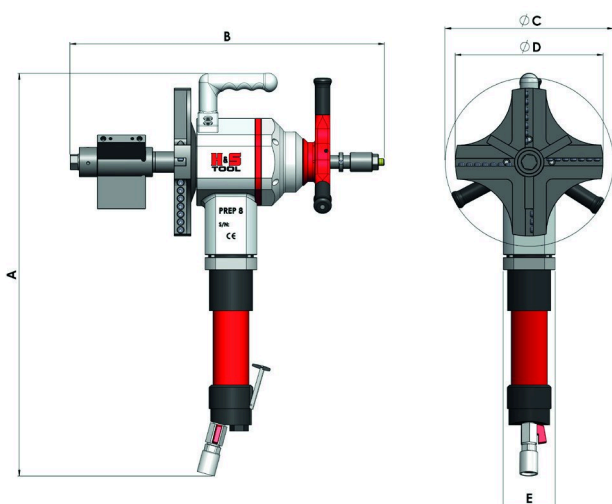
DESCRIPTION	MEASUREMENT	PNEUMATIC	ELECTRIC	BATTERY
Part Number	n/a	HSP8P / HSP8PALD	HSP8E110 / HSP8E220	HSP8B110 / HSP8B220
Locking tube range	mm (i/d)	50 - 215 mm	50 - 215 mm	50 - 215 mm
Locking tube range	inch (i/d)	1.96 - 8.46"	1.96 - 8.46"	1.96 - 8.46"
Idle speed	rpm	5 - 52	5 - 34	7 / 13 / 18
Torque	N m	265	280	425
Length of axial feed	mm / inch	40 / 1.57	40 / 1.57	40 / 1.57
Max operating temperature	°C	55	55	55
Max acoustic radiation	dB	75	75	75
Pneumatic motor power	hp	1.85	n/a	n/a
Air consumption	cfm / l/min.	50 / 1400	n/a	n/a
Air working pressure	psi / bar	90 / 6.5	n/a	n/a
Air hose connection	inches	¾"	n/a	n/a
Electric motor power	watt	n/a	1900	18V (1500)
Voltage	volt	n/a	110 or 220	charger 110 or 220
Frequency	Hz	n/a	50 / 60	charger 50 / 60
Unit weight	kg / lbs	25 / 55	26 / 57	26 / 57
Packing dimensions	mm /	830 x 780 x 250 / 32.7 x 30.7 x 9.8	830 x 610 x 250 / 32.7 x 24 x 9.8	830 x 610 x 250 / 32.7 x 24 x 9.8
Packing weight	kg / lbs	55 / 121	54 / 119	54 / 119

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



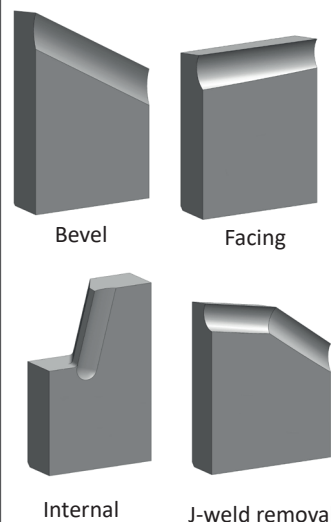
DIMENSIONS



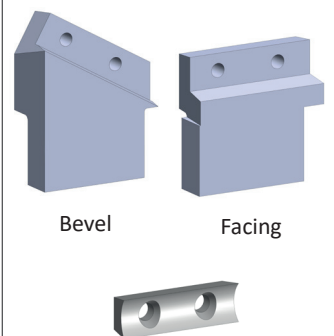
DIM	PNEUMATIC	ELECTRIC
A	670 mm / 26.38"	700 mm / 27.56"
B	520 mm / 20.47"	520 mm / 20.47"
ØC	278 mm / 10.94"	278 mm / 10.94"
ØD	220 mm / 8.66"	220 mm / 8.66"
E	86 mm / 3.39"	90 mm / 3.54"

EXAMPLES OF COMMON CUTTING TOOLS

FORMED TOOLS



HOLDER / INSERT



One insert fits ALL holders

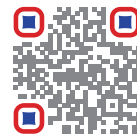
All shapes, sizes and angles available

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



PREP 16 PORTABLE PIPE BEVELING MACHINE

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



H&S TOOL
AN ACE GROUP BRAND



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

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



FEATURES AND ADVANTAGES

The PREP 16 is the first in 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, utilize 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



PART NO. HSP16SE110
PART NO. HSP16SE220

SERVO ELECTRIC WITH AUTO FEED



PART NO. HSP16SE110AF
PART NO. HSP16SE220AF

PNEUMATIC



PART NO. HSP16P

HYDRAULIC



PART NO. HSP16H

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

FEATURES

SERVO ELECTRIC

RECOMMENDED



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

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 BB-SUMNER Max-Jax™ (PART NO. TP16PSA + 3500B + 3504)

RATCHET FEED AND LOCKING



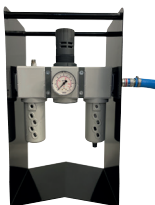
The PREP 16 utilizes a ratchet system for both jaw locking, and bevel feed. Machine with auto feed (PART NO. HSP16SE110AF/HS16SE220AF) available on request.

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.

AIR FILTER LUBRICATORS FOR PNEUMATIC MACHINES ONLY



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

PREP 16 TECHNICAL FEATURES

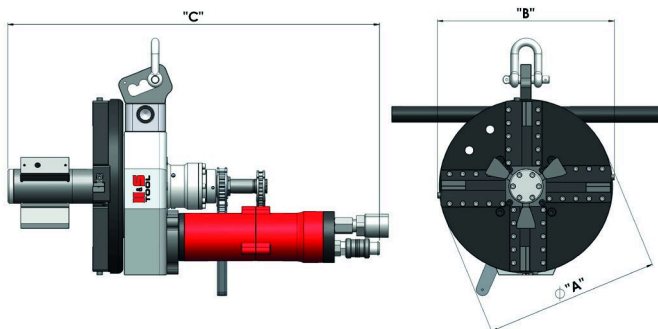
DESCRIPTION	MEASUREMENT	PNEUMATIC	SERVO ELECTRIC	SERVO ELECTRIC WITH AUTO FEED	HYDRAULIC
Part Number	n/a	HSP16P	HSP16SE110 / HSP16SE220	HSP16SE110AF / HSP16SE110AF	HSP16H
Locking tube range	mm / inch (i/d)	72 - 400 / 2.8 - 15.75"	72 - 400 / 2.8 - 15.75"	72 - 400 / 2.9 - 15.75"	72 - 400 / 2.8 - 15.75"
Working range	mm / inch (o/d)	72 - 406 / 3 - 16"	72 - 406 / 3 - 16"	72 - 406 / 3 - 16"	72 - 406 / 3 - 16"
Idle speed	rpm	5 - 18	1 - 18	1 - 18	1 - 26
Length of axial feed	mm / inch	50 / 2	50 / 2	50 / 2	50 / 2
Max operating temperature	°C	55	60	60	60
Max acoustic radiation	dB	75	45	45	55
Pneumatic Motor Power	hp	3.5	n/a	n/a	5.4
Air Consuming Flux	cfm / l/min.	90 / 2500	n/a	n/a	n/a
Air working pressure	psi / bar	90 / 6.5	n/a	n/a	n/a
Air Hose Connection	inches	¾"	n/a	n/a	n/a
Servo Electric Motor Power	kw	n/a	1.5	1.5	n/a
Voltage	volt	n/a	110 or 220	110 or 220	refer to hydraulic power pack
Frequency	Hz	n/a	50 / 60	50 / 60	refer to hydraulic power pack
Remote Control	Yes / No	No	Yes	Yes	Yes
Forward / Reverse	Yes / No	No	Yes	Yes	Yes
Unit weight	kg / lbs	43 / 95	44 / 97	44 / 97	41 / 90
Packing dimensions L x W x H	mm / inch	860 x 570 x 530 / 33.8 x 22.4 x 20.9	860 x 570 x 530 / 33.8 x 22.4 x 20.9	860 x 570 x 530 / 33.8 x 22.4 x 20.9	860 x 570 x 530 / 33.8 x 22.4 x 20.9
Packing weight	kg / lbs	128 / 282	140 / 305	140 / 305	125 / 275

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

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



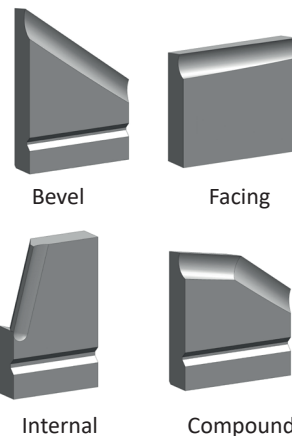
DIMENSIONS



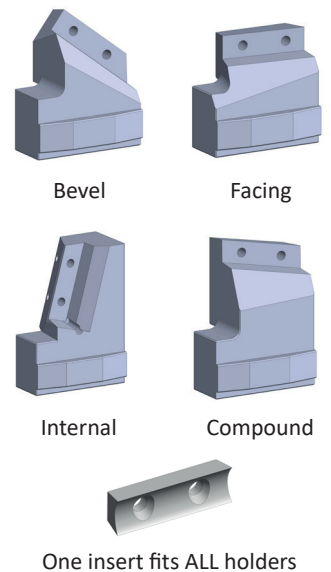
DIM	PNEUMATIC	SERVO ELECTRIC	HYDRAULIC
ØA	323 mm / 12.72"	323 mm / 12.72"	323 mm / 12.72"
B	407 mm / 16.02"	407 mm / 16.02"	407 mm / 16.02"
C	750 mm / 29.53"	630 mm / 24.80"	530 mm / 20.87"

EXAMPLES OF COMMON CUTTING TOOLS

FORMED TOOLS



HOLDER / INSERT (Recommended)



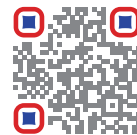
All shapes, sizes and angles available

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

MAGNATECH
AN OTC GROUP BRAND

PREP 24 PORTABLE PIPE BEVELING 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 utilize ratchet feed, and locking. This allows effortless setup, and enables the operator to deliver consistent feed with minimal effort.



POWER OPTIONS

SERVO ELECTRIC

RECOMMENDED



PART NO. HSP24SE110
PART NO. HSP24SE220

SERVO ELECTRIC WITH AUTO FEED



PART NO. HSP24SE110AF
PART NO. HSP24SE220AF

PNEUMATIC



PART NO. HSP24P

HYDRAULIC



PART NO. HSP24H

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

FEATURES

SERVO ELECTRIC

RECOMMENDED



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

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 BB-SUMNER Max-Jax™ (PART NO. TP24PSA + 3500B + 3504)

RATCHET FEED AND LOCKING



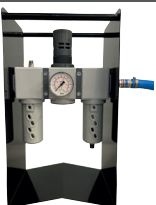
The PREP 24 utilizes a ratchet system for both jaw locking, and bevel feed. Machine with auto feed (PART NO. HSP24SE110AF/HSP24SE220AF) available on request.

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.

AIR FILTER LUBRICATORS FOR PNEUMATIC MACHINES ONLY



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

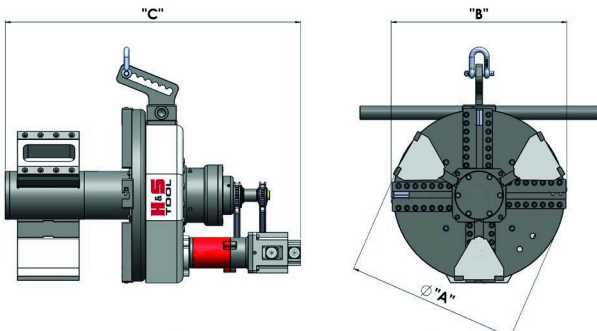
PREP 24 TECHNICAL FEATURES

DESCRIPTION	MEASUREMENT	PNEUMATIC	SERVO ELECTRIC	SERVO ELECTRIC WITH AUTO FEED	BATTERY
Part Number	n/a	HSP24P	HSP24SE110 / HSP24SE220	HSP24SE110AF / HSP24SE220AF	HSP24H
Locking tube range	mm / inch (i/d)	175 - 600mm / 6.89 - 23.62"	175 - 600mm / 6.89 - 23.62"	175 - 600 mm / 6.89 - 23.62"	175 - 600mm / 6.89 - 23.62"
Working range	mm / inch (o/d)	180 - 604mm / 7 - 24"	180 - 604mm / 7 - 24"	180 - 604 mm / 7 - 24"	180 - 604mm / 7 - 24"
Idle speed	rpm	2 - 9	2 - 9	2 - 9	2 - 14
Length of axial feed	mm / inch	60 / 2.4	60 / 2.4	60 / 2.4	60 / 2.4
Max operating temperature	°C	55	60	60	60
Max acoustic radiation	dB	75	45	45	55
Pneumatic Motor Power	hp	3.5	n/a	n/a	5.4
Air Consuming Flux	cfm / l/min.	90 / 2500	n/a	n/a	n/a
Air working pressure	psi / bar	90 / 6.5	n/a	n/a	n/a
Air Hose Connection	inches	¾"	n/a	n/a	n/a
Servo Electric Motor Power	kw	n/a	1.5	1.5	n/a
Voltage	volt	n/a	110 or 220	110 or 220	refer to hydraulic power pack
Frequency	Hz	n/a	50 / 60	50 / 60	refer to hydraulic power pack
Remote Control	Yes / No	No	Yes	Yes	Yes
Forward / Reverse	Yes / No	No	Yes	Yes	Yes
Unit weight	kg / lbs	214 / 471	216 / 476	216 / 476	210 / 462
Packing dimensions L x W x H	mm / inch	1200 x 840 x 910 / 47.2 x 33 x 35.8	1200 x 840 x 910 / 47.2 x 33 x 35.8	1200 x 840 x 910 / 47.2 x 33 x 35.8	1200 x 840 x 910 / 47.2 x 33 x 35.8
Packing weight	kg / lbs	412 / 908	424 / 935	424 / 935	408 / 900
<i>Our group policy is one of continuous improvement. Products and data tables are subject to change and may vary from those illustrated.</i>					

