

BEVELING MACHINES FOR PIPE, PLATE AND FINISHING



The FE PBM range of pipe beveling machines for mechanical weld preparation and orbital welding makes pipe beveling jobs easier to complete on-site or in the workshop. The pipe beveling machine is affixed to the pipe with an inside or outside clamping device. The pipe beveling machine is operated by one worker, who gives a manual feed to the pipe beveling machine with a lever. One cutter is attached to the blade holder.

In general, for the weld preparation of heavy wall pipes the weld edge end has to be beveled in a 0°, 30°, 37.5° outside or j-shape (inside 15°). Most companies use a heavy grinder for this work. This takes a long time, is not precise and creates terrible working conditions for the worker. Dust, vibrations and noise physically harm the worker. Low quality weld preparation reduces the quality of the welding junction and long preparation time increases production costs.

All FE PBM pipe beveling machines are available with an electrical or pneumatic drive. Special pipe beveling tools for a wide range of bevel applications are available. Pipe-end preparation is also necessary for orbital welding, to achieve the best pipe weld edge preparations with outside beveling and inside beveling.

FE PBM 25

Pipe beveling Machine



CE

FE PBM 76

Pipe beveling Machine



CE

FE PBM 159

Pipe beveling Machine



CE

Supplied in steelcase

Driven	Bosch motor
Power supply	220-240 V 50/60Hz
Motor power	850 watt
Clamping range (ID)	16 - 25
Working range (OD)	1" - (33.4 mm)
Wall thickness max.	< 8 mm
Rotation speed	48 MIN-1
Working weight	8 kg
Shipping weight	16 kg
Packing size	540x410x170 mm

Supplied in steelcase

Driven	Bosch motor
Power supply	220-240 V 50/60Hz
Motor power	850 watt
Clamping range (ID)	25 - 76
Working range (OD)	3" - (88.9 mm)
Wall thickness max.	< 15 mm
Rotation speed	48 MIN-1
Working weight	9 kg
Shipping weight	16 kg
Packing size	540x410x170 mm

Supplied in steelcase

Driven	Bosch motor
Power supply	220-240 V 50/60Hz
Motor power	1000 watt
Clamping range (ID)	16 - 159
Working range (OD)	6" - (168.28 mm)
Wall thickness max.	20 mm
Rotation speed	38 MIN-1
Working weight	17 kg
Shipping weight	31 kg
Packing size	560x550x250 mm



Clamping keys for different pipe diameters



Cutters

FE PBM 210

Pipe beveling Machine



CE

FE PBM 340

Pipe beveling Machine



CE

FE PBM 630

Pipe beveling Machine

FEpowerTools®



CE

Supplied in steelcase

Driven	Electric
Power supply	220-240 V 50/60Hz
Motor power	1200 watt
Clamping range (ID)	65 - 210
Working range (OD)	8"- (219.08 mm)
Wall thickness max.	< 20 mm
Rotation speed	24 MIN-1
Working weight	28 kg
Shipping weight	44 kg
Packing size	650x280x250 mm



Supplied in steelcase



Driven	Electric
Power supply	220-240 V 50/60Hz
Motor power	1500 watt
Clamping range (ID)	145 - 340
Working range (OD)	14" - (355.6 mm)
Wall thickness max.	< 20 mm
Rotation speed	20 MIN-1
Working weight	48 kg
Shipping weight	70 kg
Packing size	830x430x410 mm

Supplied in steelcase

Motor power	1430 watt
Clamping range	280 - 600 mm
Max. external diameter	300 - 630 mm
Max. wall thickness	15 mm
Pneumatic capacity	2210 watt
Feed length	54 mm
Rotation speed	10 rev/min
Weight	75 kg

Cutters for FE PBM inside pipe beveler

Cutter	Art No.	Description	
Plain cutter	FECI 7.0001	Plain 0°	
Bevel cutter	FECI 7.0003	Bevel 30°	

Cutter	Art No.	Description	
Bevel cutter	FECI 7.0004	bevel 37,5°	
Interior bevel cutter	FECI 7.0002	bevel 15°	

FEB 15/2

Beveling Machine

FEpowerTools®



Supplied in strong steel carrying box with all needed accessories and clear manual and safety instructions.

Motor power
2200 watt

Minimal hole diameter of countersinking
40 mm (1.57")

RPM
1800-5850 rpm

Bevel angle (depending on milling head)
22.5°, 30°, 37.5°, 45°, 55°, 60°

Rounding edges
R2, R3, R4, R5

Maximum bevel width
16 mm

Weight
10 kg (22 lbs)

Power supply
220-240 V / 50-60 Hz or 110-120V / 60Hz

Strong, portable, and very handy, this beveling machine is designed for milling edges of plates and pipes made of steel, aluminum alloys, brass, or plastic. Depending on the chosen milling head, the machine enables beveling angles of 22.5°, 30°, 37.5°, 45°, 55° or 60°. Each milling head uses 5 indexable cutting inserts. There is one milling head for each beveling radius, which enables the beveling of edges with a radius of 2, 3, 4 or 5 mm with the use of 4-sided indexable R2, R3, R4 or R5 cutting inserts. The FEB 15/2 is equipped with a continuous bevel width adjustment, overload protection and electronic speed control for use on a variety of materials.

