

NODHA

Quality,Your Value ,Our Life

NODHA

Beveling Machinery

Nodha Industrial Co., Ltd

Nodha Industrial Technology (Wuxi) Co., Ltd

Add:1203, Block A, No. 58 Liang Qing Road

Wuxi, China Postal: 214062

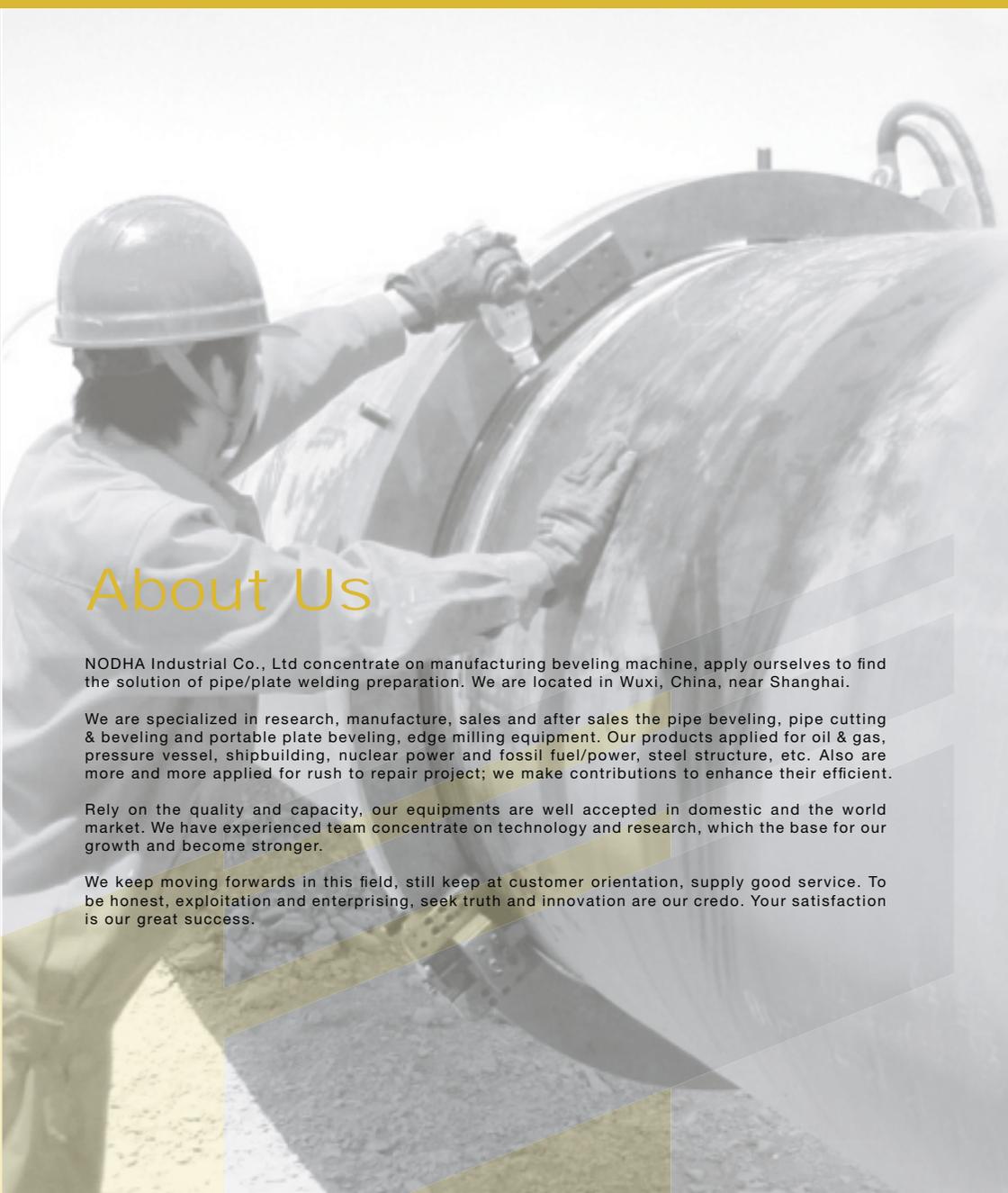
Tel: 86 510 8580 9585 Fax: 86 510 8580 8563

E-mail:info@nodha.com sales@nodha.com

Web: www.nodha.com

Distributor:

Nodha Industrial Co., Ltd



About Us

NODHA Industrial Co., Ltd concentrate on manufacturing beveling machine, apply ourselves to find the solution of pipe/plate welding preparation. We are located in Wuxi, China, near Shanghai.