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



DIMENSIONS



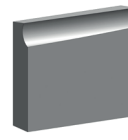
DIM	PNEUMATIC	SERVO ELECTRIC	HYDRAULIC
ØA	550 mm / 21.65"	550 mm / 21.65"	550 mm / 21.65"
B	580 mm / 22.83"	580 mm / 22.83"	580 mm / 22.83"
C	1005 mm / 39.57"	955 mm / 37.60"	855 mm / 33.66"

EXAMPLES OF COMMON CUTTING TOOLS

FORMED TOOLS



Bevel



Facing

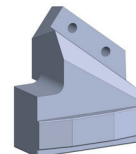


Internal

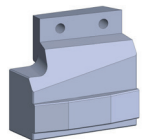


Compound

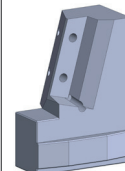
HOLDER / INSERT (Recommended)



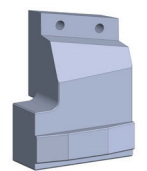
Bevel



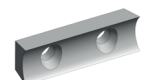
Facing



Internal



Compound



One insert fits ALL holders

All shapes, sizes and angles available

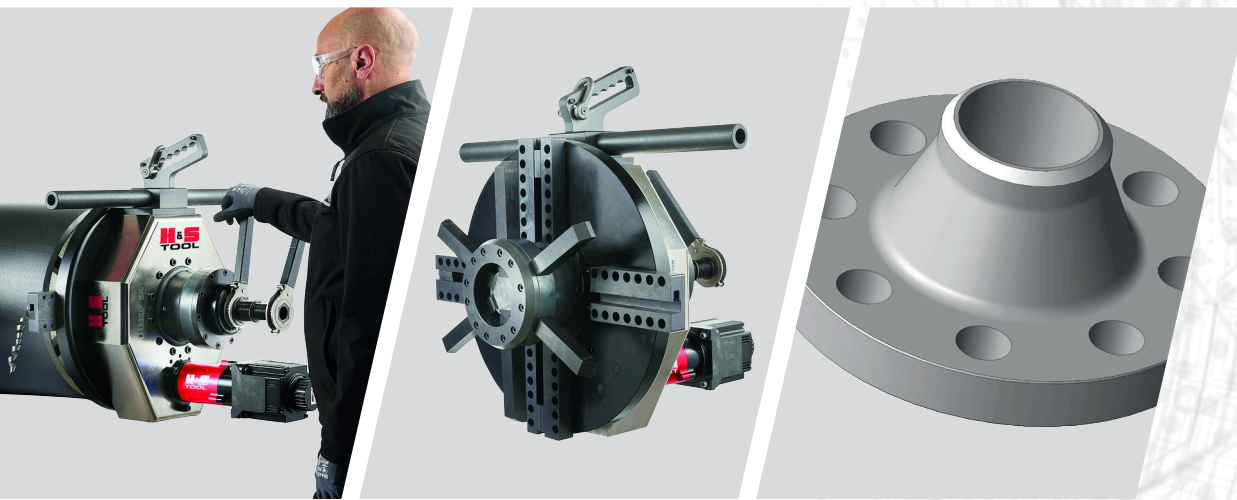
Specific tooling for automatic orbital welding applications with Magnatech is available.

MAGNATECH
AN ISO GROUP BRAND

PREP 16 AND PREP 24 ELBOW / FITTING PIPE BEVELING MACHINE



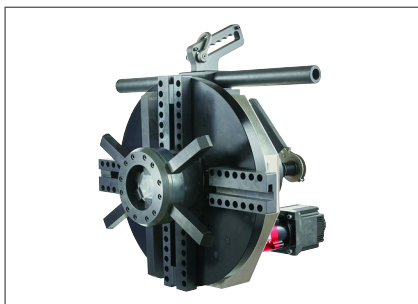
Portable Elbow and Fitting Machine





Portable Elbow and Fitting Machine

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

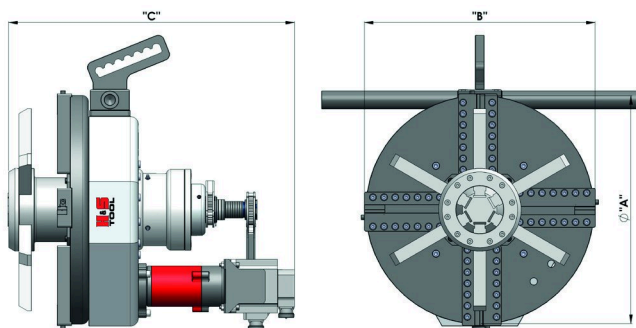


PREP 16 AND PREP 24 ELBOW / FITTINGS TECHNICAL FEATURES

DESCRIPTION	MEASUREMENT	PNEUMATIC	SERVO ELECTRIC	SERVO ELECTRIC WITH AUTO FEED	HYDRAULIC
Part Number	n/a	HSP16EP	HSP16ESE110 / HSP16ESE220	HSP16ESE110AF / HSP16ESE220AF	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"	130 - 410 mm / 5.11 - 16.14"

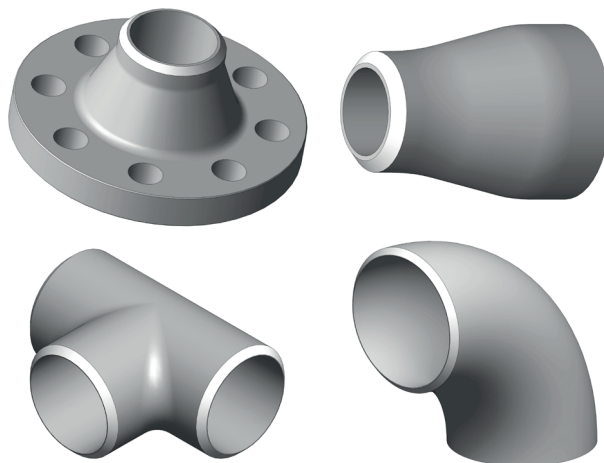
Part Number	n/a	HSP24EP	HSP24ESE110 / HSP24ESE220	HSP24ESE110AF / HSP24ESE220AF	HSP24EH
Locking tube range	mm / inch (i/d)	210 - 600 mm / 8.26 - 23.62"	210 - 600 mm / 8.26 - 23.62"	210 - 600 mm / 8.26 - 23.62"	210 - 600 mm / 8.26 - 23.62"

DIMENSIONS PREP 16 / 24 ELBOW / FITTINGS



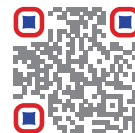
	DIMENSIONS	PNEUMATIC	SERVO ELECTRIC	HYDRAULIC
PREP 16	ØA	323 mm / 12.72"	323 mm / 12.72"	323 mm / 12.72"
	B	407 mm / 16.02"	407 mm / 16.02"	407 mm / 16.02"
	C	705 mm / 27.76"	650 mm / 25.59"	550 mm / 21.65"
PREP 24	ØA	550 mm / 21.65"	550 mm / 21.65"	550 mm / 21.65"
	B	580 mm / 22.83"	580 mm / 22.83"	580 mm / 22.83"
	C	755 mm / 29.72"	705 mm / 27.76"	605 mm / 23.82"

EXAMPLES OF FITTINGS

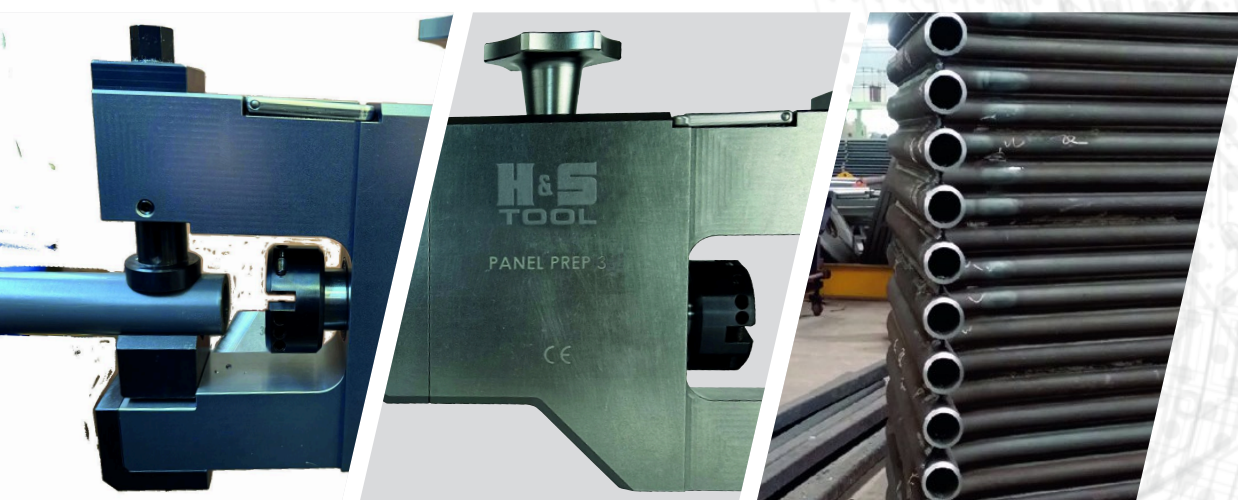


* Contact us to confirm elbow radius

PANEL PREP MACHINES



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



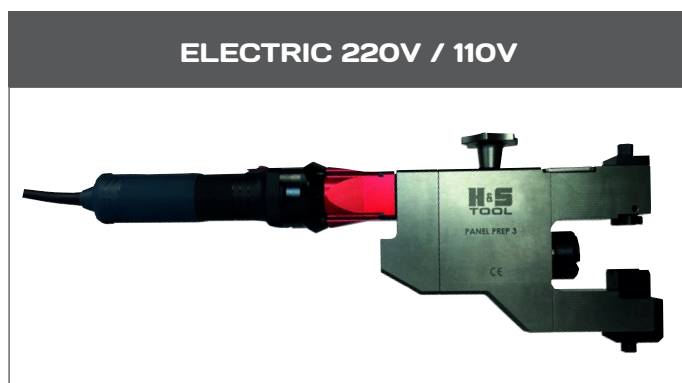
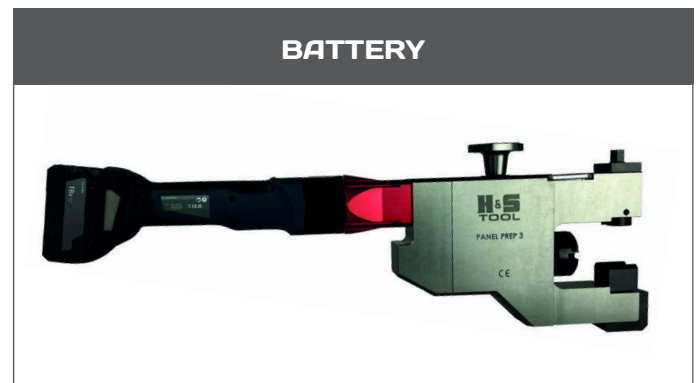
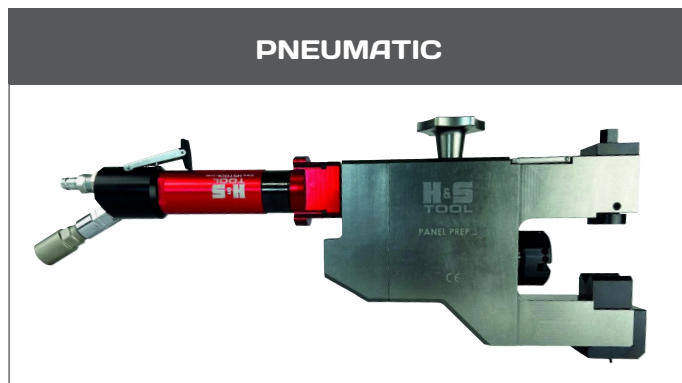


0.3 - 4" o/d / 8 - 108 mm o/d

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

MODEL	PIPE O/D RANGE	PART NO. PNEUMATIC	PART NO. BATTERY	PART NO. ELECTRIC
H&S Panel Prep 2	0.3 - 2" / 8 - 53 mm	HSPP2P	n/a	HSPP2E110 / HSPP2E220
H&S Panel Prep 3	0.5 - 3" / 12.7 - 73 mm	HSPP3P	HSPP3B110 / HSPP3B220	HSPP3E110 / HSPP3E220
H&S Panel Prep 4	2 - 4" / 50 - 108 mm	HSPP4P	n/a	HSPP4E110 / HSPP4E220

