

UNDERSIDE PLATE BEVELLING MACHINES - KBM-18U®



KBM-18U®

These plate bevellers produce clean machined bevels with no thermal distortion on mild steel, stainless steel and aluminum plate from 1/4" (6.0 mm) to 1 1/2" (38.1 mm) thick. Thinner material can be bevelled. Please consult the factory for details. The KBM-18U® automatically bevels the underside of plate eliminating the need to flip the work piece which results in a reduction of time and cost. Savings are further enhanced when the KBM-18® top-side plate beveler is used in applications where both sides of the material require beveling.

Adjustable undercarriage for easy height adjustment. The KBM-18U® can be purchased with a hydraulic adjustable height, self-aligning, spring-loaded caster wheel assembly for self-propelled beveling along any length of plate maintaining a uniform bevel and consistent root face.

Angle Bevel Pins Enable Bevel Angle Adjustment ... KBM-18U® units are supplied with angle bevel pin for 30°. 22 1/2°, 37 1/2°, 45° and 55° bevels angle pins sold separately. Pins for other bevel angles are available upon request.

**KBM-18U®**

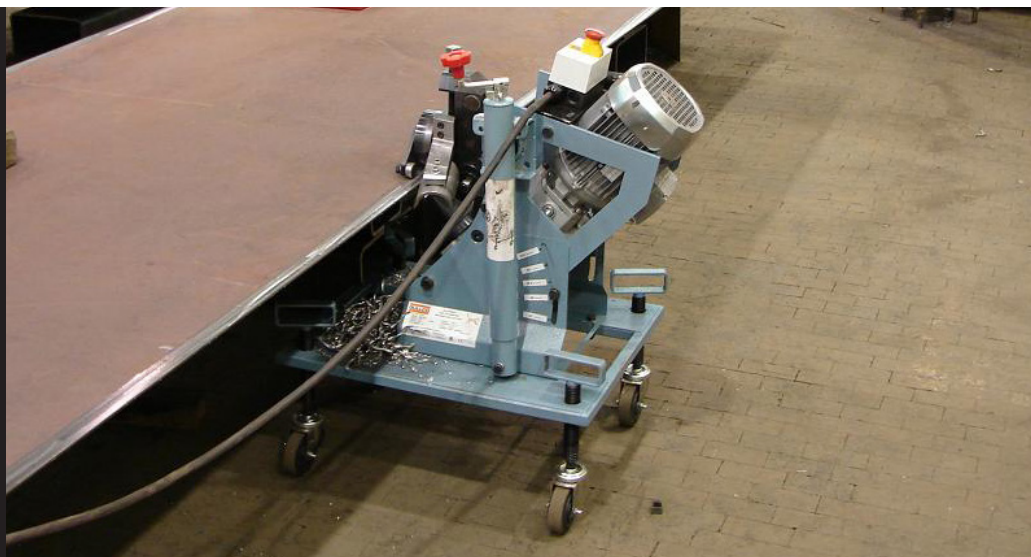
**KBM-18®**

...beveling the under-side of the plate

...beveling the top-side of the plate

*Operates at 10 feet (3 meters) per minute*

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

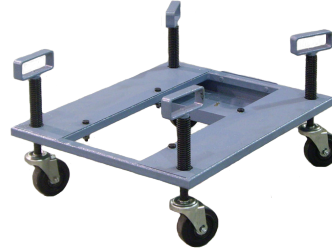




KBM-18-080

**HYDRAULIC ADJUSTABLE UNDERCARRIAGE**

For easy height adjustment KBM-18U® units can be supplied with two types of undercarriage. both are supplied with gullco exclusive self-aligning caster wheel assemblies to maintaining a uniform bevel and consistent root face. undercarriage sold separate



KBM-18-069

**CASTER SPRING LOADED ADJUSTABLE UNDERCARRIAGE**

Adjustable undercarriages come with gullco's adjustable height, self-aligning spring loaded, caster wheel assemblies for self-propelled operation. best suited for applications where constant machine height is required. The spring-loaded wheels help to eliminate imperfections in the ground to ensure a clean consistent bevel. Sold separate.

<b>Maximum Bevel Width:</b>	0.71" (18.00 mm) at standard 30° bevel angle on material with a tensile strength of 64,000 lb/ in <sup>2</sup> (45 kg/mm <sup>2</sup> )
<b>Maximum Bevel Depth:</b>	0.61" (15.6 mm) at standard 30° bevel angle on material with a tensile strength of 64,000 lb/ in <sup>2</sup> (45 kg/mm <sup>2</sup> )
<b>Min. Plate Thickness:</b>	1/4" (6.0mm) Thinner material can be bevelled, consult the factory for details
<b>Max. Plate Thickness:</b>	1 1/2" (38.1 mm)
<b>Bevel Speed:</b>	120 in. (304.8 cm) per minute*
<b>Motor:</b>	2 hP, 3 Phase, available for 230, 460 and 575v~ at 60hz and also 380 and 400/415v~ at 50hz supply
<b>Weight:</b>	340 lbs. (154 kg.) including undercarriage assembly
<b>Complies With:</b>	C.S.A./n.r.T.I. (File # Ir 35006-6) and C.E. regulations

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

KBM-18U® can be supplied with the following standard equipment:

- 1- KBM-18-X1C Deep Tooth Cutter (medium cut)
- 1- Set Bevel Angle Pins for 22 1/2°, 37 1/2°, 45° and 55°
- 1- Tool Kit

**KBM-18® TOPSIDE BEVELLER**

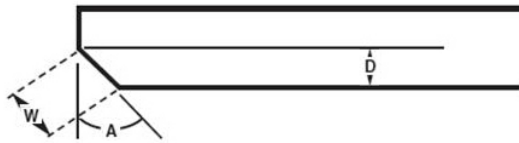
The KBM-18® is perfect for bevelling the topside of the plate without need for flipping the work piece over. Safety is increased as there is no need for constant maneuvering of heavy workloads. Production can further be increased with use of both models simultaneously.



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- KBM-18-069 Adjustable Height Undercarriage
- KBM-18-X1C: Medium Tooth Cutter (smooth finish)
- KBM-18-X1H: high Tensile cutter
- GBM-18 (Specify degree required): Angle bevel Pins for angles other than those supplied as standard)
- GBM-18-0.5: Cutter Shims
- GBM-18-1.0: Cutter Shims

**MAXIMUM RECOMMENDED BEVELLING CAPACITY**



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°	0.71" (18 mm)	0.66" (16.6 mm)	0.67" (17 mm)	0.62" (15.7 mm)	0.55" (14 mm)	0.51" (13 mm)
30°	0.71" (18 mm)	0.61" (15.6 mm)	0.59" (15 mm)	0.51" (13 mm)	0.51" (13 mm)	0.44" (11.2 mm)
37 1/2°	0.67" (17 mm)	0.53" (13.5 mm)	0.55" (14 mm)	0.44" (11.1 mm)	0.47" (11.9 mm)	0.37" (9.5 mm)
45°	0.67" (17 mm)	0.47" (12 mm)	0.55" (14 mm)	0.39" (9.9 mm)	0.47" (11.9 mm)	0.33" (8.4 mm)
55°	0.59" (15 mm)	0.34" (8.6 mm)	0.55" (14 mm)	0.32" (8 mm)	0.47" (11.9 mm)	0.27" (6.8 mm)



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