We are specialized in research, manufacture, sales and after sales the pipe beveling, pipe cutting & beveling and portable plate beveling, edge milling equipment. Our products applied for oil & gas, pressure vessel, shipbuilding, nuclear power and fossil fuel/power, steel structure, etc. Also are more and more applied for rush to repair project; we make contributions to enhance their efficient.

Rely on the quality and capacity, our equipments are well accepted in domestic and the world market. We have experienced team concentrate on technology and research, which the base for our growth and become stronger.

We keep moving forwards in this field, still keep at customer orientation, supply good service. To be honest, exploitation and enterprising, seek truth and innovation are our credo. Your satisfaction is our great success.

Exhibition



Exhibition Plan :

1. 2016 Mar.16-18 APM, Singapore
2. 2016 Mar.22-25 OTC Malaysia, KUL
3. 2016 Jun.14-17 Beijing ESSEN, Beijing
4. 2016 Oct.19-22 Offshore Korea 2016, Busan
5. 2016 Nov.9-12 ADIPEC, Abu Dhabi UAE
6. 2016 Nov.30-Dec.3 Manufacturing Indonesia 2016, Jakarta
7. 2017 Sep. 23-29 ESSEN Welding and Cutting Equipment, Germany

Typical Construction Site



Quality, Your Value
Our Life





Training on site

Training is a important part of our service
Can supply training at our factory or your site

The photos show:

Ruby project, Balikpapan – Indonesia
Pipe size: 42" x 40mm, 5mm out of round
Pipe material: X65
Beveling requirement: ASME B16.25
Machine: ODH-1066 (36" - 42") Hydraulic driven

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.



Steel Body



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

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

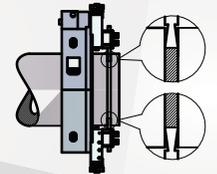
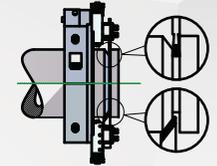
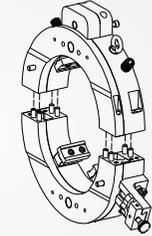
Tool feed automatically

Cut and bevel pipe of any wall thickness.

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

Pneumatic, electric and hydraulic type for option

Machining OD of pipe from 3/4" upto 56"



Optional Accessories



Universal Counter Boring Tool Slide

The tool slide performs boring, inside beveling and



Tracking Tool Slide

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

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

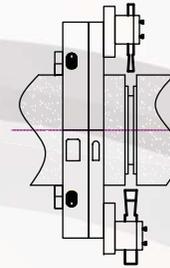


Hydraulic Type ODH Series

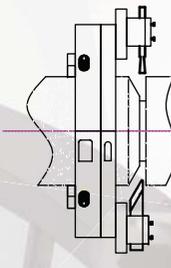
Power Supply: 380-440V 3PH 50/60HZ
 2-60L per minute @12.5Mpa
Advantage
 Powerful drive, High efficiency
 Stable Performance
 Low noise
 Adjustable speed
 Ideal for heavy wall thickness & large size pipe



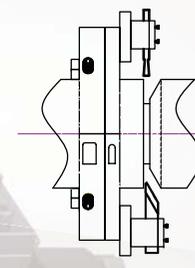
Schematic View



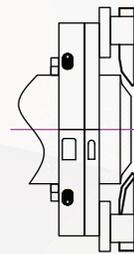
Cold Cutting



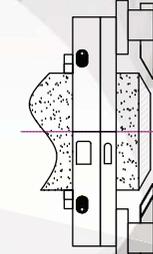
Cutting & Beveling (RH)



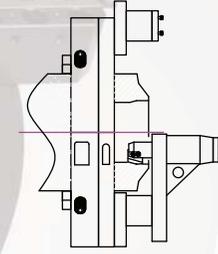
Cutting & Beveling (LH)



Compound Beveling ASME B16.[1].25



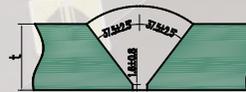
Double Beveling



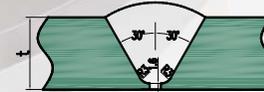
Counter boring & Facing

Typical Buttwelding Joint

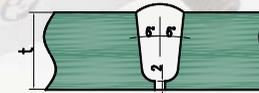
Different welding requirement and welding technology always required different welding seam.
 Mostly comply with ASME B16.[1].25, but some special demand.
 Better to advise us before you place the order.



