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Specification

Drive Options: Pneumatic, Hydraulic, and Electric Air requirement: 1500L-3000L Per minute @0.6/0.7Mpa (55-110CFM,90PSI)

Hydraulic requirement: 2-32L per minute @6-12.5Mpa Electric requirement:220-240V 1PH 50/60HZ

Feed mode: Star wheel, automatically Feed rate: Fixed@0.083mm per circle

Air Type P Series

Air Motor Specification: Rotation Speed: 226 RPM

Torque: 117 Nm Power: 3.77 HP

Tested by Atlas Copco device @0.6Mpa

compressed air

Advantage

Explosion Proof Stable Performance

Simple structure makes easy to maintenance

Electric Type E Series

Electric Motor Specification: METABO Motor Model: W24-230MVT 230V- 50/60HZ 2400W 10,0A N 6600/Min (rpm)

Made in Germany

Hydraulic Type H Series

Power Supply: 380-440V 3PH 50/60HZ 2-32L per minute @6-12.5Mpa

Advantage

Powerful drive, High efficiency Stable Performance Low noise Adjustable speed

Ideal for heavy wall thickness & large size pipe

Demo Video













Accessories

Standard Tool Slide

Part No. BZDB14001

Clamshell c/w the standard tool slide as standard supply With standard tool bits, achieve cut/bevel upto 30mm wall

thickness in one pass Max. Travel:75mm

Application: Size 0206-2430

Part No. BZDB14002

Max Travel:100mm

Application: Size 2632-4248

Heavy Wall Tool Slide

Part No. HDB14001

Special for heavy walled pipe, especially for power plant With special tool bits, cut/bevel wall thickness have no limited in multi passes

Max Travel:75mm

Application: Size 0206-2430

Part No. HDB14002

Max Travel:100mm

Application: Size 2632-4248

Tracking Tool Slide

Part No. ZZDB19002

O.D. tracking slide compensate for out-of-round pipe Travel along the O.D makes the bevel face balanced Usually apply on large size diameter pipe Max. travel:55mm

Application: Size 0206-4248

FLR Unit

Filter / Regulator / Lubricator (FRL)

With 2*2M 3/4" air hoses Part No.: FL20, SMC brand Part No.: FL30, AirTAC brand













OD-Mounted Pipe Cutting and Beveling Machine



The series machine is ideal for all types of pipe cutting, beveling and end preparation. The split frame design allows the machine to split in half at the frame and mount around the OD of the in-line pipe or fittings for strong, stable clamping. The equipment performs precision in-line cut or simultaneous cut/bevel, single cut/bevel, single point, counterbore and flange facing operations, as well as weld end preparation on open ended pipe, ranging from 3/4 to 60 inches O.D.(DN20-1500), on most wall thicknesses and material.

Steel Body

Both Rotary ring and Stationary ring made by steel.

This is the traditional China material. A little heavier for on-site machine.

But rigidity is very good, idea for heavy walled pipe.



Aluminum Body

This is our new machine, stationary ring made by aluminum. Steel where strength is needed, aluminum where strength is less critical than weight.

Lightweight makes more convenient for operator.

Features

Split frame

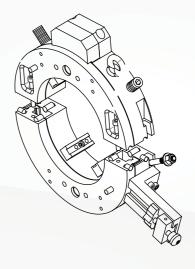
Machine quickly spilt to mount around outside diameter of in-line pipe

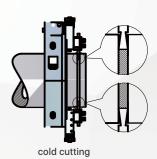
Cut or Cut/Bevel simultaneously

Cuts and bevels simultaneously leaving a clean precision prep ready for welding

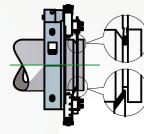
Cold cut/Bevel

Hot torch cutting requires grinding and produces an undesirable heat affected zone Cold cutting/beveling improve safety





Low Axial & Radial Clearance
Tool feed automatically
Cut and bevel pipe of any wall thickness.
Materials include: Carbon steel, alloy, stainless steel, duplex etc.
Pneumatic, electric and hydraulic type for option
Machining OD of pipe from 3/8" upto 60"



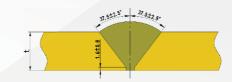
cutting and beveling simultaneously

Typical Buttwelding Joint

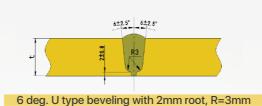
Different welding requirement and welding technology always required different welding seam.

