

## ■ BM-18A | PNEUMATIC PLATE BEVELLER

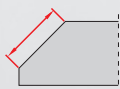
The BM-18A is a new Promotech's plate beveller with a powerful pneumatic motor.

It enables milling straight edges up to 18 mm bevel width, contours, holes from 40 mm in diameter and rounding radius R2, R3, R4, R5.

New hexagonal fixing of milling heads increases beveller durability and makes replacement of the heads more convenient and user-friendly.

### ■ Features & benefits:

- Powerful pneumatic motor
- Maximum 18 mm bevel width (more than one pass could be required)
- New more durable milling heads with hexagonal fixing
- Easy replacement of milling heads
- Beveling milling head is equipped with 5 pcs of 2-sided indexable cutting inserts
- Milling head for rounding is equipped with 4 pcs of 4-sided indexable inserts up to R5



Max. bevel width  
18 mm



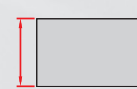
Top beveling



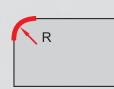
Bevel angles  
22.5°, 30°, 37.5°, 45°,  
50°, 55°, 60°



Countersinking  
Min. ID 40 mm



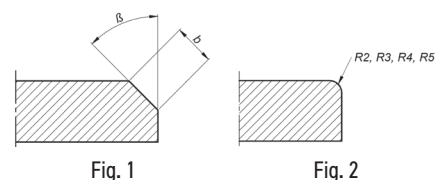
Min. plate thickness  
2 mm



Rounding edges  
(option)  
R2, R3, R4 or R5

## BM-18A TECHNICAL SPECIFICATION

|  |   |
|--|---|
| Spindle speed (without load)                   | 6.000 rpm   |
| Maximum bevel width                            | b=18 mm (Fig.1)   |
| Bevel angle (depending on milling head in use) | $\beta = 22.5^\circ, 30^\circ, 37.5^\circ, 45^\circ, 50^\circ, 55^\circ, 60^\circ$ (Fig. 1) |
| Minimal diameter of countersinking             | ca 40 mm (1.57")  |
| Rounding edges (option)                        | R2, R3, R4, R5 (Fig. 2)   |
| Minimal plate thickness                        | 2 mm  |
| Air requirement                                | 6 bar (0,6MPa) (87 PSI)   |
| Air consumption                                | 1800 L/min , (64 CFM)   |
| Pneumatic drive                                | 2.800 W   |
| Minimum required diameter of supply hose       | 19 mm (3/4")  |
| Weight (without milling head)                  | 9,3 kg  |
| Product Code                                   | UKS-0640-10-00-00   |



Creating a perfect radius on both straight and curved edges



Aluminum beveling



Bevel on holes from 40 mm in diameter

### New design of milling heads with hexagonal fixing:

- increases durability
- more convenient assembly and disassembly of the milling head
- guiding roller is integrated with each milling head
- the clearance between milling head and guiding roller is precisely factory calibrated, thus requires no adjustment by the operator



Beveling milling head      Milling head for rounding

### Basic set:

- BM-18A beveling machine w/o accessories (see list below)
- Handle
- Plastic box
- Lock pin
- 32mm flat wrench
- Grease for mounting screws (5 g, 0.17 oz)
- Allen wrench hex s=6
- Toolbox
- Operator's Manual

### Accessories:

|                     |  |
|---------------------|--|
| GLW-0640-30-01-00-0 | Beveling milling head 22.5° (5 cutting inserts required) |
| GLW-0640-30-02-00-0 | Beveling milling head 30° (5 cutting inserts required)   |
| GLW-0640-30-03-00-0 | Beveling milling head 37.5° (5 cutting inserts required) |
| GLW-0640-30-04-00-0 | Beveling milling head 45° (5 cutting inserts required)   |
| GLW-0640-30-05-00-0 | Beveling milling head 50° (5 cutting inserts required)   |
| GLW-0640-30-06-00-0 | Beveling milling head 55° (5 cutting inserts required)   |
| GLW-0640-30-07-00-0 | Beveling milling head 60° (5 cutting inserts required)   |
| PLY-000395          | Cutting insert for steel (sold 10 pcs/box)               |
| PLY-000195          | Cutting insert for aluminum (sold 10 pcs/box)            |
| GLW-0640-30-34-00-0 | Milling head for rounding (4 cutting inserts required)   |
| PLY-000360          | Cutting insert R2 (sold 10 pcs/box)                      |
| PLY-000159          | Cutting insert R3 (sold 10 pcs/box)                      |
| PLY-000160          | Cutting insert R4 (sold 10 pcs/box)                      |
| PLY-000161          | Cutting insert R5 (sold 10 pcs/box)                      |
| UST-0509-16-00-00-0 | Radius insert positioner                                 |
| ZST-000021          | Air preparation unit                                     |

### Spare and consumable parts:

|                     |   |
|---------------------|---|
| SRB-000289          | Insert Screw (Radius)                             |
| SRB-000290          | Insert Screw (Beveling)                           |
| SMR-000005          | Screw grease (5 g)                                |
| RLK-0640-99-02-00-0 | Beveling roller                                   |
| RLK-0640-99-03-00-0 | Radius roller                                     |
| NKL-0640-07-00-00-0 | Sticker against scratches (for aluminum beveling) |
| WBJ-000002          | Lock pin  |

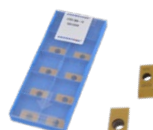


NKL-0640-07-00-00-0

UST-0509-16-00-00-0



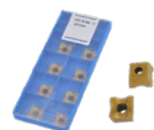
Air preparation unit ZST-000021 is strongly recommended for all applications.



PLY-000395



PLY-000195



PLY-000161