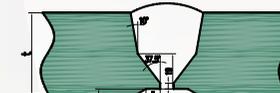
37.5 deg. V T type beveling with 1.6mm root



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

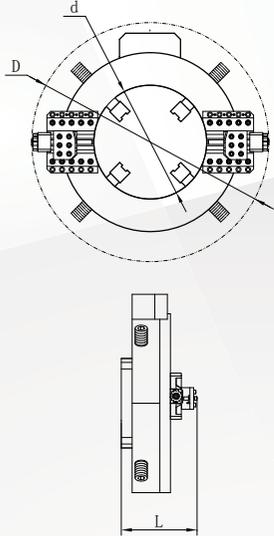


6 deg. U type beveling with 2mm root, R=5mm



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

Axial & Radial Clearance



The split frame designed with compact cross section for low clearance applications.
The clearance chart for evaluating the installation space where will install the machine in narrow space, most for pipeline maintain projects.
With seventeen standard models available to find the suitable model.

Steel body

Model Size	d (mm)	D (mm)	L (mm)
168	185	512	178
230	236	564	178
275	283	612	178
325	334	665	178
377	386	719	178
426	438	776	180
457	469	807	180
508	519	862	190
560	570	910	190
610	618	960	190
660	670	1020	190
715	719	1084	190
762	770	1134	190
830	830	1194	192
914	924	1296	212
1066	1077	1468	212
1230	1248	1646	212

Aluminum Body

Model Size	d (mm)	D (mm)	L (mm)
168	185	512	192
230	236	564	192
275	283	612	192
325	334	665	192
377	386	719	192
426	438	776	195
457	469	807	195
508	519	862	195
560	570	910	195
610	618	960	195
660	670	1020	195
715	719	1084	198
762	770	1134	198
830	830	1194	207
914	924	1296	214
1066	1077	1468	216
1230	1248	1646	216

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	
168	2 - 6	50-168	≤30
230	3 - 8	80-230	≤30
275	5 - 10	125-275	≤30
325	6 - 12	168-325	≤30
377	8 - 14	219-377	≤30
426	10 - 16	273-426	≤30
457	12 - 18	300-457	≤30
508	14 - 20	355-508	≤30
560	16 - 22	400-560	≤30
610	18 - 24	457-610	≤30
660	20 - 26	508-660	≤30
715	22 - 28	550-715	≤30
762	24 - 30	600-762	≤30
830	26 - 32	660-813	≤30
914	30 - 36	762-914	≤30
1066	36 - 42	914-1066	≤30
1230	42 - 48	1066-1230	≤30

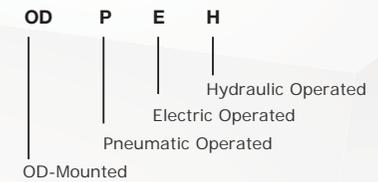
* Standard tool slide for cut/bevel up to 30mm
* Consult with us for heavy wall pipe cut/bevel

Order Guide

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

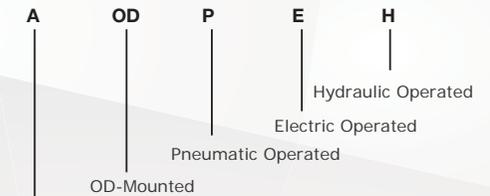
- Choose the right size
- Advise us the driven options: Pneumatic, Electric or Hydraulic
- Advise us steel body or aluminum body prefers
- Confirm the beveling angel required
- Confirm the welding joint required (U, V, Double V or Compound preparation)
- Advise your pipe material (Carbon steel, stainless 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)

Steel Body Series



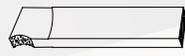
Example:
ODP-168: Steel body, 2"-6" Pneumatic machine

