

SB&AB SERIES

Pipe Cold Cutting and Beveling Machines

- Clamshell -

Steel Body SB



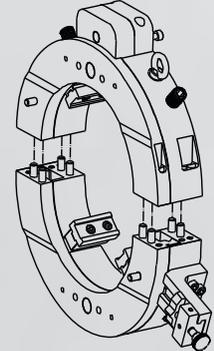
Both Rotary ring and Stationary ring made by steel. This is the traditional UK material. A little heavier for on-site machine.

Aluminum Body AB



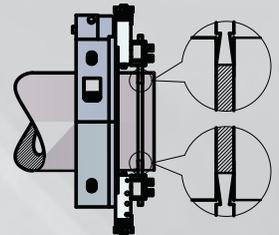
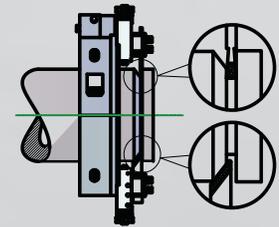
This is our new machine, stationary ring made by aluminum. Steel where strength is needed, aluminum where strength is less critical than weight. Lightweight makes more convenient for operator.

- Split frame -



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 point, counterbore and flange facing operations, as well as weld end preparation on open ended pipe, Ranging from 3/4 to 56 inches O.D. (DN20-1400), on most wall thicknesses and material.



Optional Accessories



Tracking Tool Slide

O.D. tracking slide compensate for out-of-round pipe

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 also improves safety

Low Axial & Radial Clearance

Tool feed automatically

Cut and bevel pipe of any wall thickness.

Materials include: Carbon steel, alloy, stainless steel as well as other material

Pneumatic, electric and hydraulic type for option

Machining OD of pipe from 3/4" up to 56"



Universal Counter Boring Tool Slide

The tool slide performs boring and inside beveling



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Specification

Drive Options: Pneumatic, Hydraulic, and Electric
 Air requirement: 1500L-3000L Per minute @0.6/0.7Mpa
 Hydraulic requirement: 2-60L per minute @12.5Mpa
 Electric requirement: 220-240V 1PH 50/60HZ
 Feed mode: Star wheel, automatically
 Feed rate: Fixed@0.08mm per circle
 Packaging: Plywood case



Air Type ODP Series

Power Supply: 1500-3000L/Min@0.6/0.7Mpa
Advantage
 Explosion Proof
 Stable Performance
 Simple structure makes easy to maintenance
 Occasionally overload no damage



Electric Type ODE Series

(METAOBO Motor is available)
 Power Supply: 220-240V 1PH 50/60HZ
Advantage
 Low Energy
 Power: 1600-2400W
 Self-made, easy to maintenance



Selection Guide

17 sizes machine for options.
 Consult with us for special size.
 For narrow working condition, pay attention to the axial and radial clearance.

| Model | Working Range (OD) | | Wall Thickness |
|----------|--------------------|-------------|----------------|
| | Inch | mm | |
| SB002006 | 2 - 6 | 50 - 168 | ≤30 |
| SB003008 | 3 - 8 | 80 - 230 | ≤30 |
| SB004010 | 4 - 10 | 100 - 275 | ≤30 |
| SB006012 | 6 - 12 | 168 - 325 | ≤30 |
| SB008014 | 8 - 14 | 219 - 377 | ≤30 |
| SB010016 | 10 - 16 | 273 - 426 | ≤30 |
| SB012018 | 12 - 18 | 300 - 457 | ≤30 |
| SB014020 | 14 - 20 | 355 - 508 | ≤30 |
| SB016022 | 16 - 22 | 400 - 560 | ≤30 |
| SB018024 | 18 - 24 | 457 - 610 | ≤30 |
| SB020026 | 20 - 26 | 508 - 660 | ≤30 |
| SB022028 | 22 - 28 | 550 - 715 | ≤30 |
| SB024030 | 24 - 30 | 600 - 762 | ≤30 |
| SB026032 | 26 - 32 | 660 - 813 | ≤30 |
| SB030036 | 30 - 36 | 762 - 914 | ≤30 |
| SB036042 | 36 - 42 | 914 - 1066 | ≤30 |
| SB042048 | 42 - 48 | 1066 - 1230 | ≤30 |

Tooling Chart

| CUTTING TOOLS | | | |
|--------------------------------|-------------|--|--------|
| Description | Part Number | Application | Sketch |
| 5x25x100mm M42 Cutting tool | 42C-5100 | Standard cutting, for most materials up to 30mm | |
| 6x25x200mm M42 Cutting tool | 42C-6200 | Longer cutting tool, both ends have blade, for most materials up to 60mm | |
| 8x25x200mm M42 Cutting tool | 42C-8200 | Longer cutting tool, both ends have blade, for most materials up to 60mm | |

| COUNTERBORING TOOL | | | |
|---------------------------|-------------|---|--------|
| Description | Part Number | Application | Sketch |
| M42 Counterboring tool | 42T | For pipe Counterboring install on the counter boring tool slide | |

| BEVELING TOOLS | | | |
|---|----------------------|--|--------|
| Description | Part Number | Application | Sketch |
| 12x20x104mm M42 Beveling tool | 42B-RH1220-30° | Right Hand Standard beveling tool for most materials up to 30mm | |
| | 42B-RH1220-35° | | |
| | 42B-RH1220-37.5° | | |
| 12x20x104mm M42 Beveling tool | 42B-LH1220-30° | Right Hand Standard beveling tool for most materials up to 30mm | |
| | 42B-LH1220-37.5° | | |
| 12x20x150mm M42 Compound Beveling tool | 42B-CB1220-10°X30° | Right Hand 10°X30°, for most materials up to 30mm | |
| | 42B-CB1220-10°X37.5° | Right Hand 10°X37.5° as per ASME B(16). 25 for most materials up to 30mm | |
| 25x25x150mm M42 Compound Beveling tool | 42B-CB2525-10°X30° | Right Hand 10°X30°, for most materials up to 60mm | |
| | 42B-CB2525-10°X37.5° | Right Hand 10°X37.5° as per ASME B(16). 25 for most materials up to 60mm | |
| 25x25x200mm M42 Beveling tool | 42B-2525-10° | Longer beveling tool, both ends have blade, for most materials up to 60mm. Fit the heavy wall tool slide | |
| | 42B-2525-30° | | |
| | 42B-2525-37.5° | | |

