

PORTABLE BEVELING MACHINE FROM STEELMAX®

BMI16 PORTABLE BEVELER

BEVEL OR RADIUS FLAT, CURVED OR ROLLED PLATE

The Steelmax **BMI16** 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 **BMI16** is equipped with a simple bevel depth adjustment, overload protection and electronic speed control for use on a variety of materials, including steel and aluminum. The **BMI16** is highly efficient for edge weld preparation and for producing radiused plate edges for optimal paint and coating adhesion. The compact design makes the **BMI16** 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



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BMI6 Technical Specifications

Power supply	110-120V/50-60Hz or 220-240V/50-60Hz
Motor	2200W 3.0 HP
Motor speeds (without load)	1800 - 5850 rpm
Maximum bevel width	b=5/8" (16 mm) see figure 1
Bevel angles (β) depending on milling head	22.5, 30, 37.5, 45, 60, degrees
Min. material thickness	1/8" (1.5 mm)
Min. diameter of countersink	ca 1-9/16" (40 mm)
Beveling with radius	R2, R3, R4, R5 see figure 2
Dimensions (L x W x H)	23" x 6.1" x 9.4" (585 x 156 x 238 mm)
Weight (without milling head)	22 lbs (10 kg)
Part numbers	SM-BM16 (110-120V/50-60Hz) SM-BM16-230 (220-240/50-60Hz)

Basic set:

- BM16 beveling machine
- Metal box
- 32 mm flat wrench
- Allen wrench hex s=5
- Allen wrench hex s=14
- Operator's manual

Milling head and inserts sold separately.

Figure 1

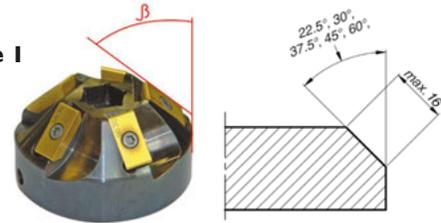
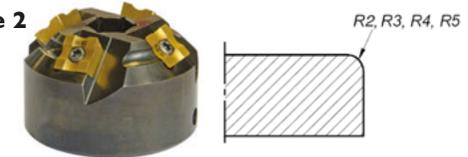


Figure 2



Accessories to be chosen by customer:

SM-GLW-000011	Radius Milling Head W/ Depth Setting Tool
SM-PLY-000360	Radius Insert R2 (4 Required)
SM-PLY-000159	Radius Insert R3 (4 Required)
SM-PLY-000160	Radius Insert R4 (4 Required)
SM-PLY-000161	Radius Insert R5 (4 Required)
SM-UST-0509-16-00-00-0	Radius Edge Milling Depth Setting Tool



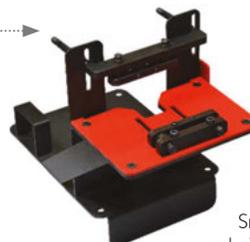
Radius edge milling depth setting tool

SM-GLW-000010	Beveling Milling Head 22.5°
SM-GLW-000005	Beveling Milling Head 30°
SM-GLW-000009	Beveling Milling Head 37.5°
SM-GLW-000006	Beveling Milling Head 45°
SM-GLW-000007	Beveling Milling Head 60°
SM-PLY-000294	Beveling Insert for Steel (5 Required)
SM-PLY-000195	Beveling Insert for Aluminum (5 Required)
SM-NKL-0509-05-00-00-0	Anti-Abrasion Plate for Aluminum Milling



Pipe beveling attachment
ID ≥ 110 mm
OD ≥ 150 mm

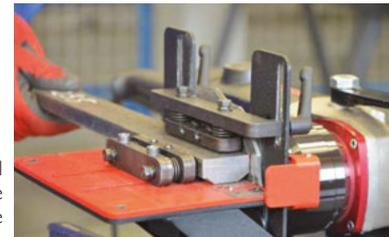
SM-PRW-0509-07-00-00-0	Pipe Beveling Attachment
SM-ZBD-0509-12-00-00-0	Small Workpiece Machining Table



Small workpiece machining table

Spare and wearing parts:

SM-SRB-000289	Mounting Screw for Radius Milling Head
SM-SRB-000290	Mounting Screw for Beveling Milling Head
SM-RLK-0509-03-00-00-0	Guiding Roller



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For ordering and customer service, or to request detailed product information or demonstration videos, contact:

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