

GULLCO**GULLCO INTERNATIONAL**
WELDING AND CUTTING AUTOMATION

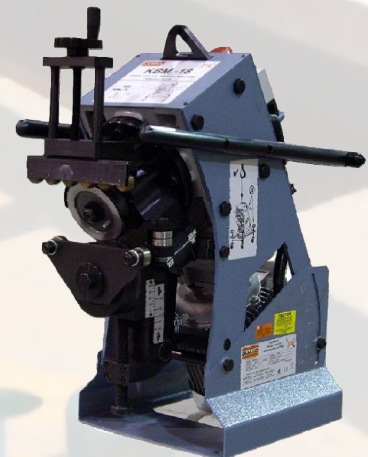
WELDING AND CUTTING AUTOMATION

KBM® PLATE BEVELER

PRODUCTIVITY – DURABILITY – SERVICE

The Gullco KBM® is used throughout the world to automate the plate beveling process. The KBM® is durable with many features which include:

- ✓ Up to 4m per minute bevel speed
- ✓ Bevels Mild Steel, Stainless Steel & Aluminum
- ✓ Most robust motor gearbox in the industry
- ✓ Energy Efficient Operation
- ✓ Self-aligning, spring-loaded caster wheel assemblies
- ✓ Hydraulic undercarriage allows beveler to meet all standard bench heights quickly and easily
- ✓ Hoisting hook for portability and transport
- ✓ Produces clean bevels which are immediately ready to weld



**THE MOST DURABLE,
DYNAMIC, AND VERSATILE
PLATE BEVELER IN THE INDUSTRY**

KBM® BEVELERS

FEATURE RICH ENGINEERED DESIGN



**HIGH SPEED UP TO
4M PER MIN***



**QUIET
OPERATION**



NO HEAT AFFECTED ZONE
Zero heat transfer into material,
eliminating distortion.

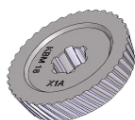


NO VIBRATION OPERATION
Removes operator fatigue and
improves workplace safety



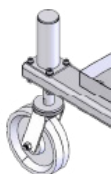
✓ **EXCEPTIONAL MOTOR GEARBOX**

Class leading, high quality heavy
duty gear-motor



✓ **DURABLE CUTTER**

Superior cutter properties due to
extensive research and engineering
proven over years of industry use.



✓ **CASTER SPRING LOADED WHEEL ASSEMBLIES**

The spring loaded caster wheel
assemblies allow for smooth
positioning and beveler operation
on uneven surfaces



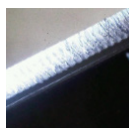
✓ **HYDRAULIC UNDERCARRIAGE**

Setting and adjusting the height of the
beveler is quick and uniform, cutting down
on material handling cost by being able to
bring the beveler to the workpiece



✓ **VARIETY OF BEVEL ANGLES**

Angle bevel pins for 30°, 22 ½°, 37 ½°, 45°
and 55°. Other bevel angles available
upon request.



✓ **CONSISTENT RELIABLE BEVEL**

Constant bevel angle and root face are
maintained throughout the bevel

— REVERSIBLE & CONVERTIBLE CONVENIENCE —

KBM® BEVELER

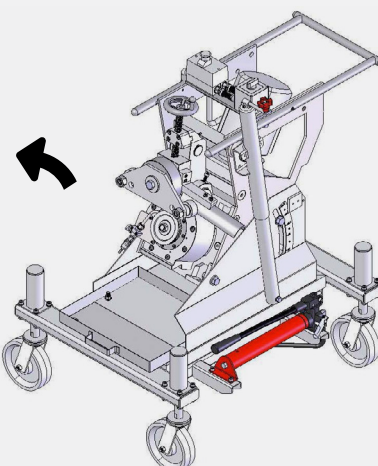
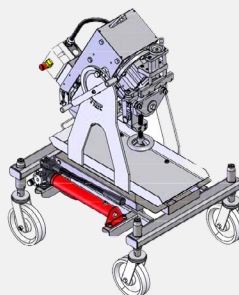
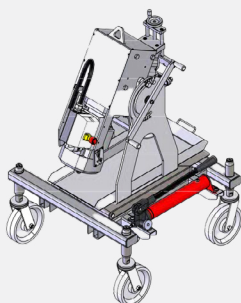
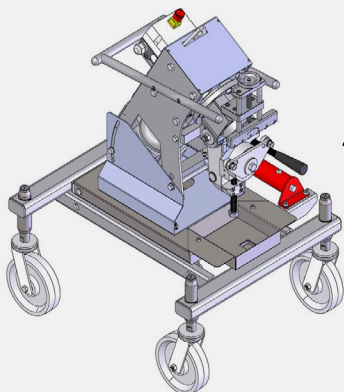
For high speed beveling of the
topside of the plate.

KBM-R REVERSIBLE UNDERCARRIAGE & CONVERSION KIT

Convert existing bevelers into a reversible beveler
capable of beveling the top and bottom of the plate.