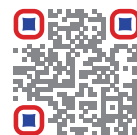


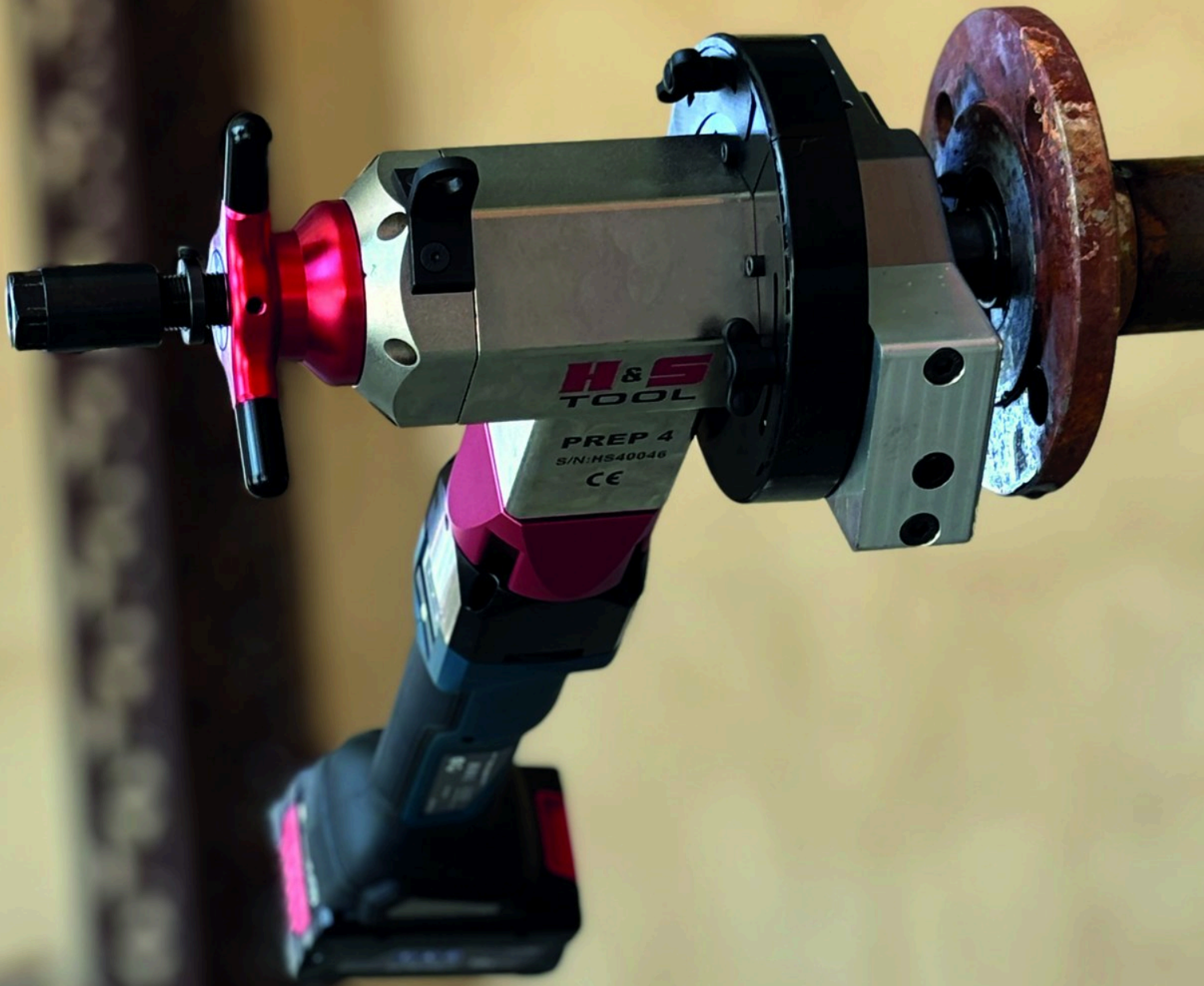
* Interchangeable motor conversion kits are available in pneumatic, battery and electric version.
See Price List for more information.

CLAMPING JAWS:

MODEL	MEASUREMENT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
H&S Panel Prep 2	O/D mm / inch	8 / 0.31	10 / 0.39	12 / 0.47	14 / 0.55	16 / 0.63	18 / 0.71	20 / 0.79	22 / 0.87	25.4 / 1	28 / 1.1	32 / 1.26	38 / 1.50	42 / 1.65	45 / 1.77	48 / 1.89	51 / 2	53 / 2.1
H&S Panel Prep 4	O/D mm / inch	50 / 1.97	54 / 2.12	57 / 2.24	60 / 2.36	63 / 2.48	68 / 2.68	70 / 2.76	73 / 2.87	76 / 2.99	83 / 3.27	89 / 3.50	95 / 3.74	108 / 4.25	n/a	n/a	n/a	n/a
One clamping jaw is only for one specific pipe size - specials can be made upon request																		
MODEL	MEASUREMENT	1										2						
H&S Panel Prep 3	O/D inch / mm	From 0.5 - 1.49" / 12.5 - 38 mm										From 1.49 - 2.87" / 38 - 73 mm						

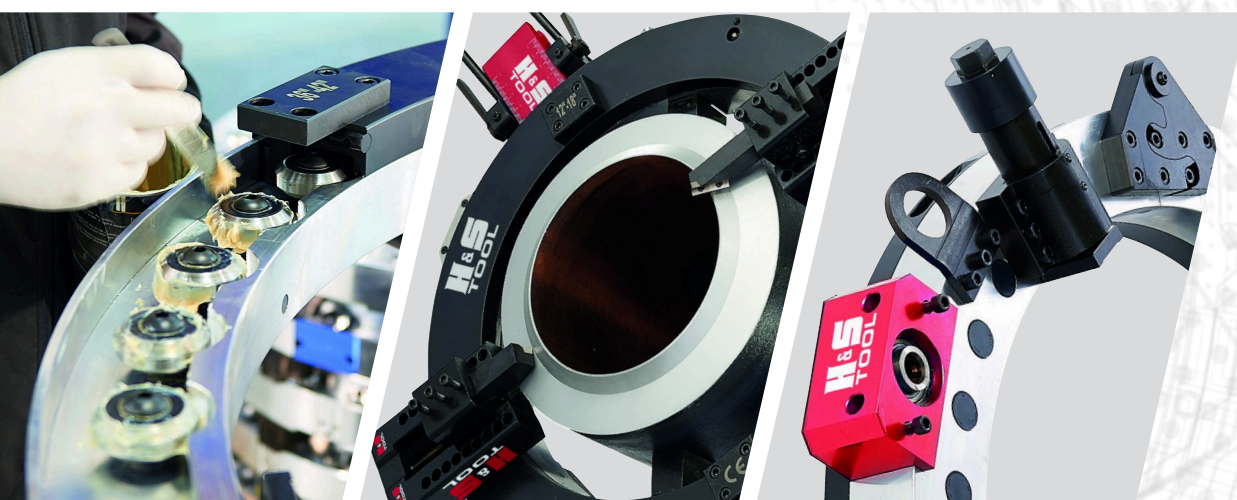
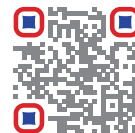
PIPE COLD CUTTING MACHINES



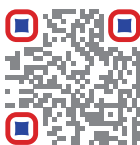


SPLIT FRAME CLAMSHELL COLD CUTTING AND BEVELING MACHINES

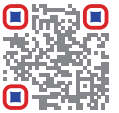
1 - 48" o/d / 33.4 - 1,220 mm o/d



SCAN QR CODE
TO WATCH VIDEO



H&S TOOL
AN  GROUP BRAND



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

Customized 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 (110v, 220v, three phase 380-480v)

HSSFC3 - HSSFC24 (MODULAR BLOCK LOCKING JAWS)



		HSSFC3	HSSFC6	HSSFC8	HSSFC12	HSSFC16	HSSFC18	HSSFC20	HSSFC24
Pipe Range	inch o/d	1 - 3"	1 - 6"	2 - 8"	6 - 12"	10 - 16"	12 - 18"	14 - 20"	18 - 24"
Pipe Range	mm o/d	33.4 - 88.9	33.4 - 168.3	60.3 - 219.1	168.3 - 323.9	273.1 - 406.4	323.9 - 457.2	355.6 - 508	457.2 - 609.6
Ring Locking Range	inch / mm o/d	0.98 - 3.62" 25 - 92	0.98 - 7.24" 25 - 184	1.97 - 9.25" 50 - 235	6.50 - 13.78" 165 - 350	10.43 - 16.73" 265 - 425	12.48 - 18.78" 317 - 477	13.50 - 20.79" 343 - 528	17.72 - 25.20" 450 - 640

*Selected HSSFC models (HSSFC8-HSSFC24) can be modified to have an extended range of 1" (HSSFC8) or 2" (e.g: HSSFC16 can be extended to 8 to 16") by adding an additional locking jaws set. See price list for more details.

* Selected TSFC models (HSSFC6-HSSFC24) can be fitted with optional complete locking jaws set for stainless steel applications (Part no. TSFCSEJ6-20SS).

HSSFC30 - HSSFC48 (TELESCOPIC LOCKING JAWS)



		HSSFC30	HSSFC36	HSSFC42	HSSFC48
Locking Range	inch o/d	24 - 30"	30 - 36"	36 - 42"	42 - 48"
Locking Range	mm o/d	609.6 - 762	762 - 914.4	914.4 - 1,066.8	1,066.8 - 1,219.2

*Above HSSFC models can be modified to have an extended range of 2" by adjusting the telescopic jaws and by adding the toolbox pair (Part no. HSSFTB11XL) (e.g: HSSFC30 can be extended to 22" to 30").

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

THE BASICS

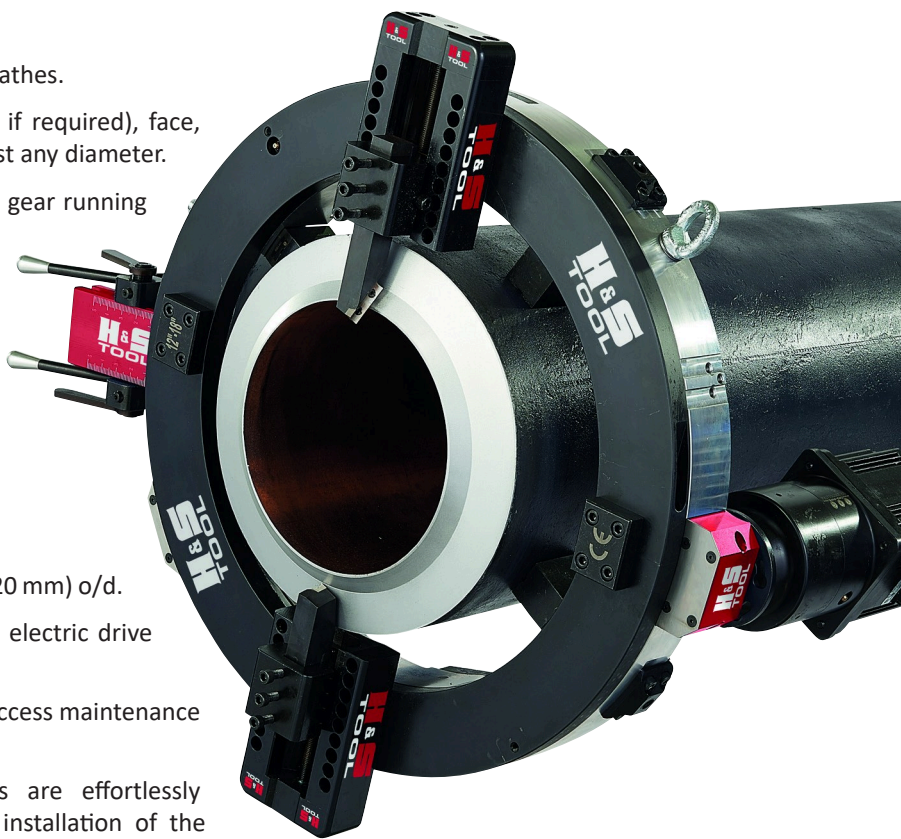
H&S's new split frame clamshells are essentially portable lathes.

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

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

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

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



FEATURES AND ADVANTAGES

- 12 models cover a range from 1" (33.4 mm) 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.
- Modular block locking or telescopic locking jaws are effortlessly individually adjusted and allow for quick and easy installation of the clamshell on the pipe. Feet feature easy read measure marks for rapid setup and adjustment.
- H&S split frame clamshells accept a wide range of accessories to increase performance and expand machine capabilities.
- Unique 'H&S transmission' tool slides with changeable gears for adjustable radial tool feed.

QUICK SPLIT FRAME DESIGN



FEATURES



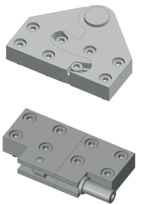
H&S advanced cam roller bearing system enables fine adjustment of bearings for optimal performance and maintenance delivering smooth precise rotation



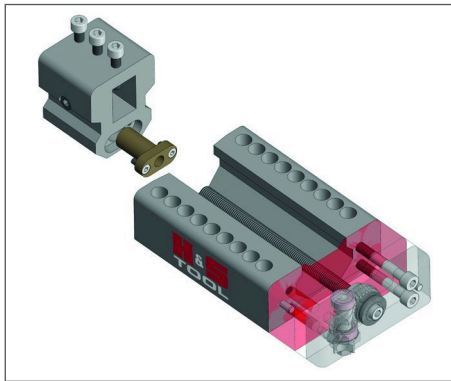
Using the latest high grade aluminium along with treated steel crown the H&S split frames are designed for heavy duty industrial on-site use



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



Custom made metal box with foam insert to insure protection of the machine (up to HSSFC48)



H&S 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 utilize the same drive block. Machines from 16" upwards are equipped with two motor mounts. Front drive motor mount optionally available.



