

PORTABLE BEVELING MACHINE FROM STEELMAX®

BM18 PORTABLE BEVELER

BEVEL OR RADIUS FLAT, CURVED OR ROLLED PLATE

The Steelmax **BM18** is a light-weight portable beveling machine for use on flat, curved or rolled plate. It can also perform O.D. and I.D. bevels on pipe, including deburring, and can chamfer and countersink holes with a minimum diameter of 1-9/16" (40 mm). Interchangeable bevel milling heads, utilizing indexable carbide inserts, are available for bevel angles of 22.5°, 30°, 37.5°, 45° and 60°. A radius milling head is also available with indexable carbide inserts to radius plate edges with a perfect 2, 3, 4 and 5 mm radius

The **BM18** is equipped with a simple bevel depth adjustment and electronic speed control for use on a variety of materials, including steel and aluminum. The **BM18** is highly efficient for edge weld preparation and for producing radius plate edges for optimal paint and coating adhesion. The compact design makes the **BM18** an excellent tool for many fabrication applications.

FEATURES

- Highly efficient beveling machine – up to 10 times faster than grinding
- Produces no hazardous dust, greatly improving working environment
- Guide plate and roller guides insure consistent, highly accurate bevel angles
- Lightweight ergonomic design reduces worker fatigue
- Variable speed control permits adjustment of milling head for use on various grades of steel and aluminum
- Versatile tool which can be used to bevel or radius mill straight edges, contours and holes
- Ideal solution for radius milling for paint and coating preparation
- Optional anti-abrasion plate and special inserts available for aluminum milling



BM18 Technical Specifications

Power Supply	1 ~ 110-120 V, 50-60 Hz 1 ~ 220-240 V, 50-60 Hz
Spindle Speed (Without Load)	1800-5850 rpm
Maximum Bevel Width (b)	b=1 1/16" (18 mm), Fig. 1
Bevel Angle (β , depending on milling head)	$\beta = 22.5^\circ, 30^\circ, 37.5^\circ, 45^\circ, 50^\circ, 55^\circ, 60^\circ$ (Fig. 1)
Radius Edge Milling	R2, R3, R4, R5, see figure 2
Minimum Material Thickness	1/16" (2 mm)
Minimum Diameter for Countersinking	1-9/16" (40mm)
Dimensions (L x W x H)	23" x 6" x 9-1/2" (585 x 156 x 238 mm)
Weight (Without Milling Head)	22 lbs (10 kg)
Part Numbers	SM-BM18 (120V/50-60Hz) SM-BM18-230 (230V/50-60Hz)
Motor	2200W

Basic set:

- BM18 beveling machine
- Plastic carrying case
- Tool kit set
- Operator's manual

Milling head, roller and inserts sold separately.

Figure 1

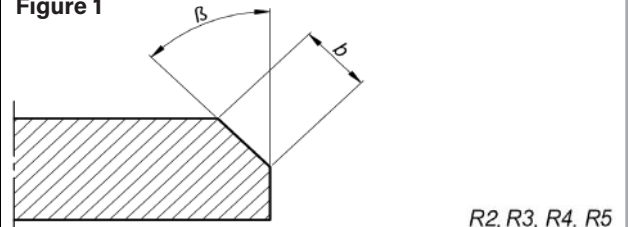
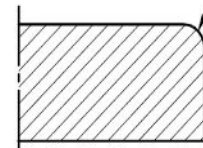


Figure 2



Beveling Accessories to be Chosen by Customer:

SM-GLW-0640-30-01-00-0	Beveling Milling Head 22.5°
SM-GLW-0640-30-02-00-0	Beveling Milling Head 30°
SM-GLW-0640-30-03-00-0	Beveling Milling Head 37.5°
SM-GLW-0640-30-04-00-0	Beveling Milling Head 45°
SM-GLW-0640-30-07-00-0	Beveling Milling Head 60°
SM-PLY-000395	Beveling Insert for Steel (5 Required)
SM-PLY-000195	Beveling Insert for Aluminum (5 Required)
SM-PLY-000735	Beveling Insert for High Tensile Strength Materials (5 Required)
SM-RLK-0640-99-02-00-0	Beveling Roller

Radius Edge Milling Accessories to be Chosen by Customer:

SM-GLW-0640-30-34-00-0	Radius Milling Head
SM-UST-0509-16-00-00-0	Radius Edge Milling Depth Setting Tool
SM-PLY-000737	Radius Insert R2 (4 Required)
SM-PLY-000738	Radius Insert R3 (4 Required)
SM-PLY-000739	Radius Insert R4 (4 Required)
SM-PLY-000740	Radius Insert R5 (4 Required)
SM-RLK-0640-99-03-00-0	Radius Roller

Optional Accessories:

SM-PRV-0509-07-00-00-0	Pipe Beveling Attachment
SM-NKL-0509-05-00-00-0	Anti Abrasion Plate for Aluminum Milling
SM-ZBD-0509-12-00-00-0	Small Workpiece Machining Table

Spare Parts:

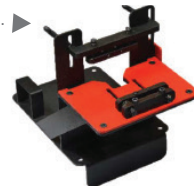
SM-SRB-000289	Insert Set Screw (Radius)
SM-SRB-000290	Insert Set Screw (Beveling)
SM-SMR-000005	Anti Seize Grease (5 g)



RADIUS EDGE
MILLING DEPTH
SETTING TOOL



PIPE BEVELING
ATTACHMENT
ID ≥ 110 MM
OD ≥ 150 MM



SMALL
WORKPIECE
MACHINING TABLE



Steelmax

The tools of innovation.