Aluminium Body Series

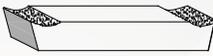


Example:
AODH-610: Alu. body, 18"-24" Hydraulic machine

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	

Beveling tools

Description	Part Number	Application	Sketch
M42 Beveling tool 12X20X104mm	42B-RH1220-30°	Right Hand	
	42B-RH1220-35°	Standard beveling tool for most materials. Up to 30mm	
	42B-RH1220-37.5°		
M42 Beveling tool 12X20X104mm	42B-LH1220-30°	Right Hand	
	42B-LH1220-37.5°	Standard beveling tool for most materials. Up to 30mm	
M42 Compound Beveling tool 12X20X150mm	42B-CB1220-10°x30°	Right hand 10° x 30°, For most material, up to 30mm	
	42B-CB1220-10°x37.5°	Right hand 10° x 37.5° as per ASME B[16].25 For most material, up to 30mm	
M42 Compound Beveling tool 25X25X150mm	42B-CB2525-10°x30°	Right hand 10° x 30°, For most material, up to 60mm	
	42B-CB2525-10°x37.5°	Right hand 10° x 37.5° as per ASME B[16].25 For most material, up to 60mm	
M42 Beveling tool 25x25x200mm	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°		

Counterboring Tool

Description	Part Number	Application	Sketch
M42 Counterboring tool	42T	For pipe Counterboring Install on the counter boring tool slide	

* Consult with us for special application

Weight & Packing List

Model	Working Weight, Kgs		Shipping Weight, Kgs		Packing Size, mm (Plywood)		
	Steel Body	Aluminum Body	Steel Body	Aluminum Body	Length	Width	Height
168	46	41.5	72.00	67.50	640	650	280
230	51.5	42.5	84.50	75.50	740	620	280
275	53.5	44.5	88.50	79.50	770	710	280
325	62	53	97.00	88.00	810	740	280
377	68	56	106.00	94.00	785	845	280
426	76	60	116.00	100.00	910	860	280
457	79	65.5	120.00	106.50	920	870	280
508	98	77	143.00	122.00	940	940	330
560	104	79	152.00	127.00	1040	970	290
610	112	85	161.00	134.00	1050	920	290
660	126	96	180.00	150.00	1050	1050	330
715	148.5	114	203.50	169.00	1050	1050	330
762	152.5	116	208.50	172.00	1090	1090	330
830	163	120.5	224.00	181.50	1150	1150	330
914	196	144.5	261.00	209.50	1130	1200	330
1066	277	197.5	361.00	281.50	1320	730	330
					1320	730	330
1230	331	236	434.00	339.00	1570	820	310
					1570	820	310

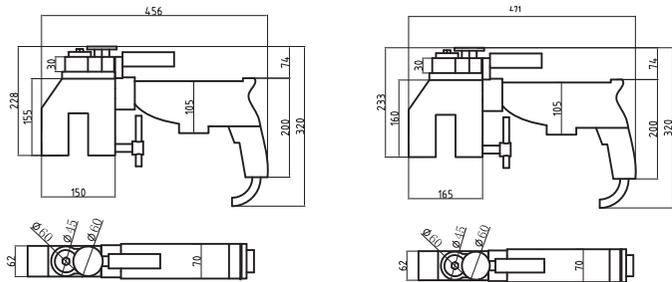


OD-Mounted Auto-Feed Pipe Beveling Machine

This series machine adopts METABO motor, main applied in the field of power plant pipeline installation, chemical industry, shipbuilding, especially pipeline prefabrication and low clearance on site working, such as maintain thermal power auxiliary equipment, boiler pipe valve.

Features

- OD-Mounted
- Light weight
- Adjustable speed
- Compact design, good rigidity
- Tool feed/back automatically
- Original German METABO motor
- Ingenious centering device, easy for process various of pipe size



Specification

Model	Working Range	Wall thickness	Clamp Size
	OD mm	mm	OD mm
AF-63C	28-63	≤12	28, 32, 42, 45, 54, 57, 60, 63
AF-76C	42-76		42, 45, 54, 57, 60, 63, 68, 76

* Custom-made clamp size is available

- IDP-80 - NODHA

Clamp Range(ID): 28-76mm
Working Range(OD): 3" (88.9mm)

The ID-Mounted

Beveling operation utilizes an expandable mandrel which is slid into the open end of the pipe. A draw nut is tightened, which expands the mandrel blocks up a ramp and against the ID surface for positive mounting, self centered and squared to the bore. As the tool bit is fed into the material from the end, a bevel is produced which conforms to the angle predetermined by the angle ground into the bit.



