BM-20plus is an easy-to-use, portable heavy-duty machine designed for beveling steel plates and pipes prior to welding.

The machine is fitted with two rotary milling heads, each holding five 4-sided indexable inserts, allowing smooth operation and exceptional efficiency.

BM-20plus has a state of the art electronic motor overload module protecting the operator, the machine and the tooling.

It is equipped with guide rolls, which make it easy and light to operate.

**Features:**
- Portable, heavy-duty machine
- Equipped with guide rolls for easy operation
- Automatic motor overload protection
- Fitted with two milling heads for smooth and efficient operation
- Adjustable bevel angle, 15°-60°

**Applications**
- Max. bevel width 21 mm
- Bevel angles 15°-60° or 0° (option)
- Top beveling
- Facing off (option)
- Round plate beveling (option)
- Pipe beveling OD 150-300 mm (option) OD 260-600 mm (option)
### BM-20plus TECHNICAL SPECIFICATION

<table>
<thead>
<tr>
<th>Power supply</th>
<th>115V/60Hz or 230V/50Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>2.15 HP (1.6 kW) for 50 Hz</td>
</tr>
<tr>
<td></td>
<td>2.41 HP (1.8 kW) for 60 Hz</td>
</tr>
<tr>
<td>Spindle speed</td>
<td>2780–3340 rpm (at 230 V)</td>
</tr>
<tr>
<td></td>
<td>2740–3290 rpm (at 115 V)</td>
</tr>
<tr>
<td>Tooling</td>
<td>Two milling heads with 10 square cutting inserts</td>
</tr>
<tr>
<td>Maximum bevel width (b)</td>
<td>21 mm (13/16&quot;&quot;) [drawing 1]</td>
</tr>
<tr>
<td>Bevel angle (β)</td>
<td>15–60° [drawing 1]; 0° (option)</td>
</tr>
<tr>
<td>Weight</td>
<td>20.5 kg (45 lbs)</td>
</tr>
<tr>
<td>Part number</td>
<td>UKS-0539-10-20-00-0 (230V/50Hz)</td>
</tr>
<tr>
<td></td>
<td>UKS-0539-10-10-00-0 (115V/60Hz)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>β</th>
<th>15°</th>
<th>30°</th>
<th>45°</th>
<th>60°</th>
</tr>
</thead>
<tbody>
<tr>
<td>b</td>
<td>21 mm</td>
<td>20.5 mm</td>
<td>21 mm</td>
<td>20.5 mm</td>
</tr>
</tbody>
</table>

**Cutting Insert** (1 piece), sold 10pcs/box  
Product code: PLY-000282

**Cutting Insert HD** (1 piece), sold 10pcs/box  
Product code: PLY-000591

**Optional accessories:**

- **Facing off attachment (0°)**  
  (enables beveling at zero degree)  
  Product code: ZSP-0075-32-00-00-1

- **Pipe beveling attachments:**
  - 150-300 mm (6"-12")  
    Product code: ZSP-0075-31-00-00-0
  - 260-600 mm (10"-24")  
    Product code: ZSP-0075-31-00-00-1

- **Round plate beveling attachment:**  
  Minimal outer radius R=1000 mm (40")  
  Minimal inner radius R=1000 mm (40")  
  Max bevel width 19 mm  
  Product code: ZSP-0539-10-00-00-0

**Drawing 1**  
Maximum bevel width depending on the angle

**Plate beveling**  
**Plate facing-off (option)**  
**Round plate beveling (option)**  
**Pipe beveling (option)**