MODULAR BLOCK JAWS

Individual movable modular locking system with H&S advanced external metal plate to take pressure away from aluminium ring, clamping foot size 40 x 60 mm (1.57 x 2.36").



TELESCOPIC JAWS

Individual movable telescopic locking system externally mounted to keep aluminium ring solid for extra strength, increased clamping foot size 55 x 115 mm (2.16 x 4.52") for fast accurate setup.



Double striker enables feeding of 0.2mm (0.008") per revolution, also utilizing H&S extended engaging handle meaning hands free operation

TOOL BOXES AND ACCESSORIES

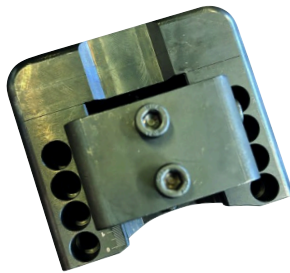
The tool boxes are available in various configurations to accept the full range of H&S tooling.

STANDARD TOOL BOX



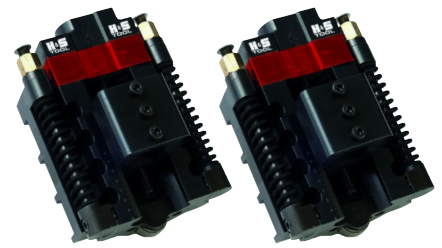
- Supplied as standard with complete machine
- **HSSFC3 (Part No HSSFTB4S)**
- **HSSFC6 - HSSFC8 (Part No HSSFTB8S)**
Cutting and beveling all materials up to 2.3" / 60 mm wall thickness
- **HSSFC12 - HSSFC24 (Part No HSSFTB10M)**
Cutting and beveling all materials up to 4.7" / 120 mm wall thickness
- **HSSFC30 - HSSFC42 (Part No HSSFTB9L)**
Cutting and beveling all materials up to 4.7" / 120 mm wall thickness
- **HSSFC48 (Part No HSSFTB12XL)**
Cutting and beveling all materials up to 4.7" / 120 mm wall thickness

STANDARD LOW CLEARANCE TOOL BOX



- Available as accessory
- Low profile for tight access situations
- **HSSFC6 - HSSFC8 (Part No HSSFTB4S)**
Cutting and beveling all materials up to 1" / 25 mm wall thickness
- **HSSFC12 - HSSFC24 (Part No HSSFTB8S)**
Cutting and beveling all materials up to 2.3" / 60 mm wall thickness
- **HSSFC30 - HSSFC48 (Part No HSSFTB10M)**
Cutting and beveling all materials up to 4.7" / 120 mm wall thickness

SPRING LOADED O/D TRACKING TOOL BOX



- Available as accessory
- Ensuring accurate weld prep and root face by mechanically tracking the o/d of the pipe (ideal for out of round and large diameters pipe)
- **HSSFC6 - HSSFC24 (Part No HSSFCSLTBM)**
Cutting and beveling all materials up to 0.8" / 20 mm wall thickness
- **HSSFC30 - HSSFC42 (Part No HSSFCSLTBL)**
Cutting and beveling all materials up to 0.8" / 20 mm wall thickness
- **HSSFC48 (Part No HSSFCSLTBXL)**
Cutting and beveling all materials up to 0.8" / 20 mm wall thickness

COUNTER BORE TOOL SLIDE

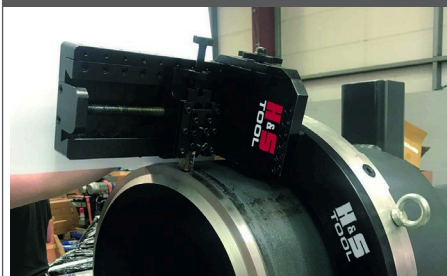


PART NO: HSSFCIT150MM (HSSFC6-24)
PART NO: HSSFCIT150ML (HSSFC30-48)
* PART NO: TSFCIBE50

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

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

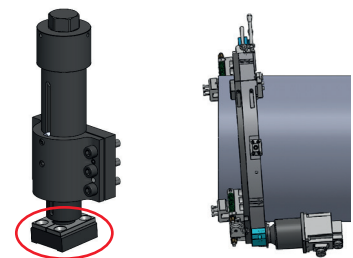
OUTSIDE BEVEL TOOL SLIDE



PART NO: HSSFOBT (HSSFC6 - 24)
PART NO: HSSFOBT (HSSFC30 - 48)

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

SWIVEL LOCKING JAWS



PART NO: TSFCSJS (HSSFC6 - 24)
PART NO: TSFCSJSEL (HSSFC30 - 48)

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

H&S CLAMSHELL POWER OPTIONS & DRIVE UNITS

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

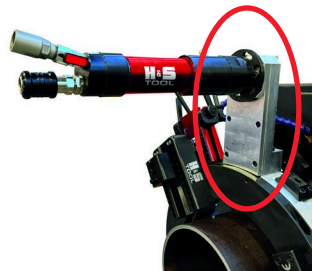
Drive motors are available in servo electric, hydraulic, pneumatic and electric configurations. Motor mounting flanges are standard available in straight back (in-line) and elbow / right angle version. Front drive reversible version is optional.

HSSFC3 - HSSFC24: IN-LINE MOTORS (STANDARD)

SERVO ELECTRIC MOTOR *	PNEUMATIC MOTOR *	HYDRAULIC MOTOR	ELECTRIC MOTOR
RECOMMENDED			
			
HSSFC6 - HSSFC24	HSSFC3 - HSSFC24	HSSFC6 - HSSFC24	HSSFC3 - HSSFC12
PART NO: HSSFCSEMG16-110V PART NO: HSSFCSEMG16-220V	PART NO: HSSFCPMG16	PART NO: TSFCHMG16	PART NO: HSSFCECK110 PART NO: HSSFCECK220

*On HSSFC16 - HSSFC120 Double Servo Electric and Double Pneumatic motorization is possible. For double pneumatic motorization, the double pneumatic conversion connectors and hose (PART NO. TSFCDPCCS) must be used.

HSSFC3 - HSSFC24: ELBOW MOTORS & FRONT DRIVE MOTOR MOUNT (OPTIONAL)

ELBOW SERVO ELECTRIC MOTOR *	ELBOW PNEUMATIC MOTOR *	FRONT DRIVE MOTOR MOUNT **
RECOMMENDED		
		
HSSFC6 - HSSFC24	HSSFC3 - HSSFC24	HSSFC8 - HSSFC24
PART NO: XP-TSFCSEMG16 PART NO: XP-TSFCSEMG16-3P	PART NO: HSSFCEPMG16	PART NO: TSFCFMAL

*On HSSFC16 - HSSFC120 Double Servo Electric and Double Pneumatic motorization is possible. For double pneumatic motorization, the double pneumatic conversion connectors and hose (PART NO. TSFCDPCCS) must be used.

** On HSSFC16 - HSSFC48 two front drive motor mounts can be installed and these can be fitted with servo electric, electric, pneumatic and hydraulic motor.

HSSFC30 - HSSFC48: IN-LINE MOTORS (STANDARD)

SERVO ELECTRIC MOTOR *	PNEUMATIC MOTOR *	HYDRAULIC MOTOR
RECOMMENDED		
		
HSSFC30 - HSSFC48	HSSFC30 - HSSFC48	HSSFC30 - HSSFC48
PART NO: HSSFCSEMG25-110V PART NO: HSSFCSEMG25-220V	PART NO: HSSFCPMG25	PART NO: TSFCHMG25

*On HSSFC16 - HSSFC120 Double Servo Electric and Double Pneumatic motorization is possible. For double pneumatic motorization, the double pneumatic conversion connectors and hose (PART NO. TSFCDPCCS) must be used.

HSSFC30 - HSSFC48: ELBOW MOTORS & FRONT DRIVE MOTOR MOUNT (OPTIONAL)

ELBOW SERVO ELECTRIC MOTOR *

RECOMMENDED



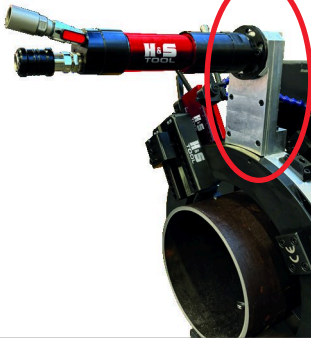
PART NO: XP-TSFCSEMG25
PART NO: XP-TSFCSEMG25-3P

ELBOW PNEUMATIC MOTOR *



PART NO: HSSFCEPMG25

FRONT DRIVE MOTOR MOUNT **



PART NO: TSFCFMAXL

*On HSSFC16 - HSSFC120 Double Servo Electric and Double Pneumatic motorization is possible. For double pneumatic motorization, the double pneumatic conversion connectors and hose (PART NO. TSFCDPCCS) must be used.

** On HSSFC16 - HSSFC48 two front drive motor mounts can be installed and these can be fitted with servo electric, electric, pneumatic and hydraulic motor.

H&S'S ELECTRIC NC SERVO DRIVE MOTOR SYSTEM

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

H&S offers 2 versions of the NC Servo Drive Motor System:

- The **single servo motor system** (from HSSCF6 upwards) (single phase, 110v or 220v) is equipped with 1 Delta 1.5 kW servo motor, an NC control unit with a wired remote.
- The **double servo motor system** (from HSSCF16 upwards) (single phase, 220v or three phase 380-480v) is equipped with 2 Delta 1.5 kw servo motors, an NC control unit with operator's touch screen (allowing detailed RPM and program setting controls) and wireless remote, providing additional safety to machine operator.

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

Single servo control

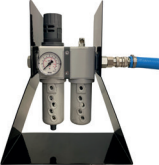


Double servo control



AIR FILTER LUBRICATORS FOR PNEUMATIC MACHINES ONLY

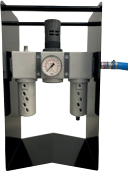
Air filter lubricator



HSSFC3 - HSSFC24

PART NO: AFL1

Air filter lubricator



HSSFC30 - HSSFC120

PART NO: AFL2

New!

Air filter lubricator with emergency stop



PART NO: DEFE-FRL5

New!

Air filter lubricator with emergency stop and automatic striker system



PART NO: DEFE-BOX-1

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

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

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

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

TOOLING

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

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



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

All shapes, sizes and angles available

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

MAGNATECH
AN H&S GROUP BRAND

FIXED ANGLE BEVEL



COMPOUND BEVEL



J PREP



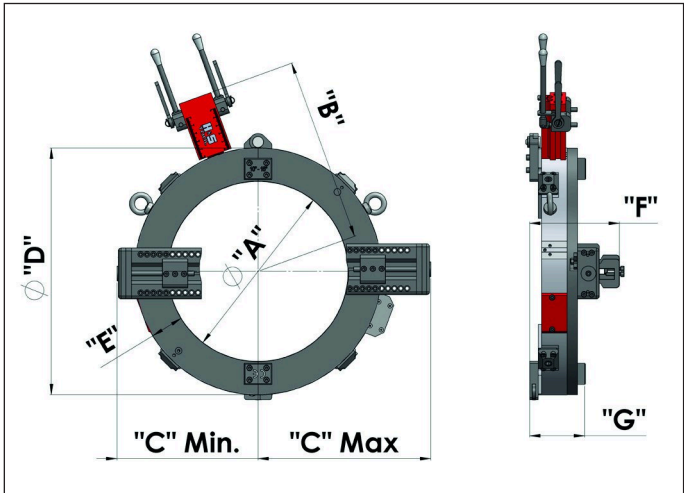
RING DIMENSIONS

		HSSFC3	HSSFC6	HSSFC8	HSSFC12	HSSFC16	HSSFC18	HSSFC20	HSSFC24	HSSFC30	HSSFC36	HSSFC42	HSSFC48
O/D RANGE	inch	1 - 3"	1 - 6"	2 - 8"	6 - 12"	10 - 16"	12 - 18"	14 - 20"	18 - 24"	24 - 30"	30 - 36"	36 - 42"	42 - 48"
A	mm / inch	95.0 / 3.74	184.0 / 7.24	235.0 / 9.25	350.0 / 13.78	425.0 / 16.73	477.0 / 18.78	528.0 / 20.79	640.0 / 25.20	800.0 / 31.50	956.0 / 37.64	1108.0 / 43.62	1280.0 / 50.39
B	mm / inch	223.0 / 8.78	283.0 / 11.14	308.5 / 12.15	396.0 / 15.59	433.5 / 17.07	459.5 / 18.09	485.0 / 19.09	541.0 / 21.30	635.0 / 25.00	713.0 / 28.07	789.0 / 31.06	895.0 / 35.24
C MIN	mm / inch	136.0 / 5.35	187.0 / 7.36	212.5 / 8.37	270.0 / 10.63	307.5 / 12.11	333.5 / 13.13	359.0 / 14.13	415.0 / 16.34	523.5 / 20.61	601.5 / 23.68	677.5 / 26.67	783.5 / 30.85
C MAX	mm / inch	168.0 / 6.61	197.0 / 7.76	222.5 / 8.76	356.0 / 14.02	393.5 / 15.49	419.5 / 16.52	445.0 / 17.52	501.0 / 19.72	615.0 / 24.21	693.0 / 27.28	769.0 / 30.28	875.0 / 34.45
D	mm / inch	220.0 / 8.66	340.0 / 13.39	391.0 / 15.39	506.0 / 19.92	581.0 / 22.87	633.0 / 24.92	684.0 / 26.93	796.0 / 31.34	1180.0 / 46.46	1336.0 / 52.60	1488.0 / 58.58	1800.0 / 70.87
E	mm / inch	62.5 / 2.46	78.0 / 3.07	78.0 / 3.07	78.0 / 3.07	78.0 / 3.07	78.0 / 3.07	78.0 / 3.07	78.0 / 3.07	100.0 / 3.94	100.0 / 3.94	100.0 / 3.94	120.0 / 4.72
F	mm / inch	172.5 / 6.79	195.5 / 7.70	195.5 / 7.70	195.5 / 7.70	195.5 / 7.70	195.5 / 7.70	195.5 / 7.70	195.5 / 7.70	267.5 / 10.53	267.5 / 10.53	267.5 / 10.53	277.5 / 10.93
G	mm / inch	81.5 / 3.21	124.0 / 4.88	124.0 / 4.88	124.0 / 4.88	124.0 / 4.88	124.0 / 4.88	124.0 / 4.88	124.0 / 4.88	196.0 / 7.72	196.0 / 7.72	196.0 / 7.72	206.0 / 8.11
X	mm / inch	119.0 / 4.69	130.0 / 5.12	130.0 / 5.12	210.0 / 8.27	210.0 / 8.27	210.0 / 8.27	210.0 / 8.27	210.0 / 8.27	255.0 / 10.04	255.0 / 10.04	255.0 / 10.04	265.0 / 10.43