Feature:

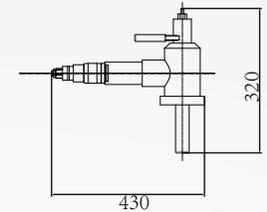
- On-site cold Beveling improves Safety
- Easy set-up & Operation
- Self-Centering
- Can be positioned in any direction
- Feed ratchet spanner makes tool feed / back easily
- Light weight and compact design
- Electric or Pneumatic driven for option
- Adjustable speed



IDE Electric drive is interchangeable with Pneumatic drive, only change the motor. Consult us for machine c/w METABO motor



The IDP-80 is the most popular model, is ideal for end prepping the tube in the field of boiler, heat-exchanger, it works well with most material like ASME SA210/213. Also it can perform weld removal for maintain job



Specification

Model	IDP-80	IDE-80
Driven	Pneumatic	Electric
Power Supply	900L/Min@0.6Mpa	220-240V 1PH 50/60HZ
Motor Power	1 HP	1200W
Clamping Range (ID)	28-76mm	28-76mm
Working Range (OD)	3" (88.9mm)	3" (88.9mm)
Wall Thickness	≤ 15mm	≤ 15mm
Rotation Speed	46 r/min	48 r/min
Working Weight	8.15kgs	9.5 kgs
Shipping Weight	16kgs	18kgs
Packing Size	500x420x180mm	500x420x180mm



Standard Supply:

Machine, 1 cutting tool bit, 1 30 degree beveling tool bit, 1 37.5 degree beveling tool bit, air motor, manual, expanding block, wrench, Guarantee card

- IDP-120 - NODHA

Clamp Range(ID): 40-110mm
Working Range(OD): 4"(114.3mm)

The ID-Mounted

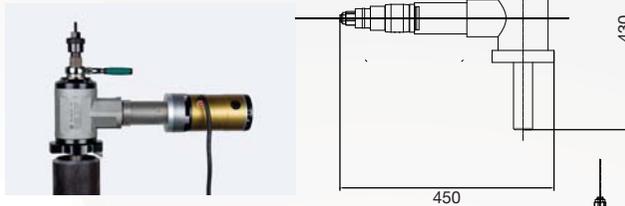
Beveling operation utilizes an expandable mandrel which is slid into the open end of the pipe. A draw nut is tightened, which expands the mandrel blocks up a ramp and against the ID surface for positive mounting, self centered and squared to the bore. As the tool bit is fed into the material from the end, a bevel is produced which conforms to the angle predetermined by the angle ground into the bit.

Features

Right angle tool rigidly mounts to tube I.D.
Can be positioned in any direction
Self-centering Clamping system
Easy set up & operation
Electric or Pneumatic driven for option



IDE Electric drive is interchangeable with Pneumatic drive, only change the motor. Consult us for machine c/w METABO motor



Specification

Model	IDP-120	IDE-120
Driven	Pneumatic	Electric
Power Supply	900L/Min@0.6Mpa	220-240V 1PH 50/60HZ
Motor Power	1 HP	1200W
Clamping Range (ID)	40-110mm	40-110mm
Working Range (OD)	4"(114.3mm)	4"(114.3mm)
Wall Thickness	15mm	15mm
Rotation Speed	35 r/Min	36 r/Min
Working Weight	18.5kgs	21kgs
Shipping Weight	26kgs	28kgs
Packing Size	610x520x210mm	610x520x210mm



Standard Supply:

Machine, 1 cutting tool bit, 1 30 degree beveling tool bit, 1 37.5 degree beveling tool bit, air motor, manual, expanding block, wrench, Guarantee card

Clamp Range(ID): 80-240mm
Working Range(OD): 10"(273.05mm)

- IDP-252 - NODHA

The ID-Mounted

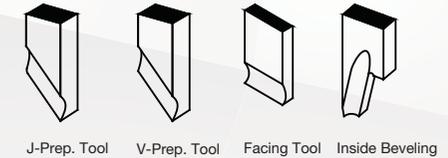
Beveling operation utilizes an expandable mandrel which is slid into the open end of the pipe. A draw nut is tightened, which expands the mandrel blocks up a ramp and against the ID surface for positive mounting, self centered and squared to the bore. As the tool bit is fed into the material from the end, a bevel is produced which conforms to the angle predetermined by the angle ground into the bit.

IDP-252 is a wide working range machine cover 3" -10" OD pipe, makes it as a popular machine on the market. End prepping carbon steel, stainless steel, P-91 and other hard material.



