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



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

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

FEATURES AND ADVANTAGES

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

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

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

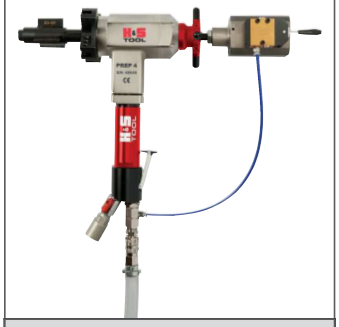








POWER OPTIONS

PNEUMATIC	ELECTRIC	BATTERY	PNEUMATIC ALD
			
PART NO. HSP4P	PART NO. HSP4E110 PART NO. HSP4E220	PART NO. HSP4B110 PART NO. HSP4B220	PART NO. HSP4PALD

ACCESSORIES AND OPTIONS

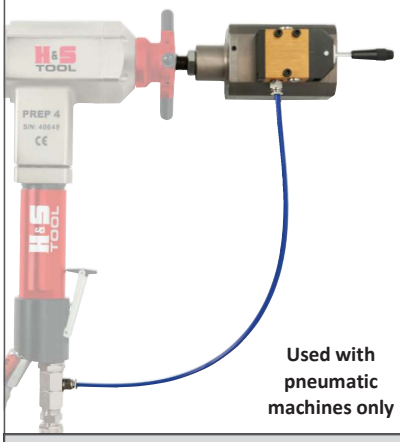
ELBOW / FITTINGS SHAFT

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

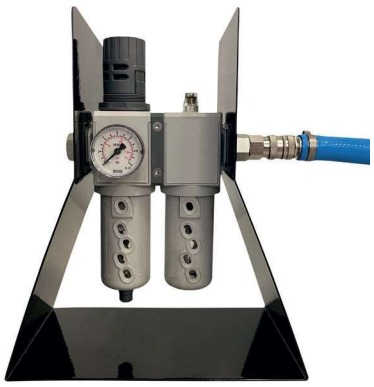


RATCHET HANDLES



PART NO. HSP4RHKV2

FEED LUBRICATOR



PART NO. AFL1



PREP 4 TECHNICAL FEATURES

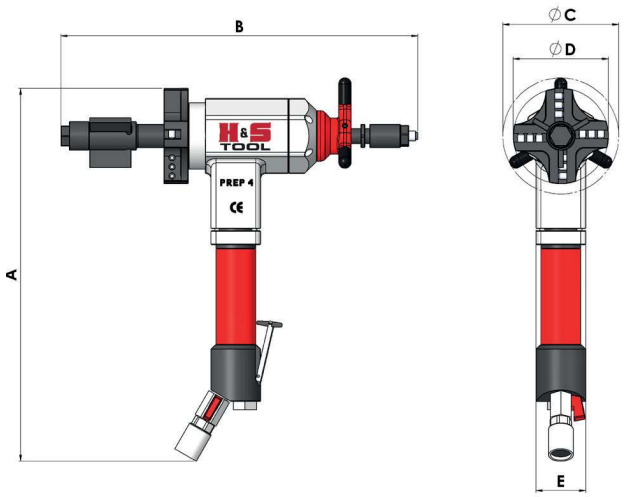
DESCRIPTION	MEASUREMENT	PNEUMATIC	ELECTRIC	BATTERY
Part Number	n/a	HSP4P / HSP4PALD	HSP4E110 / HSP4E220	HSP4B110 / HSP4B220
Locking tube range	mm (i/d)	23 - 112 mm	23 - 112 mm	23 - 112 mm
Locking tube range	inch (i/d)	1.1 - 4.40"	1.1 - 4.40"	1.1 - 4.40"
Idle speed	rpm	5 - 100	5 - 82	23 / 37 / 50
Torque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

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



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

DIMENSIONS



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

EXAMPLES OF COMMON CUTTING TOOLS

FORMED TOOLS



Bevel



Facing

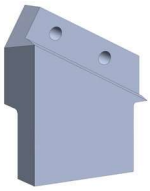


Internal

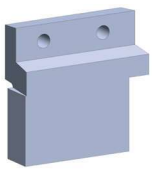


J-weld removal

HOLDER / INSERT



Bevel



Facing



One insert fits ALL holders

All shapes, sizes and angles available

www.HSTOOL.com