FEB 20

Beveling Machine

FEpowerTools®



Supplied in strong steel carrying box with all needed accessories and clear manual and safety instructions.

Motor power
1100 watt

RPM
2850 min-1

Max. Bevel
20 mm (0.79")

Angle Setting
15° - 60° stepless variable

Weight
22 kg (48.5 Lbs)

Thermo protection

Machine FEB 20 comes with 2 cutting plate holders. In each holder you need 6 cutting plates which can be used on 4 sides.



FEB 25

Beveling Machine

FEpowerTools®



Supplied in strong steel carrying box with all needed accessories and clear manual and safety instructions.

Motor power
1100 watt

RPM
2850 min-1

Angle Setting
15° - 60° variable

Safety
Automatic overload cutout

Maximum bevel width
15 mm

Weight
22 kg

Tools

Arbor milling cutter, double-row with 10 sintered carbide reversible cuttingplates



FEB 30/ 45/ R25

Beveling Machine

FEB 530/ 545

Beveling Machine

FEB 630/ 645

Beveling Machine

FEpowerTools®



FEB 30 30° FEB R25 (R 2.5)
FEB 45 45°

Motor power
1500 watt

Speed
6000 min-1

Max. bevel width
0-5 mm

Angle Setting
30°

Weight
4,6 kg (10.14 Lbs)

Cutting plate holders are interchangeable. Thermo protection.

FEpowerTools®



FEB 530 30° FEB 545 45°

Motor power
1800 watt

Speed
1850 – 3350 min-1

Max. bevel width
0-12 mm

Angle Setting
30° / 45°

Weight
9,3 KG (20,04 Lbs)

Cutting plate holders are interchangeable. Thermo protection.

FEpowerTools®



FEB 630 30° FEB 645 45°

Motor power
2300 watt

Speed
1600 – 3000 min-1

Max. bevel width
0-15 mm

Angle Setting
30° / 45°

Weight
10,2 KG (21,98 Lbs)

Cutting plate holders are interchangeable. Thermo protection.

Cutting plates and holders for FEB 30, FEB 45 and FEB R25

High-quality Hardmetal cutting plates for most applications.

Article nr.	Connection
FECI2.001	CUTTING PLATE FEB 30 – FEB 45
FECI2.002	CUTTING PLATE FEB R25 (Radius 2,5)
FECI10.0001	CUTTING PLATE FEB 530/545/630/645
FECH2.0001	CUTTING PLATE HOLDER FEB 30
FECH2.0002	CUTTING PLATE HOLDER FEB 45
FECH2.0003	CUTTING PLATE HOLDER R25



UZ 12

Beveling Machine



UZ12 ULTRALIGHT creates welding-ready bevels on linear plates of any shearable material, including iron, steel (up to 60kg/mm² or 85,000lbs/in²), stainless steel, brass, copper and aluminum. It cuts bevels from 3 to 35mm in thickness, with a minimum plate width of 60 mm and minimum plate length of 60mm.

Max. width of bevel	12 mm
Bevel angle	30° - 50° variable
Thickness material	3 - 35 mm
Motor	400 watt
RPM	2800 min-1
Speed	180 cm / min
Weight	30 kg
Manipulator	Optional



Full automatic bevellingmachine

UZ 50

Beveling Machine



The beveler UZ 50 Triumph - very efficient, unique double sided beveling machine for steel, stainless steel, HARDOX, DOMEX and aluminium (max. width of bevel 62 mm) 3 BEVELERS IN ONE, fully automatic.

Max.width of bevel	62 mm
Bevel angle	15° - 60° variable
Thickness material	7 - 70 mm
Motor milling	4000 watt / 400V / 3 phases/ 50 Hz
Motor automatic feeding	2 engine 120 watt
Speed	183 cm / min
Weight	175 kg
Manipulator	Standard
Working table	Optional



Full automatic bevellingmachine

B15 Air

Beveling Machine



Pneumatic Hand Beveler with huge power for straight edges, contours, boreholes, radius. The beveler is designed and produced in Europe and brings a new high ergonomics design and huge power for every day beveling. Aluminum alloy body engine, Hardox support plate, milling head and inserts designed especially for hand beveler.

Power	2984 Watt
Air pressure/ consumption	Max 6 bar/ 127.5L/min
Rpm	6000 min
Bevel width	0-15 mm
Bevel angle	Optional 30°, 37,5°, 45°, 50° or 60°
Cutting head	Optional
Weight	7.5 kg



Full automatic bevellingmachine

B 2 Air

Beveling Machine



Designed for deburring and rounding edges of parts and products made of steel, stainless steel, aluminum and other materials. Suitable for machining holes from the internal diameter of 6.8 mm / 0.24 in.

Chamfering angle:	45°
Chamfering width (hypotenuse):	2 mm / 0.08 i
Rounding radius:	R 1,5 mm / 0.06
Speed	23,000 rpm.
Feed	manual
Air consumption	320 l/min
Dimensions:	112 x 60 x 48 mm
Weight:	400 g / 0.88 Lbs
Number of cutting tips	3 pcs



Full automatic bevellingmachine