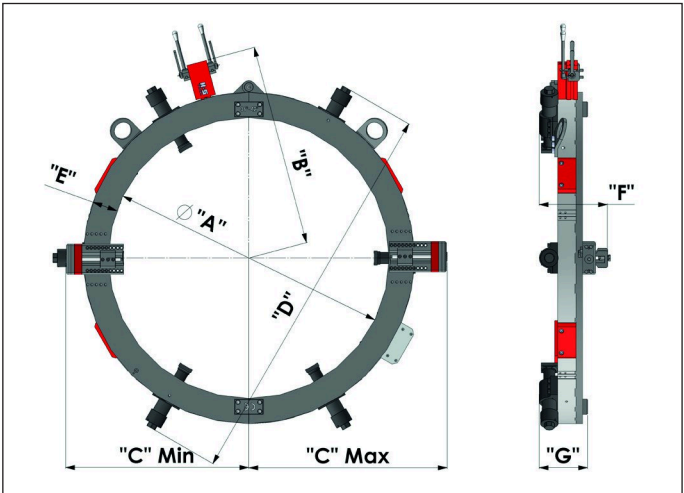
Low clearance options or custom machines available on request in case of access restrictions

F Ring only	172.5 / 6.79	195.5 / 7.70	195.5 / 7.70	195.5 / 7.70	195.5 / 7.70	195.5 / 7.70	195.5 / 7.70	195.5 / 7.70	195.5 / 7.70	267.5 / 10.53	267.5 / 10.53	267.5 / 10.53	267.5 / 10.53
F Pneumatic Motor	527 / 20.75	535.5 / 21.08	535.5 / 21.08	535.5 / 21.08	535.5 / 21.08	535.5 / 21.08	535.5 / 21.08	535.5 / 21.08	535.5 / 21.08	727.6 / 28.65	727.6 / 28.65	727.6 / 28.65	727.6 / 28.65
F Servo Motor	575 / 22.64	525.5 / 20.69	525.5 / 20.69	525.5 / 20.69	525.5 / 20.69	525.5 / 20.69	525.5 / 20.69	525.5 / 20.69	525.5 / 20.69	642.5 / 25.30	642.5 / 25.30	642.5 / 25.30	642.5 / 25.30
F Hydraulic Motor	n/a	425.0 / 16.73	425.0 / 16.73	425.0 / 16.73	425.0 / 16.73	425.0 / 16.73	425.0 / 16.73	425.0 / 16.73	425.0 / 16.73	425.0 / 16.73	425.0 / 16.73	425.0 / 16.73	425.0 / 16.73

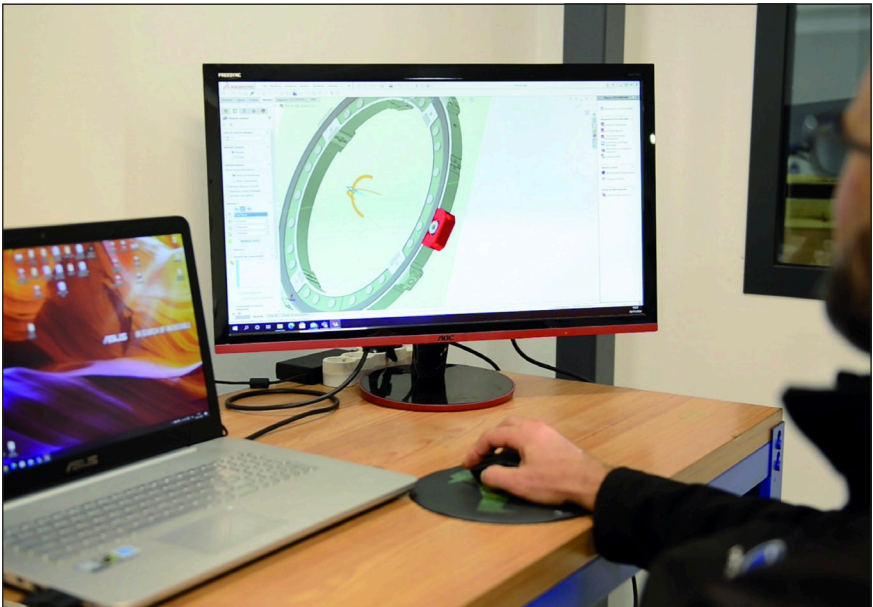
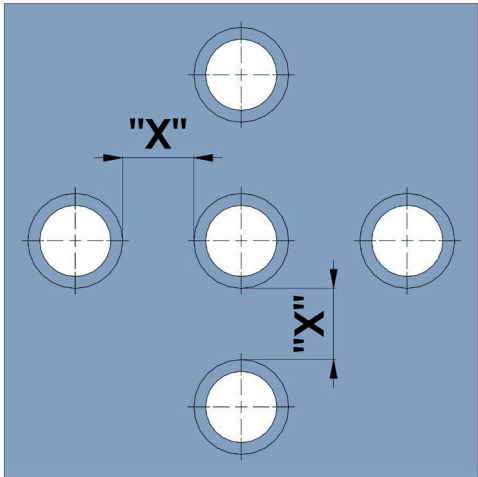
Right angle drive motors are available on request (extra at cost)



HSSFC3 - HSSFC24



HSSFC30 - HSSFC48



SPLIT FRAME TECHNICAL FEATURES

		HSSFC3	HSSFC6	HSSFC8	HSSFC12	HSSFC16	HSSFC18	HSSFC20	HSSFC24	HSSFC30	HSSFC36	HSSFC42	HSSFC48
Locking Range	inch o/d	1 - 3"	1 - 6"	2 - 8"	6 - 12"	10 - 16"	12 - 18"	14 - 20"	18 - 24"	24 - 30"	30 - 36"	36 - 42"	42 - 48"
Locking Range	mm o/d	33.4 - 88.9	33.4 - 168.3	60.3 - 219.1	168.3 - 323.9	273.1 - 406.4	323.9 - 457.2	355.6 - 508	457.2 - 609.6	609.6 - 762	762 - 914.4	914.4 - 1,066.8	1,066.8 - 1,219.2
Ring Only Weight	kg	12	23	32	46	53	58	62	76	183	204	242	323
Toolbox Stroke	mm / inch	30 / 1.18	60 / 2.36	60 / 2.36	90 / 3.54	90 / 3.54	90 / 3.54	90 / 3.54	90 / 3.54	90 / 3.54	90 / 3.54	90 / 3.54	90 / 3.54
Motor Mount Positions	qty	1	1	1	1	2	2	2	2	2	2	4	4
Striker Mount Positions	qty	1	1	1	2	3	3	3	3	3	4	4	5
Bearing size	S/L	S	S	S	S	S	S	S	S	L	L	L	L
Spline Drive Size	mm / inch	16 / 0.63	16 / 0.63	16 / 0.63	16 / 0.63	16 / 0.63	16 / 0.63	16 / 0.63	16 / 0.63	25 / 0.98	25 / 0.98	25 / 0.98	25 / 0.98
Pneumatic Idle Speed	rpm	5 - 44	5 - 36	5 - 28	5 - 21	5 - 18	5 - 17	5 - 16	5 - 15	1 - 8	1 - 8	1 - 7	1 - 6
Electric Idle Speed	rpm	5 - 40	5 - 20	5 - 16	5 - 12	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Servo Electric Idle Speed	rpm	n/a	1 - 45	1 - 36	1 - 27	1 - 23	1 - 21	1 - 19	1 - 18	1 - 9	1 - 9	1 - 8	1 - 7
Hydraulic Idle Speed	rpm	n/a	5 - 30	5 - 28	5 - 25	5 - 20	5 - 19	5 - 17	5 - 16	1 - 8	1 - 8	1 - 8	1 - 8
Pneumatic Motor Power	hp	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	3.5	3.5	3.5	3.5
Double Pneumatic Motor(s) Power	hp	n/a	n/a	n/a	n/a	3.7	3.7	3.7	3.7	7.0	7.0	7.0	7.0
Electric Motor Power	watt	1900	1900	1900	1900	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Single Servo Electric Motor Power	Kw	n/a	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Double Servo Electric Motor(s) Power	Kw	n/a	n/a	n/a	n/a	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Hydraulic Motor Power	hp	n/a	5.40	5.40	5.40	5.40	5.40	5.40	5.40	5.40	5.40	5.40	5.40
Electric / Servo Electric Voltage	volt	110 / 220	110 / 220	110 / 220	110 / 220	110 / 220	110 / 220	110 / 220	110 / 220	110 / 220	110 / 220	110 / 220	110 / 220
Electric / Servo Electric Voltage (3 phase)	volt	n/a	n/a	n/a	n/a	380-480	380-480	380-480	380-480	380-480	380-480	380-480	380-480
Electric / Servo Electric Frequency	Hz	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60
Air Working Pressure	psi / bar	90 / 6.5	90 / 6.5	90 / 6.5	90 / 6.5	90 / 6.5	90 / 6.5	90 / 6.5	90 / 6.5	90 / 6.5	90 / 6.5	90 / 6.5	90 / 6.5
Air hose Connection	inch	½	½	½	½	½	½	½	½	¾	¾	¾	¾
Air Consuming Flux (Double x2)	cfm/ LPM	50 / 1400									90 / 2500		
Feed Rate per Revolution	mm / inch	0.2 / 0.008									0.2 / 0.008		
Locking System		MODULAR									TELESCOPIC		

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

- All complete machines are supplied with: machine ring/body, motor, tool boxes, striker, locking jaws, machine box, service tools.
- A protective custom built metal box is supplied with HSSFC6 - HSSFC48, all larger sizes are supplied in a custom built wooden box. HSSFC3 is supplied in a plastic hard cover protective box.
- Drawings, instruction manual and warranty certificate are also supplied as standard.
- Pneumatic machine must be used with filter lubricator and oil - use without will void warranty.



