

PORTABLE BEVELING MACHINE FROM STEELMAX®

BM20 Plus PORTABLE BEVELER

HEAVY-DUTY TOOL PRODUCES HIGH-QUALITY MACHINED BEVELS

The **Steelmax BM20 Plus** is a portable, heavy-duty hand-operated beveling machine designed to mill accurate high-quality bevels for weld preparation on plate and pipe. Utilizing a rotary milling head and ten four-sided indexable carbide inserts, the **BM20 Plus** will create precise bevel angles that improve fit-up time, eliminate weld defects and reduce welding consumables.

Unlike thermal cutting for weld preparation, the **BM20 Plus** produces no heat-affected zone or distortion of the work piece. This simple-to-operate machine can be carried anywhere and will eliminate costly material handling associated with moving plates around the shop to stationary burning and milling machines.

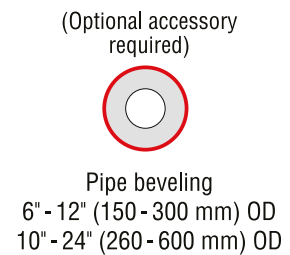
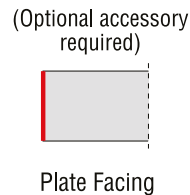
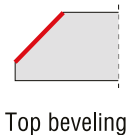
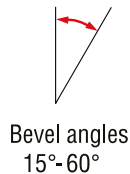
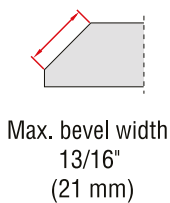
Automatic thermal overload protection circuitry protects the motor from premature failure, providing a reliable tool that can withstand the toughest jobs.

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°

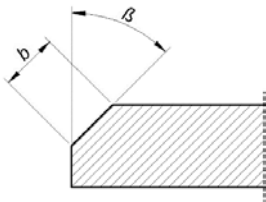
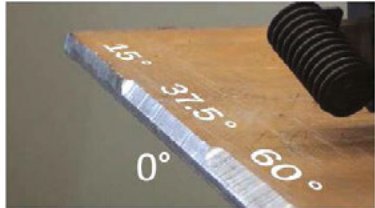


APPLICATIONS



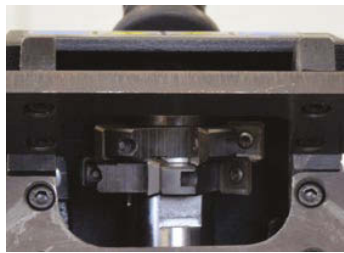
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| BM20 Plus Technical Specifications | |
|------------------------------------|--|
| Power supply | 115V/60Hz or 230V/50Hz |
| Power | 2.41 HP (1.8 kW) for 60 Hz 2.5 HP (1.6 kW) for 50 Hz |
| Spindle speed | 2740 - 3290 rpm (at 115V) 2780 - 3340 rpm (at 230V) |
| Tooling | Two milling heads with 10 square cutting inserts |
| Maximum bevel width (b) | 13/16" (21 mm) (see figure 1) |
| Bevel angle (β) | 15 - 60° (see figure 1); 0° (see facing attachment) |
| Weight | 45 lbs (20.5 kg) |
| Part number | SM-BM20+ (115V/60Hz) SM-BM20+-230 (230V/50Hz) |



| β | 15° | 30° | 45° | 60° |
|---------|-------|---------|-------|---------|
| b | 21 mm | 20.5 mm | 21 mm | 20.5 mm |

Figure 1: Bevel dimensions – maximum achievable bevel width depending on the bevel angle (multiple 1/4" passes)



2 rotary milling heads, each holding five 4-sided indexable inserts

Cutting insert (1 piece)

Part No. SM-PLY-000282
10 inserts required



Plate beveling



Plate facing (option)



Pipe beveling (option)

Optional Accessories:



Pipe beveling attachment
6" - 12" (150 - 300 mm)
Part No. SM-ZSP-0075-31-00-00-0



Large Pipe beveling attachment
10" - 24" (260 - 600 mm)
Part No. SM-ZSP-0075-31-00-00-1



Facing attachment (0°)
enables beveling at zero degrees
Part No. SM-ZSP-0075-32-00-00-1

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

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