

## BM7 MULTIPURPOSE BEVELING TOOL

### BEVEL, DEBURR, CHAMFER & RADIUS EDGES

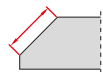
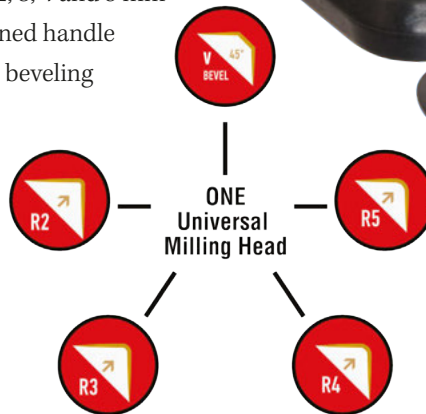
The Steelmax **BM7** is a compact, multipurpose milling tool that can bevel, deburr, chamfer and radius mill edges of plate, pipe, tubes, and holes. The machine can be used on flat, curved and radius cut edges and can countersink holes as small as 1-3/8" (35 mm) diameter. The **BM7** is an efficient solution for quick and consistent beveled edges for weld preparation, rounding off edges for paint and coating preparation, removing burrs and removing sharp edges on workpieces. It is ideal for cleaning out holes and cut outs.

#### BENEFITS

- Increased production. Up to 3x faster than grinding
- Consistent high-quality finish produced by rotary milling process
- Improved safety compared to abrasive grinding wheels which can shatter
- Produces no hazardous dust
- No distortion or heat input to the part.
- Requires no secondary grinding process to remove heat affected zones

#### FEATURES

- Rotary milling head with 4 pcs tool holder for indexable TiN coated carbide inserts
- 45-degree bevel with variable width up to 1/4" (7 mm)
- Radius milling inserts available in sizes 2, 3, 4 and 5 mm
- Compact ergonomic design with cushioned handle
- Special anti-loading inserts available for beveling aluminum and other soft materials
- Optional Anti-Abrasion Guide Plate for smoother operation of aluminum milling



Bevel width up to 7 mm



Radius edge milling R2, R3, R4 or R5



Countersinking Min. ID 1.38" (35 mm)



Top beveling



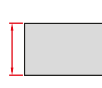
Contour edge beveling & radius milling



Pipe OD beveling



Bevel angles 45° (standard) 30° (optional)



Min plate thickness 1.5 mm



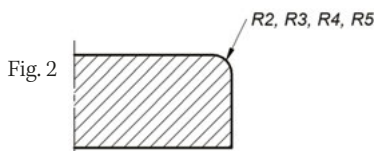
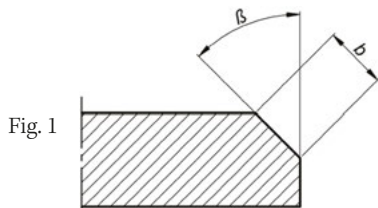
Pipe ID beveling Min. ID 1.57" (40 mm)

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## BM7 Technical Specifications

Power Supply	110-120V, 50-60 Hz or 220-240V, 50-60 Hz
Spindle Speed (Without Load)	6500 rpm
Maximum Bevel Width (b)	0.30" (7mm); Fig.1
Bevel Angle ( $\beta$ , depending on milling head)	45° (standard); 30° (optional); Fig.1
Minimum Diameter for Countersinking	1.38" (35mm)
Dimensions (L x W x H)	13" x 5.6" x 12.5" (327 x 142 x 319 mm)
Weight (Without Milling Head)	13 lbs (5.8 kg)
Part Numbers	SM-BM7 (120V/50-60Hz) SM-BM7-230 (230V/50-60Hz)



Radius edge milling



Contour edge beveling and radius milling



Plate beveling



Pipe beveling



Countersinking

### Standard set includes:

- BM7 beveler including milling head 45° w/o inserts
- Plastic box
- Special wrench
- Torx T15 screwdriver
- Screw grease (5 g)
- Operator's Manual



- SM-UST-0509-16-00-00-0  
Radius positioner  
(R2, R3, R4, R5)

### Accessories:

SM-GLV-0540-08-00-00-0	45° Milling Head for Beveling & Radius Edge Milling
SM-GLV-0540-09-00-00-0	30° Milling Head for Beveling
SM-PLY-000391	Beveling Insert for Steel (4 Required)
SM-PLY-000423	Beveling Insert for Aluminium (4 Required)
SM-NKL-0540-15-00-00-0	Anti-Abrasion Plate for Aluminum Milling
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

### Spare and Wearing Parts:

SM-SRB-000289	Insert Screw
SM-RLK-0540-08-02-00-0	Guiding roller
SM-SMR-000005	Screw grease (5 g)
SM-SCZ-000009	Carbon brush for 115V / 230V

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