

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

YouTube 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



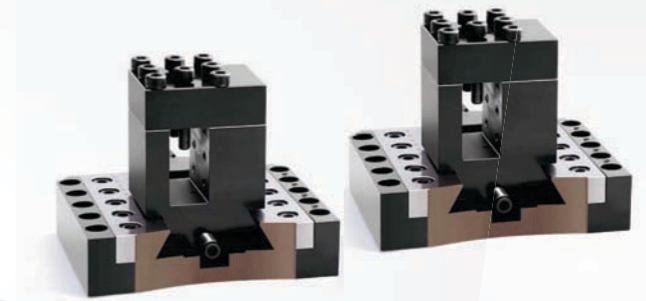
Heavy Wall Tool Slide

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 split 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

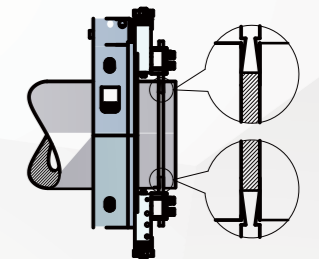
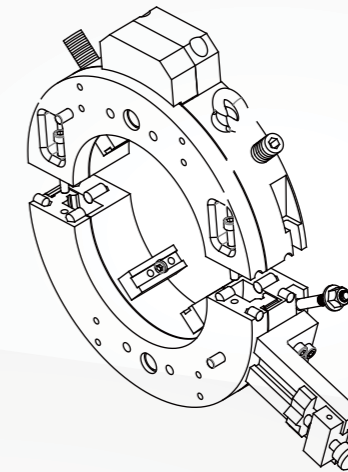
Tool feed automatically

Cut and bevel pipe of any wall thickness.

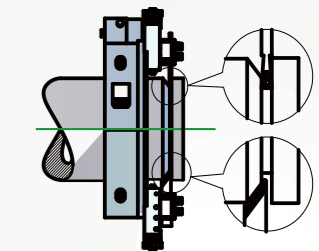
Materials include: Carbon steel, alloy, stainless steel, duplex etc.

Pneumatic, electric and hydraulic type for option

Machining OD of pipe from 3/8" upto 60"



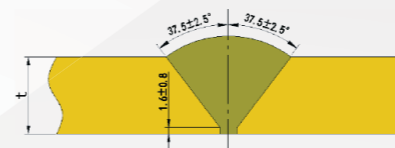
cold cutting



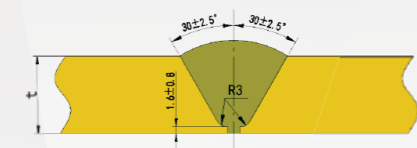
cutting and beveling simultaneously

Typical Buttwelding Joint

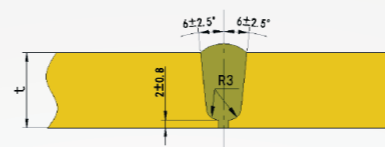
Different welding requirement and welding technology always required different welding seam. Mostly comply with ASME B16.[1].25, but some special demand. Better to advise us before you place the order.



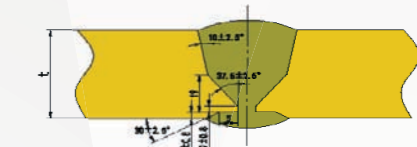
37.5 deg. V type beveling with 1.6mm root



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



6 deg. U type beveling with 2mm root, R=3mm



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

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

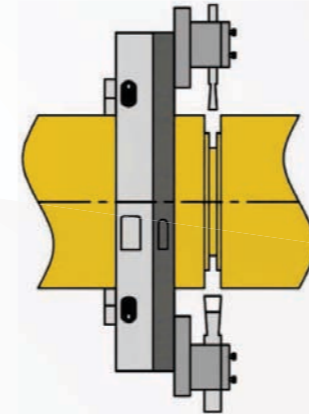


1
Middle locking of rotation ring
Previous the locking screw at the side
The improved new ones, the locking screw in the middle, this make the locking more symmetry and stable.
And the space for loosening screw is bigger than before, when split the ring, more convenient.

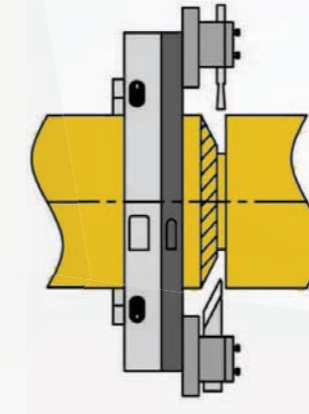


2
Uncovered locking screw of stationary ring
It's difficult to assemble the split frame on the pipeline when 2 locking screws at the side.
The new uncovered design makes the installation easy and user friendly, especially when install the split frame on pipeline.

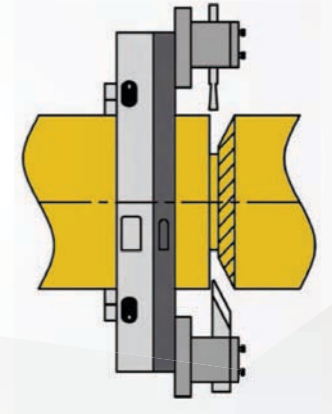
Schematic View



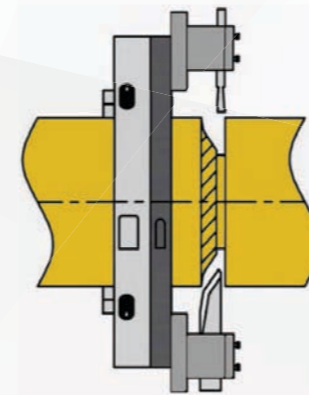
Cutting Only



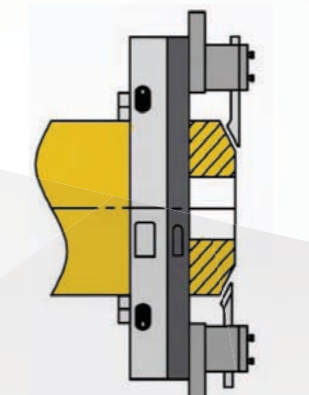
Cutting and RH Beveling



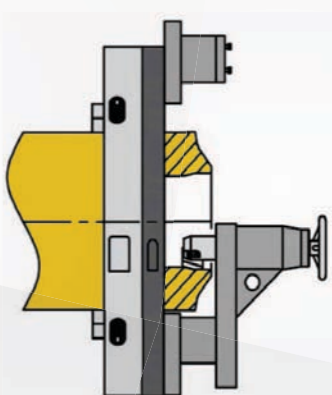
Cutting and LH Beveling



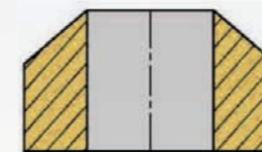
Cutting and compound beveling



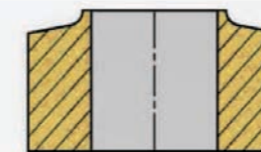
Beveling Only



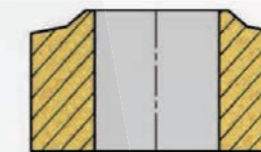
Inner beveling and boring



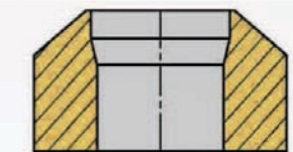
V groove



J groove



Compound groove



Counter Boring