Tool Bits

Standard tool:
V type beveling
U type beveling
Facing
inside beveling
* Consult with us for special demand
* Contact us for tooling chart



Features

Straight type, low radial clearance
(8) sets of clamps cover the entire range
One mandrel covers entire range
Can be positioned in any direction
Self-centering Clamping system
Easy set up & operation
Electric or Pneumatic driven for option

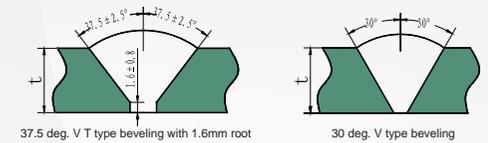


IDE Electric drive is interchangeable with Pneumatic drive, only change the motor. Consult us for machine c/w METABO motor

Specification

Model	IDP-252	IDE-252
Driven	Pneumatic	Electric
Power Supply	1200L/Min@0.6Mpa	220-240V 1PH 50/60HZ
Motor Power	1.5HP	1500W
Clamping Range(ID)	80-240mm	80-240mm
Working Range (OD)	10"(273.05mm)	10"(273.05mm)
Wall Thickness	≤20mm	≤20mm
Rotation Speed	21r/Min	25r/min
Working Weight	37kgs	40kgs
Shipping Weight	48kgs	51kgs
Packing Size	720x375x315mm	720x375x315mm

Typical Buttwelding Joint



Standard Supply:

Machine, 1 cutting tool bit, 1 30 degree beveling tool bit, 1 37.5 degree beveling tool bit, air motor, manual, expanding block, wrench, Guarantee card

High-Efficiency self-centering
pipe cutting and beveling machine

Adopt high strength & precision ring structure, apply for pipe cutting and beveling, especially for batch working of cutting & beveling
Adopt METABO motor: low noise, long life, stable performance and perfect speed adjustable function, with CE certificate.
Power supply:
Electric Operated: 220-240V 1PH 50/60HZ ESCB Series

Features

Self-centering, make the installation much faster
Compact structure and good appearance, high strength aluminum body
Adopt new synchronous feeding mechanism, feeding uniformity, tool bits has longer working life.
Easy set-up, operation and maintain.
Cutting & beveling finished at same time, high working efficiency.
Cold working, no spark, won't make the material affected.
Perfect working precision, no burrs
Well-adapted, you can make the speed adjust depend on the working conditions.



Specification:

Model	Working range	Thickness	Speed	Net Weight
ESCB-63	Dia. 14~63mm	≤15mm	30~120r/min	13 Kgs
PSCB-63	Dia. 14~63mm	≤15mm	30~120r/min	13.5 Kgs
ESCB-114	Dia. 57~114mm	≤15mm	30~120r/min	16 Kgs
PSCB-114	Dia. 57~114mm	≤15mm	30~120r/min	16.5 Kgs

* Only for open end pipe, can not split

Portable Hydraulic Power Units HPU-10

It delivers the power you need in a convenient, lightweight package. The durable design provides superior control and produces less heat and noise than typical hydraulic power pack. Adopts SIEMENS VFD electric motor provides full amps throughout the adjustable speed range, so full torque is always provided to the hydraulic motor as the motor speed is changed. Remote pendant control gives the operator full control over the power unit right from the working area.

Features

5 and 10HP model
Compact and lightweight
Various Frequency Drive
Remote pendant provides easy operation: Start/Stop/ Variable Speed
Variable displacement pump provides improved power. Performance and precise speed control, allowing near continuous full torque over RPM range.
Fan cooled helps prevent oil overheating and resulting loss of power.

Safety

Low oil level alarm
High temperature alarm
Filter plug alarm

10HP (7.5kw) Specifications

Power supply: 380-440V 3PH 50/60HZ
Rated Pressure: 12.5 Mpa
Max Hydraulic Flow: 40L/Min
5M Length pendant cable
8M Length hydraulic hose with quick connection
Dimensions: 1220 x 870 x 660mm

New Arrival HPU-5E

5HP (3.75kw) Low budget for 24" and smaller machine
Power supply: 380-440V 3PH 50/60HZ
Rated Pressure: 6 Mpa
Max Hydraulic Flow: 32L/Min
5M Length pendant cable
8M Length hydraulic hose with quick connection
Dimensions: 860 x 600x 500mm

