



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.

<b>KBM-28U</b> ®	<b>KBM-28</b> ®
<i>... beveling the under-side of plate</i>	<i>... beveling 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/in2 (45 Kg/mm2)
Maximum Bevel Depth:	0.95" (24.2 mm) at standard 30° bevel angle on material with a tensile strength of 64,000 lb/in2 (45 Kg/mm2)
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:

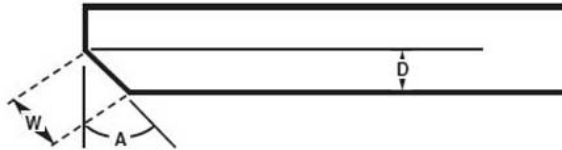
- 1- KBM-28-X1C Cutter (medium cut)
- 1- Set Bevel Angle Pins for 22 1/2°, 30°, 37 1/2°, 45° and 55°
- 1- Tool Kit



Accessories available:

- KBM-28-X1C: Medium Tooth Cutter (smooth finish)
- KBM-28-X1H: High Tensile 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 <sup>2</sup> (45 kg/mm <sup>2</sup> )		71,000 lbs/in <sup>2</sup> (50 kg/mm <sup>2</sup> )		85,000 lbs/in <sup>2</sup> (60 kg/mm <sup>2</sup> )	
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" (21.3 mm)
30°	1.10" (28 mm)	0.95" (24.2 mm)	0.98" (25 mm)	0.85" (21.6 mm)	0.89" (22.5 mm)	0.77" (19.5 mm)
37 1/2°	1.06" (27 mm)	0.84" (21.4 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" (14.9 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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