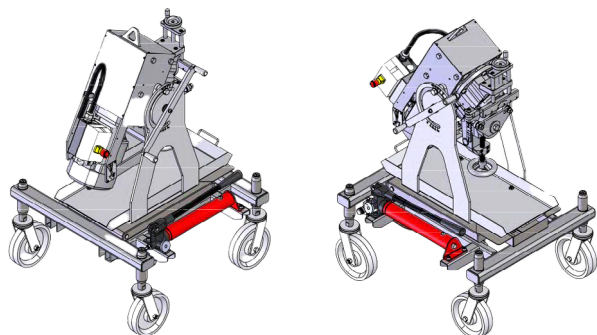
KBM®U UNDERSIDE BEVELERS

Perfect for high speed beveling of the
underside of the plate without the need
for flipping the work piece over. In
combination with the KBM® efficiency
is greatly increased when beveling both
the top and bottom of the plate.



KBM®R REVERSIBLE UNDERCARRIAGE

Bevel both top and bottom of the plate with one reversible beveling machine. Lockable pivot system allows the beveler to work on the top or bottom side of the plate, reducing material handling providing increased productivity and cost savings in applications which require two sided beveling.

**ACCESSORIES AVAILABLE:**

- KBM®R: Reversible Undercarriage Conversion Kit
- Hydraulic Undercarriage
- 3 Cutter types available for different material densities
- Angle bevel pins for standard bevel angles (custom angles available)
- Narrow clamp roller assembly (for narrow material)
- Slide base kit (for thick material)
- Adjustable plate support for improved feeding
- Air jet assembly (Eliminates chip congestion around cutter)
- Toolbox
- Chip collection tray

KBM-18 SPECIFICATIONS

- Maximum Bevel Width:** 0.71" (18.00 mm) at standard 30° bevel angle on material with a tensile strength of 64,000 lb/in² (45 Kg/mm²)
- Maximum Bevel Depth:** 0.61" (15.6 mm) at standard 30° bevel angle on material with a tensile strength of 64,000 lb/in² (45 Kg/mm²)
- Min. Plate Thickness:** 1/4" (6.0mm) Thinner material can be beveled, consult the factory for details
- Max. Plate Thickness:** 1.45" (37mm)
- Bevel Speed:** 156" (400 cm) per minute*
- Motor:** 2HP, 3 Phase, available for 230, 460 and 575V~ at 60Hz and also 380 and 400/415V~ at 50Hz supply
- Weight:** 340 lbs. (154Kg.) including undercarriage assembly

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

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

1- KBM-18-XIC Mild Steel Cutter | 1- set Bevel Angle Pins for 22 1/2°, 30°, 37 1/2°, 45° and 55° | 1- Tool Kit

**KBM-28 SPECIFICATIONS**

- 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:** 1.96" (50mm) Thicker material can be accommodated with optional slide base kit
- Bevel Speed:** 78.7" (200 cm) per minute*
- Motor:** 3HP, 3 phase, available for 230, 460 and 575V~ at 60Hz and also 380 and 400/415V~ at 50Hz supply
- Weight:** 979 lbs. (444Kg.) including undercarriage assembly

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

✓ **KBM-28® can be supplied with the following standard equipment:**

1- KBM-28-XIC Mild Steel Cutter | 1- Set Bevel Angle Pins for 22 1/2°, 30°, 37 1/2°, 45° and 55° | 1- Tool Kit

ACCESSORIES AVAILABLE:

- KBM-28-XIC: Medium Tooth Cutter (smooth finish)
- KBM-28-XIH: 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-18-080 HYDRAULIC ADJUSTABLE UNDERCARRIAGE



For easy height adjustment KBM-18® 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.

KBM-28-080 HYDRAULIC ADJUSTABLE UNDERCARRIAGE

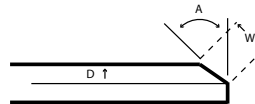


For easy height adjustment KBM-28® units can be supplied with two types of undercarriages. Both are supplied with Gullco exclusive self-aligning caster wheel assemblies for self-propelled bevelling along the length of the plate, maintaining a uniform bevel and consistent root face. Undercarriage sold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

MAXIMUM RECOMMENDED BEVELING CAPACITIES

MAXIMUM RECOMMENDED BEVELING CAPACITIES KBM-18-100 | KBM-18-069

KBM-18-100
KBM-18-069



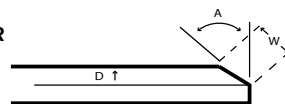
BEVEL ANGLE	TENSILE STRENGTH					
	64,000 lbs/in ² (45 kg/mm ²)		71,000 lbs/in ² (50 kg/mm ²)		85,000 lbs/in ² (60 kg/mm ²)	
A	W	D	W	D	W	D
22 1/2°	0.71" (18 mm)	0.66" (16.6 mm)	0.67" (17 mm)	0.62" (15.7 mm)	0.55" (14 mm)	0.51" (13 mm)
30°	0.71" (18 mm)	0.61" (15.6 mm)	0.59" (15 mm)	0.51" (13 mm)	0.51" (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)



KBM-18-100
KBM-18-069

MAXIMUM RECOMMENDED BEVELING CAPACITIES KBM-18-100 | KBM-18-069

KBM-28U® UNDERSIDE BEVELLER



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" (21.3 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)



KBM-28

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. ALL DIMENSIONS ARE NORMAL.

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