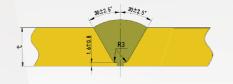
Mostly comply with ASME B16.[1].25, but some special demand.

Better to advise us before you place the order.

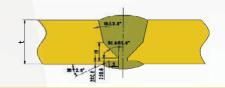


37.5 deg. V type beveling with 1.6mm root





30 deg. U type beveling with 1.6mm root, R=3mm



Compound beveling according to ASME B16.[1].25

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Selection Guide

19 sizes machine for option.

Consult us for special size.

For narrow working condition, pay attention to the axial and radial clearance.

Model Size	Working	Wall		
Model Size	In ch	mm	Thickness	
0206	2 - 6	50-168	≤ 30	
0208	2 - 8	50-230	≤ 30	
0410	4 - 10	114 -275	≤ 30	
0612	6 - 12	168 - 325	≤ 30	
0814	8 - 14	219 -377	≤ 30	
1016	10 - 16	273 - 426	≤ 30	
1218	12 - 18	300-457	≤ 30	
1420	14 - 20	355-508	≤ 30	
1622	16 - 22	400-560	≤ 30	
1824	18 - 24	457-610	≤ 30	
2026	20 - 26	508-660	≤ 30	
2228	22 - 28	550-715	≤ 30	
2430	24 - 30	600-762	≤ 30	
2632	26 - 32	660-813	≤ 30	
3036	30 - 36	762 - 914	≤ 30	
3642	36 - 42	914 - 1066	≤ 30	
4248	42 - 48	1066 -1230	≤ 30	
4856	48 - 56	1219 -1422	≤ 30	
5460	54 - 60	1371 -1524	≤ 30	

- * Standard tool slide for cut/bevel up to 30mm
- * Consult us for heavy wall pipe cut/bevel

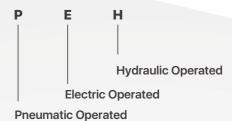
Steel Body Series

PEH **Hydraulic Operated Electric Operated Pneumatic Operated**

Example:

P0206: Steel body, 2"-6" Pneumatic machine

Aluminium Body Series



Example:

H1824A: Alu. body, 18"-24" Hydraulic machine

* Consult us for large size split frame

Order Guide

Before you place order to us, please let us know the following information:

Choose the right size

Advise us the driven options: Pneumatic, Electric or Hydraulic

Advise us steel body or aluminum body prefers

Confirm the beveling angel required

Confirm the welding joint required (U, V, Double V or Compound preparation)

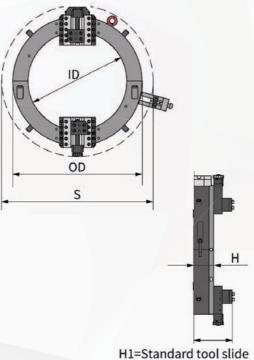
Advise your pipe material (Carbon steel, stainless steel or others)

Other special demands about machine

The spare parts needed

If the pipe wall thickness more than 30mm, inform us in advance (Important)