SPLIT FRAME PACKING WEIGHTS AND DIMENSIONS

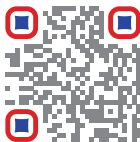
SPLIT FRAME MODEL	HSSFC3	HSSFC6	HSSFC8	HSSFC12	HSSFC16	HSSFC18	HSSFC20	HSSFC24	HSSFC30	HSSFC36	HSSFC42	HSSFC48
Pneumatic	48 kg / 106 lbs.	167 kg / 368 lbs.	177 kg / 390 lbs.	197 kg / 434 lbs.	238 kg / 525 lbs.	241 kg / 531 lbs.	249 kg / 549 lbs.	262 kg / 578 lbs.	300 kg / 661 lbs.	335 kg / 738 lbs.	375 kg / 826 lbs.	445 kg / 981 lbs.
Double Pneumatic	n/a	n/a	n/a	n/a	258 kg / 569 lbs.	261 kg / 575 lbs.	269 kg / 593 lbs.	282 kg / 622 lbs.	320 kg / 705 lbs.	355 kg / 782 lbs.	395 kg / 870 lbs.	465 kg / 1,002 lbs.
Single Servo Electric	n/a	182 kg / 401 lbs.	182 kg / 401 lbs.	212 kg / 467 lbs.	253 kg / 558 lbs.	256 kg / 564 lbs.	264 kg / 582 lbs.	277 kg / 611 lbs.	315 kg / 694 lbs.	345 kg / 760 lbs.	385 kg / 848 lbs.	455 kg / 1,003 lbs.
Double Servo Electric	n/a	n/a	n/a	n/a	283 kg / 624 lbs.	286 kg / 631 lbs.	289 kg / 637 lbs.	307 kg / 677 lbs.	345 kg / 760 lbs.	380 kg / 837 lbs.	420 kg / 926 lbs.	490 kg / 1,080 lbs.
Hydraulic	n/a	162 kg / 357 lbs.	172 kg / 379 lbs.	192 kg / 423 lbs.	233 kg / 514 lbs.	236 kg / 520 lbs.	244 kg / 538 lbs.	257 kg / 567 lbs.	290 kg / 639 lbs.	320 kg / 705 lbs.	365 kg / 805 lbs.	435 kg / 960 lbs.
Packing Dimensions	800 x 600 x 450 mm / 31.4 x 23.6 x 17.7"	1,200 x 900 x 470 / 47.2 x 35.4 x 18.5			1,450 x 1,000 x 510 mm / 57.1 x 39.4 x 20.1"				1,460 x 1,460 x 500 mm 57.5 x 57.5 x 19.7"		1,600 x 1,600 x 500 mm / 63 x 63 x 19.7"	1,960 x 1,960 x 500 mm / 77 x 77 x 19.7"

SPLIT FRAME CLAMSHELL COLD CUTTING AND BEVELING MACHINES

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



SCAN QR CODE
TO WATCH VIDEO





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

Larger sizes and customized machines available upon request

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

INTRODUCTION

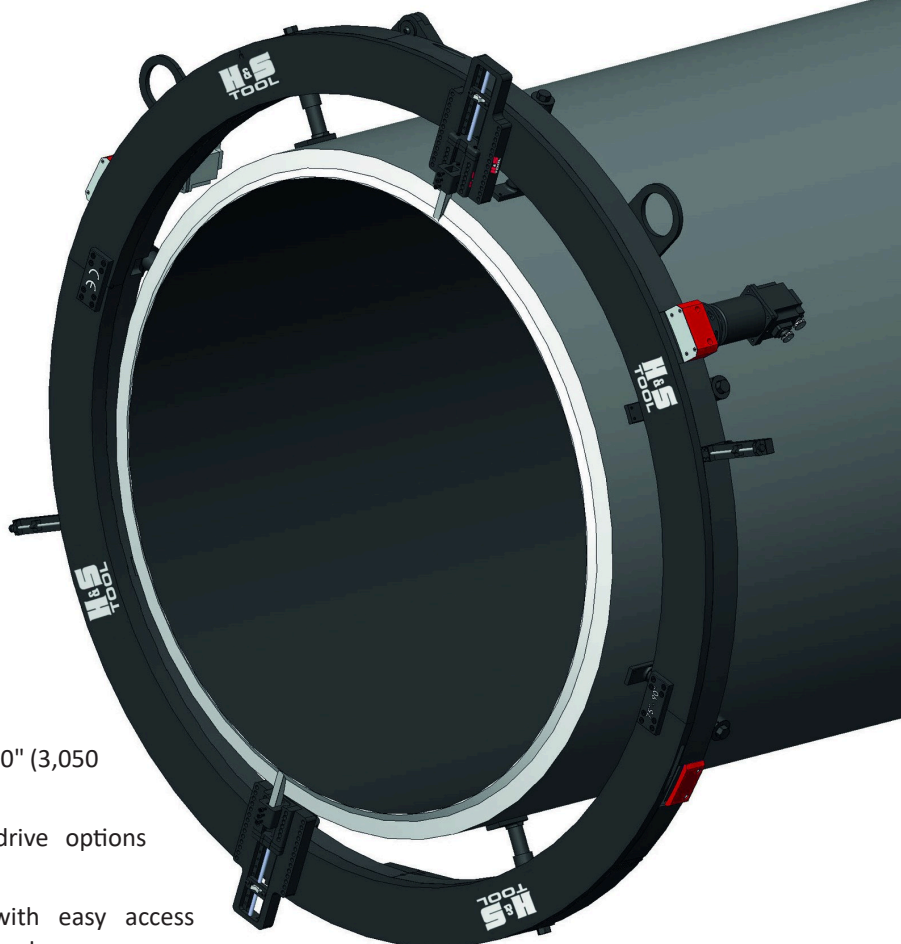
H&S's new split frame clamshells are essentially portable lathes.

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

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

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

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



FEATURES AND ADVANTAGES

- 5 models cover a range from 48" (1,220 mm) to 120" (3,050 mm) o/d
- Pneumatic, hydraulic and NC servo electric drive options provide increased versatility
- Adjustable heavy duty bearings, combined with easy access maintenance points allow inspection and adjustment
- Telescopic locking jaws are effortlessly individually adjusted and allow for quick and easy installation of the clamshell on the pipe. Feet feature easy read measure marks for rapid setup and adjustment.
- H&S split frame clamshells accept a wide range of accessories to increase performance and expand machine capabilities
- Unique H&S 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
HSSFC60	48 - 60"	1,220 - 1,524 mm	8
HSSFC75	60 - 75"	1,524 - 1,910 mm	8
HSSFC90	75 - 90"	1,910 - 2,290 mm	12
HSSFC105	90 - 105"	2,290 - 2,680 mm	12
HSSFC120	105 - 120"	2,680 - 3,050 mm	12

FEATURES



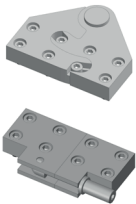
H&S advanced cam roller bearing system enables fine adjustment of bearings for optimal performance and maintenance delivering smooth precise rotation.



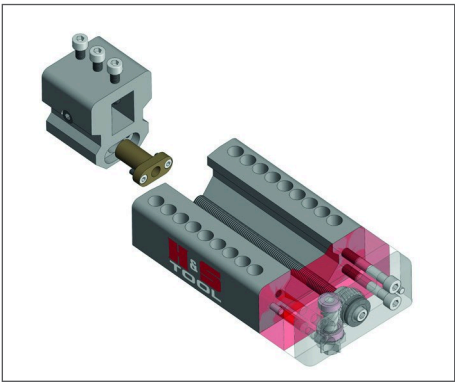
Using the latest high grade aluminium along with treated steel crown the H&S split frames are designed for heavy duty industrial on-site use.



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



Custom made wooden box to insure protection of the machine.



H&S 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.

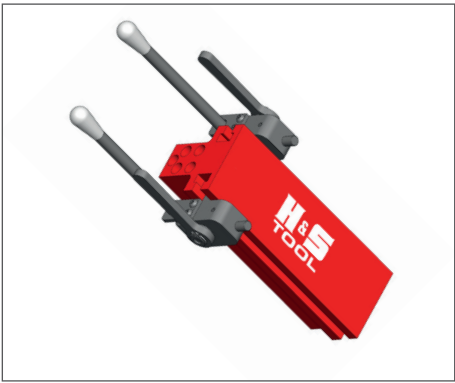


Two bolt motor mount enables fast mounting of motors. All power drives utilize the same drive block. All machines from 48 to 120" are equipped with two motor mounts. Front drive motor mount optionally available.



TELESCOPIC JAWS

Individual movable telescopic locking system externally mounted to keep aluminium ring solid for extra strength, increased clamping foot size 55 x 115 mm (2.16 x 4.53") for fast accurate setup.

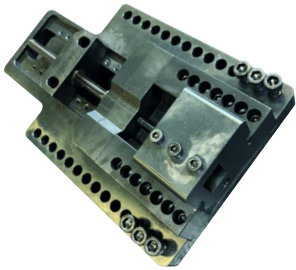


Double striker enables feeding of 0.2 mm (0.008") per revolution, also utilizing H&S extended engaging handle meaning hands free operation.

TOOL BOXES AND ACCESSORIES

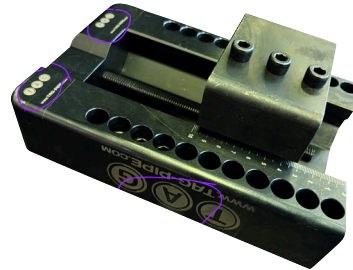
The tool boxes are available in various configurations to accept the full range of H&S tooling.

STANDARD TOOL BOX



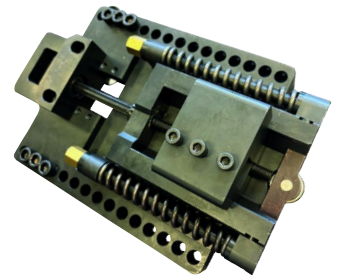
- Supplied as standard with complete machine
- **HSSFC60 - HSSFC120 (Part No HSSFTB9XXL)**
Cutting and beveling all materials up to 4.7" / 120 mm wall thickness

STANDARD LOW CLEARANCE TOOL BOX



- Available as accessory
- Low profile for tight access situations
- **HSSFC60 - HSSFC120 (Part No HSSFTB11XL)**
Cutting and beveling all materials up to 4.7" / 120 mm wall thickness

SPRING LOADED O/D TRACKING TOOL BOX



- Available as accessory
- Ensuring accurate weld prep and root face by mechanically tracking the o/d of the pipe (ideal for out of round and large diameters pipe)
- **HSSFC60 - HSSFC120 (Part No HSSFCSLTBXL)**
Cutting and beveling all materials up to 0.8" / 20 mm wall thickness

COUNTER BORE TOOL SLIDE

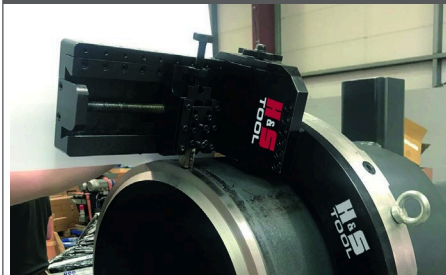


PART NO: HSSFCIT150MXL (TSFC60 - 120)
* PART NO: HSSFCIBE50

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

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

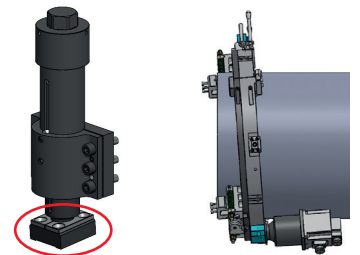
OUTSIDE BEVEL TOOL SLIDE



PART NO: HSSFOBTXL

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

SWIVEL LOCKING JAWS



PART NO: ON REQUEST
(HSSFC60 - 120)

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

H&S CLAMSHELL POWER OPTIONS & DRIVE UNITS

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

TSFC60 – TSFC120: IN-LINE MOTOR OPTIONS

DOUBLE SERVO ELECTRIC MOTOR

RECOMMENDED



PART NO: HSSFCDSEM2G25-220V
PART NO: HSSFCDSEM2G25-3P

PNEUMATIC MOTOR *



PART NO: HSSFCPMG25

HYDRAULIC MOTOR



PART NO: TSFCHMG25

*On HSSFC60 - HSSFC120 for double pneumatic motorization, the double pneumatic conversion connectors and hose (PART NO. TSFCDPCCS) must be used.

TSFC60 – TSFC120: ELBOW MOTOR OPTIONS

ELBOW SERVO ELECTRIC MOTOR

RECOMMENDED



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

ELBOW PNEUMATIC MOTOR *



PART NO: HSSFCEPMG25

*On HSSFC60 - HSSFC120 For double pneumatic motorization, the double pneumatic conversion connectors and hose (PART NO. TSFCDPCCS) must be used.

H&S’S ELECTRIC NC SERVO DRIVE MOTOR SYSTEM

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

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

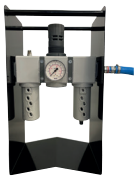
Double servo motor



PART NO: HSSFCDSEM2G25-220V
PART NO: HSSFCDSEM2G25-3P

AIR FILTER LUBRICATORS FOR PNEUMATIC MACHINES ONLY

Air filter lubricator



HSSFC30 - HSSFC120

PART NO: AFL2

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

New!

Air filter lubricator with emergency stop

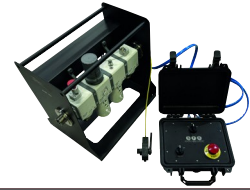


PART NO: DEFE-FRL5

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

New!

