Daonte
Tecnología Metalmecánica

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



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

FEATURES AND ADVANTAGES

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

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

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

POWER OPTIONS

SERVO ELECTRIC

RECOMMENDED



PATENT PENDING

PART NO. HSP16SE110
PART NO. HSP16SE220

PNEUMATIC



PART NO. HSP16P

HYDRAULIC



PART NO. HSP16H



SERVO ELECTRIC

RECOMMENDED



PATENT PENDING

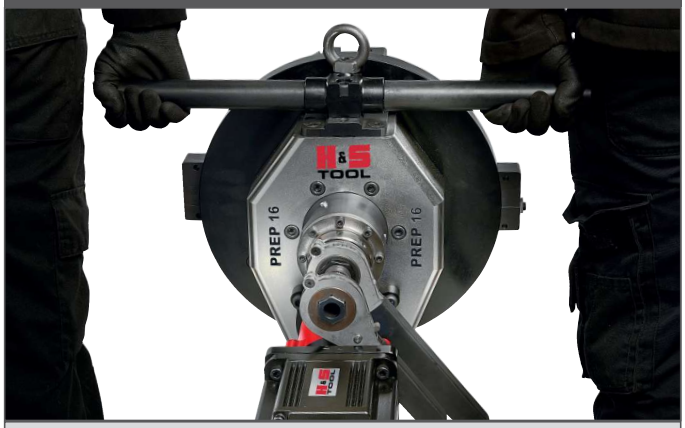
Servo Electric control box makes the strongest portable pipe bevelling machine available on the market.

UNRIVALLED POWER AND STABILITY



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

LIFTING HANDLES



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

PIPE STAND ATTACHMENT





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

RATCHET FEED AND LOCKING



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

SELF-CENTERING & SIX POINT LOCKING



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

PREP 16 TECHNICAL FEATURES

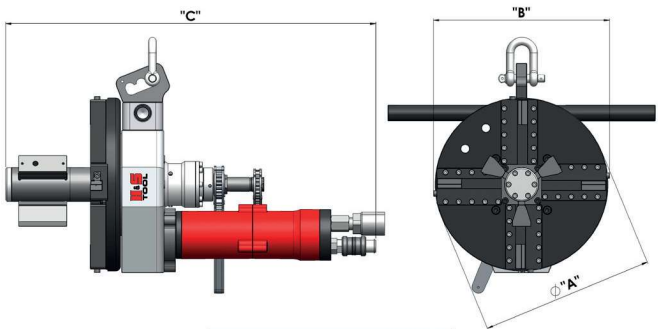
DESCRIPTION	MEASUREMENT	PNEUMATIC	SERVO ELECTRIC	HYDRAULIC
Part Number	n/a	HSP16P	HSP16SE110 / HSP16SE220	HSP16H
Locking tube range	mm / inch (i/d)	72 - 400 / 2.8 - 15.75"	72 - 400 / 2.8 - 15.75"	72 - 400 / 2.8 - 15.75"
Working range	mm / inch (o/d)	72 - 406 / 3 - 16"	72 - 406 / 3 - 16"	72 - 406 / 3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

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

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



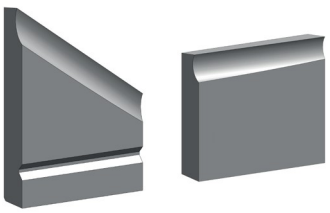
DIMENSIONS



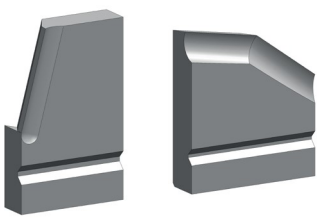
DIM	PNEUMATIC	SERVO ELECTRIC	HYDRAULIC
ØA	323 mm	323 mm	323 mm
B	407 mm	407 mm	407 mm
C	750 mm	630 mm	530 mm

EXAMPLES OF COMMON CUTTING TOOLS

FORMED TOOLS

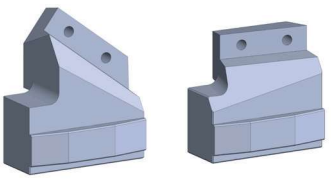


Bevel Facing

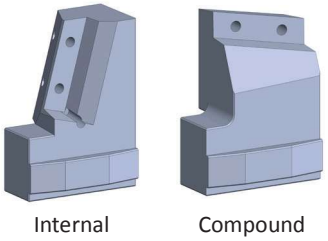


Internal Compound

HOLDER / INSERT (Recommended)



Bevel Facing



Internal Compound

All shapes, sizes and angles available



One insert fits ALL holders

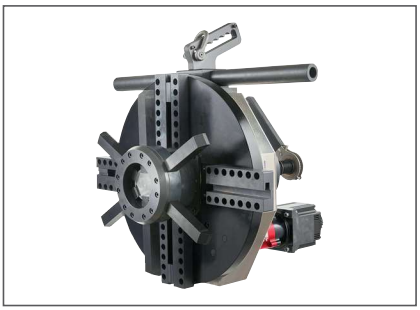
www.HSTOOL.com

PREP 16 AND PREP 24 ELBOW / FITTING PIPE BEVELLING MACHINE

Portable Elbow and Fititng Machine

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



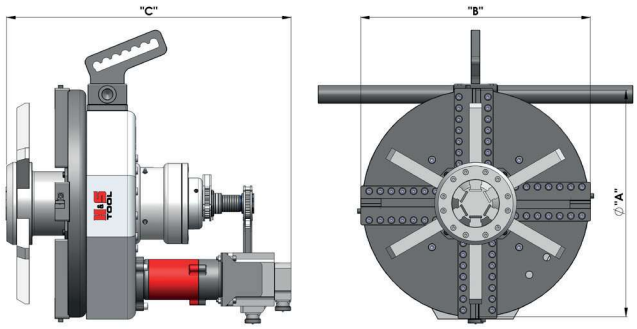




PREP 16 AND PREP 24 ELBOW / FITTINGS TECHNICAL FEATURES

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

DIMENSIONS PREP 16 / 24 ELBOW / FITTINGS



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

EXAMPLES OF FITTINGS