Axial & Radial Clearance



H1=Standard tool slide H2=Heavy wall tool slide

OD H1=Standard tool slide H2=Heavy wall tool slide

Steel body

Model Size	Dimensions (mm)					Tool	Clamp	
	ID	OD	Ι	S	H1	H2	Slide	Pads
0206	185	311	75	512	162	194	3"	4
0208	236	361	75	564	162	194	3"	4
0410	283	410	75	612	162	194	3"	4
0612	334	462	75	665	162	194	3"	4
0814	386	518	75	719	162	194	3"	4
1016	438	573	75	776	162	194	3"	4
1218	469	605	75	807	162	194	3"	4
1420	519	661	83	862	170	202	3"	4
1622	570	714	88	910	175	207	3"	4
1824	618	763	88	960	175	207	3"	4
2026	670	822	88	1020	175	207	3"	4
2228	719	879	88	1084	175	207	3"	4
2430	770	935	88	1134	175	207	3"	4
2632	830	992	88	1194	175	207	4"	4
3036	924	1094	95	1296	182	214	4"	8
3642	1077	1280	104	1468	191	223	4"	8
4248	1248	1460	113	1646	200	232	4"	8

Aluminum Body

Model Size	Dimensions (mm)						Tool	Clamp
IVIOUEI SIZE	ID	OD	Η	S	H1	H2	Slide	Pads
0206	185	311	89	512	176	208	3"	4
0208	236	361	89	564	176	208	3"	4
0410	283	410	89	612	176	208	3"	4
0612	334	462	89	665	176	208	3"	4
0814	386	518	89	719	176	208	3"	4
1016	438	573	89	776	176	208	3"	4
1218	469	605	89	807	176	208	3"	4
1420	519	661	93	862	180	212	3"	4
1622	570	714	93	910	180	212	3"	4
1824	618	763	93	960	180	212	3"	4
2026	670	822	93	1020	180	212	3"	4
2228	719	879	93	1084	180	212	3"	4
2430	770	935	93	1134	180	212	3"	4
2632	830	992	95	1194	182	214	4"	4
3036	924	1094	102	1296	189	221	4"	8
3642	1077	1280	104	1468	191	223	4"	8
4248	1248	1460	111	1646	198	230	4"	8

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Counter Boring Tool Slide

Part No.: TKDB14001

Tool Feed: Manually

Performs inside beveling and counter boring

Max. Travel: 70mm

Counter Boring Tool Slide

Part No.: TKDB19002

Tool Feed: Manually
Performs inside beveling and counter boring
With the function of angle setting
Max. Travel: 100mm

Hydraulic Motor & Gear box

Part No.: HD00118 Application: Size 0206-1218
Part No.: HD00132 Application: Size 1420-2632
Part No.: HD00148 Application: Size 3036-4248

New improvement



Middle locking of rotation ring
Previous the locking screw at the side

The improved new ones, the locking screw in the middle, this make the locking more symmetry and stable.

And the space for loosing screw is bigger than before, when split the ring, more convenient.







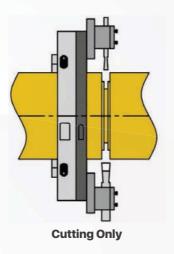


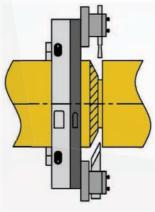
Uncovered locking screw of stationary ring

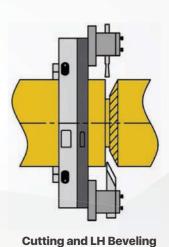
It's difficult to assemble the split frame on the pipeline when 2 locking screws at the side.

The new uncovered design makes the installation easy and user friendly, especially when install the split frame on pipeline.

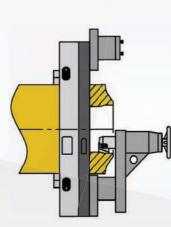
Schematic View



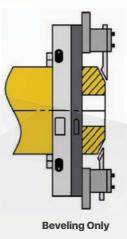




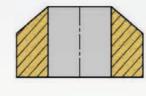
Cutting and RH Beveling



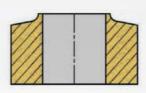




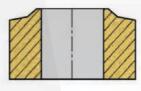
Inner beveling and boring



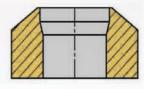
V groove



J groove



Compound groove



Counter Boring