



UNDERSIDE PLATE BEVELLING MACHINE - KBM-28U®



KBM-28U®

KBM-28U® Underside Plate Edge Beveller - Heavy Duty

These Plate Bevelers produce clean machined bevels with no thermal distortion on mild steel, stainless steel and aluminum plate from 5/16" (8.0 mm) to 2" (50.0 mm) thick. The KBM-28U® bevels the underside of the plate eliminating the need to flip the workpiece which results in a reduction of time and cost. Savings are further enhanced when both topside and underside units are used when both sides of a work piece require beveling.

Adjustable undercarriages for easy height adjustment. The KBM-28U® units can be purchased with Gullco's hydraulic adjustable height, self-aligning undercarriage for self-propelled beveling along any length of plate maintaining a uniform bevel and consistent root face. Sold separate

Bevel Angle Adjustment Pins...

KBM-28U® units are supplied with angle bevel pins for 22 1/2°, 30°, 37 1/2°, 45° and 55° bevels. Pins for other bevel angles are available upon request.

| | |
|--|--|
| KBM-28U ® | KBM-28 ® |
| <i>... bevelling the under-side of plate</i> | <i>... bevelling the top-side of plate</i> |

Operates at 6.5 feet (2 meters) per minute

WITH ADJUSTABLE BEVELLING HEAD TO PRODUCE BEVEL ANGLES 22 1/2° THROUGH 55°





KBM-28-080

HYDRAULIC ADJUSTABLE UNDERCARRIAGE

For easy height adjustment KBM-28U® units can be supplied with an undercarriage. This undercarriage uses Gullco exclusive self-aligning caster wheel assemblies for self-propelled bevelling along the length of the plate, maintaining a uniform bevel and consistent root face. Undercarriage sold separate.

KBM-28-100

The KBM-28® is perfect for bevelling the topside of the plate without need for flipping the work piece over. In combination with the KBM-28U® efficiency is greatly increased when bevelling both the top and bottom of the plate.



| | |
|-----------------------|--|
| Maximum Bevel Width: | 1.10" (28.00 mm) at standard 30° bevel angle on material with a tensile strength of 64,000 lb/in ² (45 Kg/mm ²) |
| Maximum Bevel Depth: | 0.95" (24.2 mm) at standard 30° bevel angle on material with a tensile strength of 64,000 lb/in ² (45 Kg/mm ²) |
| Min. Plate Thickness: | 5/16" (8.0 mm) |
| Max. Plate Thickness: | 2" (50.0 mm) |
| Bevel Speed: | 78.7" (200 cm) per minute* |
| Motor: | 3 HP, 3 phase, available for 230, 460 and 575V~ at 60Hz and also 380 and 400/415V~ at 50Hz supply |
| Weight: | 890 lbs. (404Kg.) including undercarriage assembly |
| Complies With: | C.S.A./N.R.T.L. (File # LR 35006-6) and C.E. Regulations |

* Top speed can vary depending on bevel depth, voltage and frequency fluctuation

KBM-28U® comes complete with the following standard equipment:

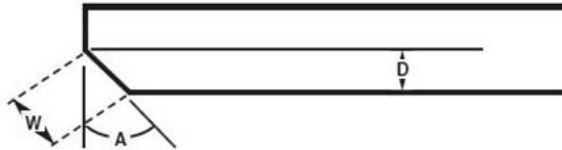
- 1- KBM-28-X1C Cutter (medium cut)
- 1- Set Bevel Angle Pins for 22 1/2°, 30°, 37 1/2°, 45° and 55°
- 1- Tool Kit



Accessories available:

- KBM-28-X1C: Medium Tooth Cutter (smooth finish)
- KBM-28-X1H: HighTensile Cutter
- GBM-28 (Specify Degree Required): Angle Bevel Pins for angles other than those supplied as standard
- GBM-28-0.5: Cutter Shims
- GBM-28-1.0: Cutter Shims
- KBM-28-080: Hydraulic Undercarriage
- KBM-28-002: Adjustable Undercarriage

MAXIMUM RECOMMENDED BEVELLING CAPACITIES



| BEVEL ANGLE | TENSILE STRENGTH | | | | | |
|-------------|---|-----------------|---|-----------------|---|-----------------|
| | 64,000 lbs/in ² (45 kg/mm ²) | | 71,000 lbs/in ² (50 kg/mm ²) | | 85,000 lbs/in ² (60 kg/mm ²) | |
| A | W | D | W | D | W | D |
| 22 1/2° | 1.10" (28 mm) | 1.02" (26 mm) | 1.02" (26 mm) | 0.95" (24 mm) | 0.91" (23 mm) | 0.84" (21.2 mm) |
| 30° | 1.10" (28 mm) | 0.98" (25 mm) | 0.98" (25 mm) | 0.85" (21.7 mm) | 0.89" (22.5 mm) | 0.77" (19.5 mm) |
| 37 1/2° | 1.06" (27 mm) | 0.84" (21.2 mm) | 0.98" (25 mm) | 0.78" (19.8 mm) | 0.83" (21 mm) | 0.66" (16.7 mm) |
| 45° | 1.02" (26 mm) | 0.72" (18.4 mm) | 0.94" (24 mm) | 0.67" (17 mm) | 0.83" (21 mm) | 0.58" (14.8 mm) |
| 55° | 0.98" (25 mm) | 0.56" (14.3 mm) | 0.91" (23 mm) | 0.52" (13.2 mm) | 0.83" (21 mm) | 0.47" (12 mm) |



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