Air filter lubricator with emergency stop and automatic striker system



PART NO: DEFE-BOX-1

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

TOOLING

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

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

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



All shapes, sizes and angles available

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

MAGNATECH
AN H&S GROUP BRAND

FIXED ANGLE BEVEL



COMPOUND BEVEL

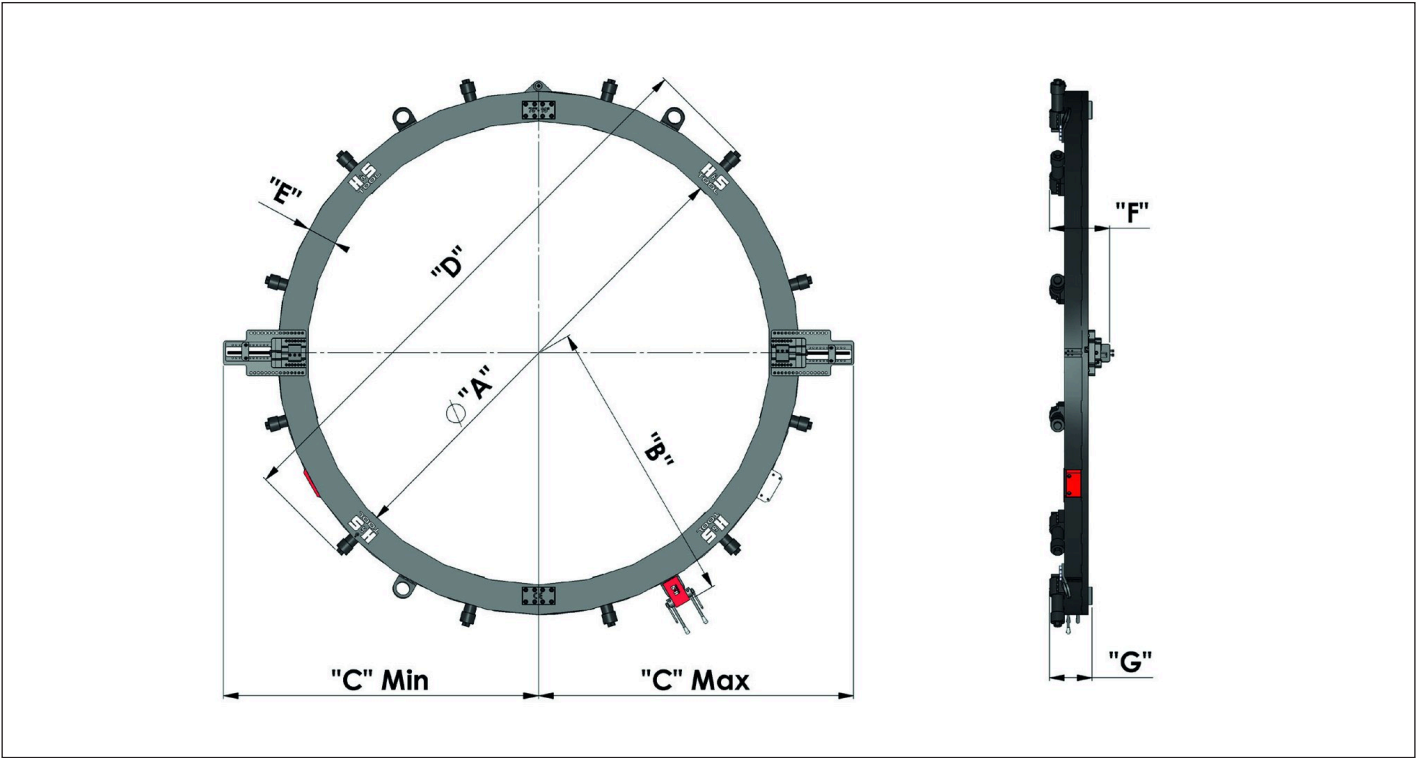


J PREP

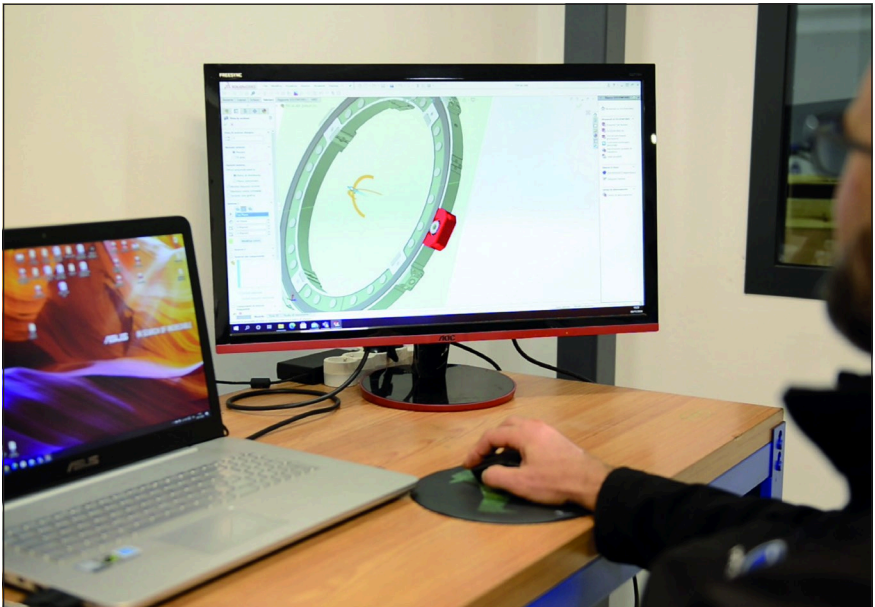
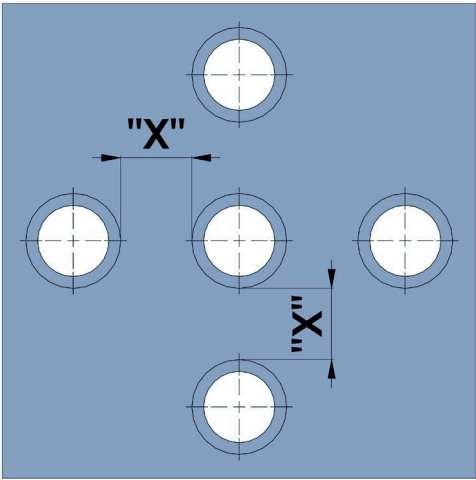


RING DIMENSIONS

		HSSCF60	HSSCF75	HSSCF90	HSSCF105	HSSCF120
O/D RANGE	inch	48 - 60"	60 - 75"	75 - 90"	90 - 105"	105 - 120"
A	mm / inch	1550.0 / 61.02	1948 / 76.69	2329.0 / 91.69	2714.0 / 106.85	3100 / 122.05
B	mm / inch	1034.5 / 40.73	1261 / 49.65	1451.5 / 57.15	1657.5 / 65.26	1850 / 72.83
C MIN	mm / inch	1100.0 / 43.31	1217 / 47.91	1392.0 / 54.80	1579.0 / 62.17	1772 / 69.76
C MAX	mm / inch	1158.0 / 45.59	1392 / 54.80	1584.0 / 62.36	1776.0 / 69.92	1969 / 77.52
D	mm / inch	2019.0 / 79.49	2428 / 95.59	2809.0 / 110.59	3149.0 / 123.98	3535 / 139.17
E	mm / inch	122.5 / 4.82	150 / 5.91	150.0 / 5.91	150.0 / 5.91	150 / 5.91
F	mm / inch	285.0 / 11.22	303 / 11.93	303.0 / 11.93	303.0 / 11.93	303 / 11.93
G	mm / inch	199.0 / 7.83	207 / 8.15	207.0 / 8.15	222.0 / 8.74	222 / 8.74



HSSFC60 - HSSFC120



SPLIT FRAME TECHNICAL FEATURES

		HSSFC60	HSSFC75	HSSFC90	HSSFC105	HSSFC120
Locking Range	inch o/d	48 - 60"	60 - 75"	75 - 90"	90 - 105"	105 - 120"
Locking Range	mm o/d	1,220 / 1,524	1,524 / 1,910	1,910 / 2,290	2,290 / 2,680	2,680 / 3,050
Ring Only Weight	kg	816	1255	1550	1810	2100
Toolbox Stroke	mm / inch	210 / 8.27	210 / 8.27	210 / 8.27	210 / 8.27	210 / 8.27
Motor Mount Positions	qty	4	2	2	2	2
Striker Mount Positions	qty	3	4	4	4	4
Bearing size	S/L	L	L	L	L	L
Spline Drive Size	mm / inch	25 / 0.98	25 / 0.98	25 / 0.98	25 / 0.98	25 / 0.98
Pneumatic Idle Speed	rpm	1 - 5	1 - 4	1 - 4	1 - 3	1 - 2
Electric Idle Speed	rpm	n/a	n/a	n/a	n/a	n/a
Servo Electric Idle Speed	rpm	1 - 6	1 - 5	1 - 5	1 - 4	1 - 3
Hydraulic Idle Speed	rpm	1 - 7	1 - 6	1 - 6	1 - 5	1 - 4
Pneumatic Motor Power	hp	3.5	3.5	3.5	3.5	3.5
Double Pneumatic Motor(s) Power	hp	7	7	7	7	7
Electric Motor Power	watt	n/a	n/a	n/a	n/a	n/a
Single Servo Electric Motor Power	Kw	1.5	1.5	1.5	1.5	1.5
Double Servo Electric Motor(s) Power	Kw	3	3	3	3	3
Hydraulic Motor Power	hp	5.4	5.4	5.4	5.4	5.4
Electric / Servo Electric Voltage	volt	110 / 220	110 / 220	110 / 220	110 / 220	110 / 220
3 Phase Servo Electric Voltage	volt	380 - 480	380 - 480	380 - 480	380 - 480	380 - 480
Electric / Servo Electric Frequency	Hz	50 / 60	50 / 60	50 / 60	50/ / 60	50 / 60
Air Working Pressure	psi / bar	90 / 6.5	90 / 6.5	90 / 6.5	90 / 6.5	90 / 6.5
Air hose Connection	inch	¾	¾	¾	¾	¾
Air Consuming Flux (Double x2)	Cfm / LPM	90 / 2500	90 / 2500	90 / 2500	90 / 2500	90 / 2500
Feed Rate per Revolution	mm / inch	0.2 / 0.008	0.2 / 0.008	0.2 / 0.008	0.2 / 0.0008	0.2 / 0.008
Locking System		TELESCOPIC				
Our group policy is one of continuous improvement. Products and data tables are subject to change or vary from those illustrated.						

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

SPLIT FRAME PACKING WEIGHTS

		HSSFC60	HSSFC75	HSSFC90	HSSFC105	HSSFC120
Ring weight	kg / lbs	816.0 / 1798.97	1255.0 / 2766.80	1550.0 / 3417.16	1810.0 / 3990.36	2100.0 / 4629.70
Tool box weight (pair)	kg / lbs	60.0 / 132.28	60.0 / 132.28	60.0 / 132.28	60.0 / 132.28	60.0 / 132.28
Double striker	kg / lbs	3.5 / 7.72	3.5 / 7.72	3.5 / 7.72	3.5 / 7.72	3.5 / 7.72
Pneumatic motor	kg / lbs	13.55 / 29.87	13.55 / 29.87	13.55 / 29.87	13.55 / 29.87	13.55 / 29.87
Servo motor & gearbox	kg / lbs	22.5 / 49.60	22.5 / 49.60	22.5 / 49.60	22.5 / 49.60	22.5 / 49.60
Single NC control box 1 motor drive & cables	kg / lbs	33.55 / 73.97	33.55 / 73.97	33.55 / 73.97	33.55 / 73.97	33.55 / 73.97
Double NC control box 2 motor drive & cables	kg / lbs	65.75 / 144.95	65.75 / 144.95	65.75 / 144.95	65.75 / 144.95	65.75 / 144.95
Hydraulic motor	kg / lbs	9.95 / 21.94	9.95 / 21.94	9.95 / 21.94	9.95 / 21.94	9.95 / 21.94
Hand tools + shimms	kg / lbs	4.2 / 9.26	4.2 / 9.26	4.2 / 9.26	4.2 / 9.26	4.2 / 9.26
Filter lubricator & hose	kg / lbs	6.7 / 14.77	6.7 / 14.77	6.7 / 14.77	6.7 / 14.77	6.7 / 14.77

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

FEATURES

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

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

User-controlled CNC system:

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



This set up is composed of :

- a Splitframe Clamshell Ring Only (Part No. HSSFCXXR*)
- a CNC Crossbar (Part No. HSCNCCBXX*)
- a Controller Kit (Part no. HSCNCCDE16-3P/HSCNCCDE25-3P)



- CNC Crossbar compatible with HSSFC20 - HSSFC75 (Part No HSCNCCBXX*)

* XX: size of HSSFC.

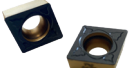
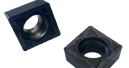


- This kit includes: servo motor, cables, wired remote control pad with 7" touchscreen and electrical cabinet
- HSSFC20 and HSSFC24 (Part no. HSCNCCDE16-3P)
- HSSFC30 up to HSSFC75 (Part no. HSCNCCDE25-3P)

PART NO	DESCRIPTION	WORKING RANGE i/d min to o/d max	SPLITFRAME PART NO.	RANGE mm/inch (o/d)	Controller kit PART NO.
HSCNCCB20	H&S CNC Controlled Cross Bar for HSSFC20	168 - 470 mm / 6.6 - 18.5"	HSSFC20R	355,6 - 508 mm / 14 - 20"	HSCNCCDE16-3P
HSCNCCB24	H&S CNC Controlled Cross Bar for HSSFC24	273 - 590 mm / 10.7 - 23.2"	HSSFC24R	457.2 - 609.6 mm / 18 - 24"	
HSCNCCB30	H&S CNC Controlled Cross Bar for HSSFC30	457 - 780 mm / 18 - 30.7"	HSSFC30R	609.6 - 762 mm / 24 - 30"	HSCNCCDE25-3P
HSCNCCB36	H&S CNC Controlled Cross Bar for HSSFC36	610 - 925 mm / 24 - 36.4"	HSSFC36R	762 - 914.4 mm / 30 - 36"	
HSCNCCB42	H&S CNC Controlled Cross Bar for HSSFC42	762 - 1,080 mm / 30 - 42.5"	HSSFC42R	914.4 - 1,067 mm / 36 - 42"	
HSCNCCB48	H&S CNC Controlled Cross Bar for HSSFC48	914 - 1,240 mm / 36 - 48.8"	HSSFC48R	1,067 - 1,219 mm / 42 - 48"	
HSCNCCB60	H&S CNC Controlled Cross Bar for HSSFC60	1,219 - 1,535 mm / 48 - 60.4"	HSSFC60R	1,220 - 1,524 mm / 48 - 60"	
HSCNCCB75	H&S CNC Controlled Cross Bar for HSSFC75	1,600 - 1,930 mm / 63 - 76"	HSSFC75R	1,524 - 1,910 mm / 60 - 75"	