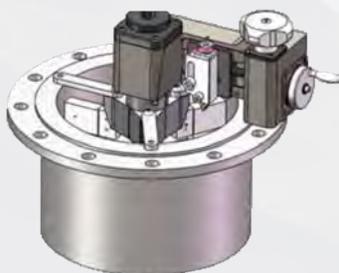
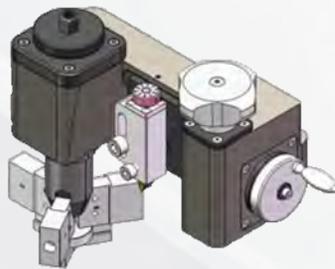
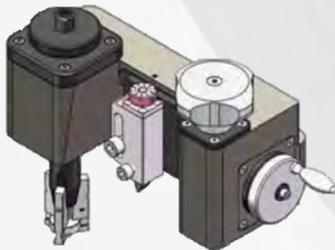
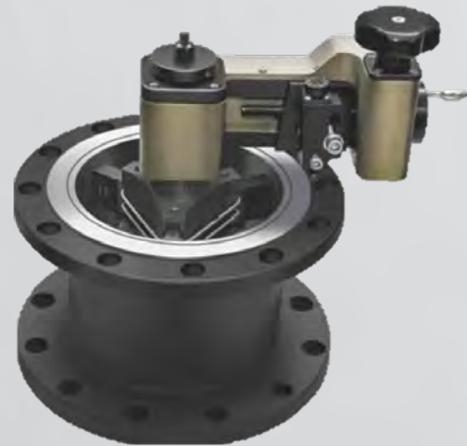
HF14I SERIES

Manual Flange Facing Machine

1.07"-14" (27.2-355.6mm)

Features

- Manual operated, No power source
- Explosion-proof
- Quick and easy set up
- Portable, durable trolley case



Three sizes of mounting chassis covering Dia. 27.2-270mm ensure stability during machining

Specifications

| | |
|-----------------------------|--------------------|
| Min. Facing Dia. | 27.2mm / 1.07" |
| Max. Facing Dia. | 355.6mm / 14" |
| Min. Clamping Dia. | 27.2mm / 1.07" |
| Max. Clamping Dia. | 270mm / 10.63" |
| Fine Finish-Feed Screw | 0.125mm/r / 0.005" |
| ASME B16.5-Feed Screw | 0.5mm/r / 0.02" |
| Tool Post Travel-Vertical | 40mm / 1.57" |
| Tool Post Travel-Horizontal | 57mm / 2.24" |
| Driven | Manually |
| Working Weight | 9 Kgs |
| Shipping Weight | 29 kgs |
| Shipping Dimensions | 680x510x250mm |

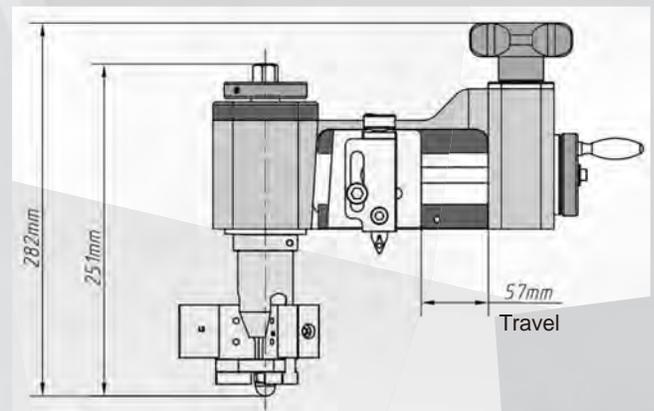
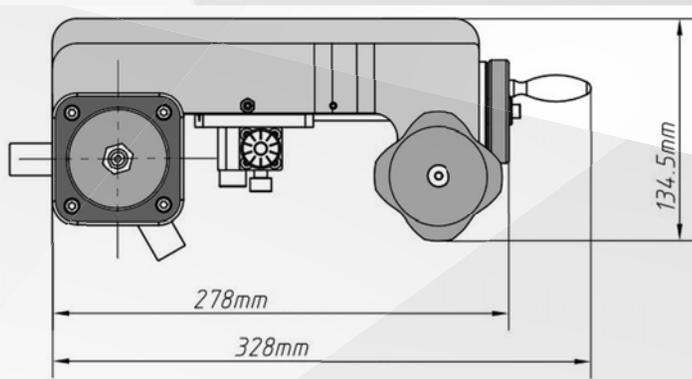
Standard Supply

| | |
|-----------------------|-------------------------------|
| Facer Body | Extention legs-N1, N2, N3, N4 |
| ASME B16.5 Lead Screw | Extention legs-B1, B2, B3, B4 |
| Straight Tool | Extention Legs-L1, L2, L3, L4 |
| 90° Tool (RH) | Spring- L 115mm |
| 90° Tool (LH) | Spring- L 300mm |
| Cutting tips - 10 pcs | Allen keys, set |
| Pull Rod -3 Nos | Spanner 17mm |
| S-Base | Plastic Hammer |
| M-Base | Dia Gauge |
| L-Base | Manual |

Package



Dimension Figure



Application

