The Steelmax BM16 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 BM16 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 BM16 is highly efficient for edge weld preparation and for producing radiused plate edges for optimal paint and coating adhesion. The compact design makes the BM16 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
BM16 Technical Specifications

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

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-0000360 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
- 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-0000294 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
- SM-PRW-0509-07-00-00-0 Pipe Beveling Attachment
- SM-ZBD-0509-12-00-00-0 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

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

877-833-5629  STEELMAX.COM  sales@Steelmax.com  Fax: 303-690-9172