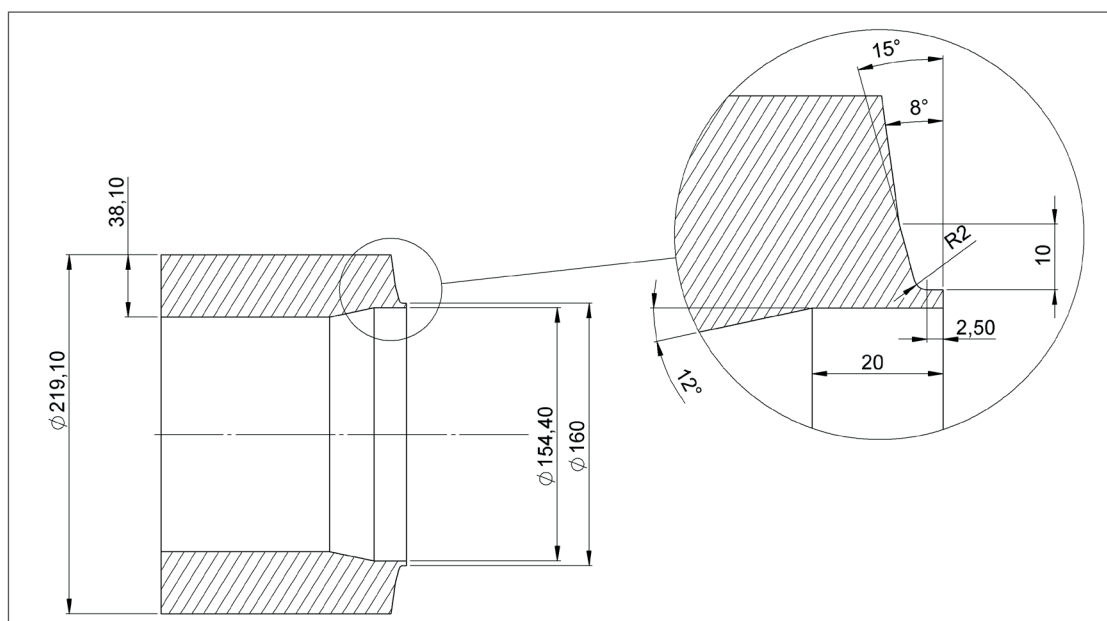
TOOLING

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

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

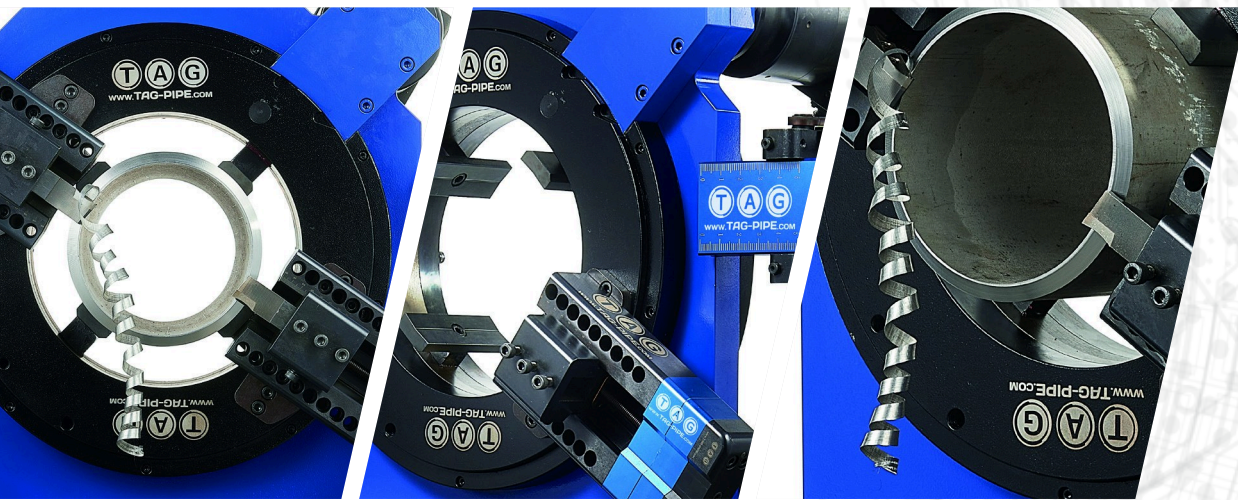
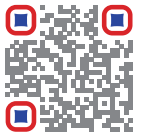
APPLICATION EXAMPLE

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



E-Z FAB PIPE CUTTING AND BEVELING MACHINES

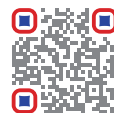
2 - 16" o/d / 60 - 420 mm o/d



SCAN QR CODE
TO WATCH VIDEO



PIPE EQUIPMENT SPECIALISTS



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

THE BASICS

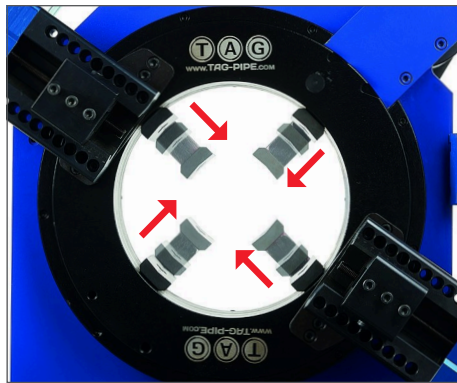
The E-Z FAB is a revolutionary new cutting and beveling system for pipes. Ideally suited, but not limited to workshops, and high productivity process environments.

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



FEATURES AND ADVANTAGES

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



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



Built in coolant pump unit with drip tray as standard

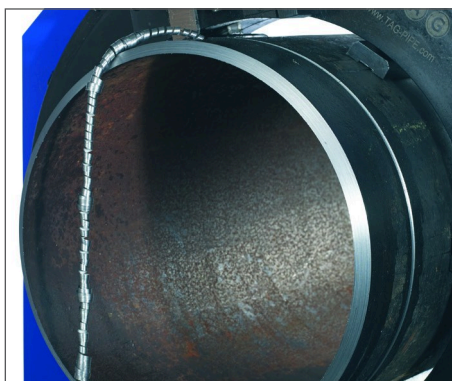


Sealed electrical box housing all NC controls and cabling

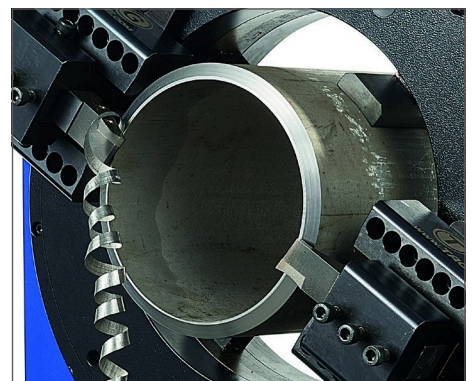
All shapes, sizes and angles available



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



Pipe cutting



Pipe beveling

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

MAGNATECH
AN OTC GROUP BRAND

TOUCH SCREEN

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

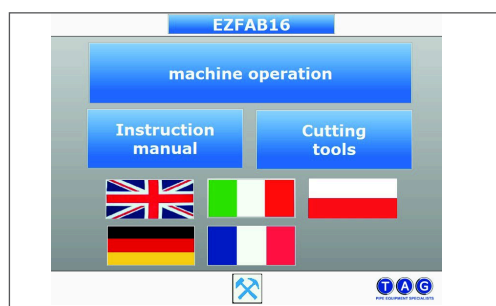
The numerically controlled (NC) servo motor offers unrivalled power and cut speeds, from a touch screen Delta control system, conveniently mounted on an adjustable stalk-arm for operating ease.

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

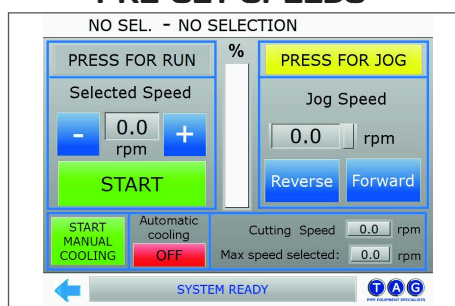
The automatic option offers pre-set cut rotation speeds for pipes within each machines' range, whilst the manual option allows the operator to adjust the speed of the machine themselves.

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

MACHINE OPERATION



RECOMMENDED PRE-SET SPEEDS



MODELS AVAILABLE

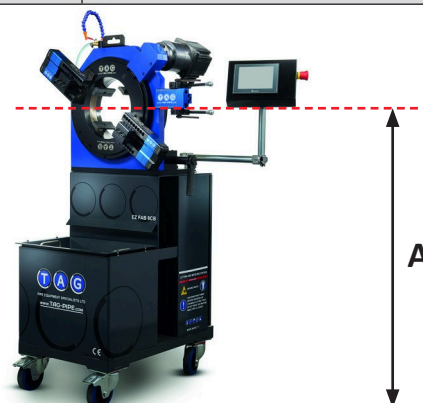
MODEL		RANGE O/D (INCH)	RANGE O/D (MM)	WALL THICKNESS (MM / INCH)	PACKED DIMENSIONS	PACKED WEIGHT
EZFAB8SE110	EZFAB8SE220	2 - 8"	60 - 220 mm	6 - 40 mm / 0.23 - 1.57"	1,730 x 810 x 670 mm 67 x 32 x 27"	295 kg / 650 lbs
EZFAB12SE110	EZFAB12SE220	6 - 12"	170 - 320 mm	6 - 40 mm / 0.23 - 1.57"	1,940 x 810 x 900 mm 77 x 32 x 36"	335 kg / 738 lbs
EZFAB16SE110	EZFAB16SE220	10 - 16"	270 - 420 mm	6 - 40 mm / 0.23 - 1.57"	1,940 x 810 x 900 mm 77 x 32 x 36"	350 kg / 771 lbs
110v	220v	* Wall thicknesses less than or greater than the above can be achieved with accessories - please contact us				

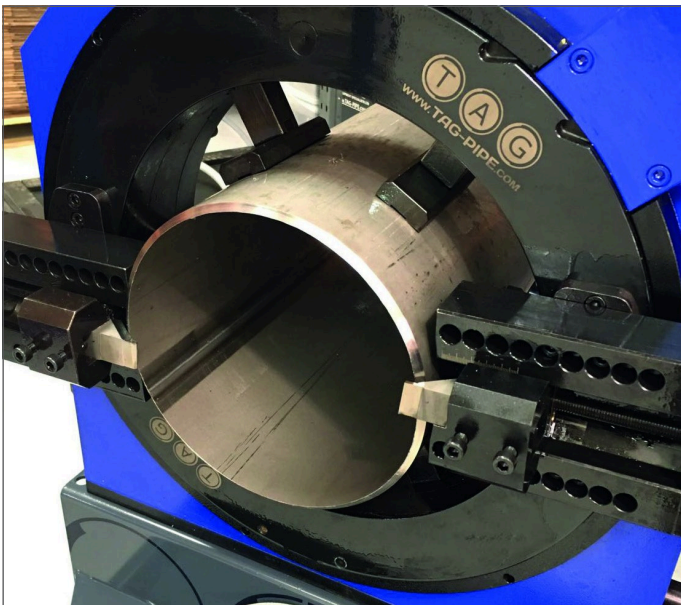
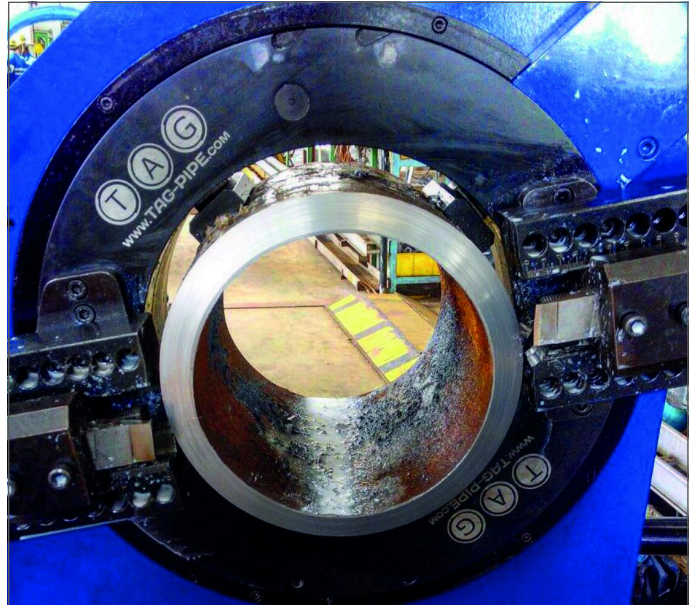
EXAMPLE CUTTING AND Beveling TIMES

PIPE SIZE	PIPE SHD	WALL THICKNESS (MM / INCH)	PIPE MATERIAL	PRE-SET SPEED	CUTTING AND Beveling TIME
2 inch	SHD40	4 mm / 0.16"	Stainless Steel	45 rpm	2 minutes
4 inch	SHD40	4 mm / 0.16"	Stainless Steel	30 rpm	2.5 minutes
6 inch	SHDXXS	22 mm / 0.87"	Carbon	35 rpm	5 minutes
8 inch	SHD40	8 mm / 0.31"	Stainless Steel	20 rpm	9 minutes

CENTRELINE OF CUTTING POINT

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





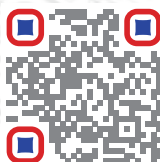


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PPM
PIPE PUMP SOLUTIONS

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SUMNER
MATERIAL LIFTS

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