

PLATE EDGE BEVELLING MACHINE - KBM®80



Adjustable bevel angle between 15° - 77°

Durable hardned steel frame

Motorized feeding with two polyurethane wheels

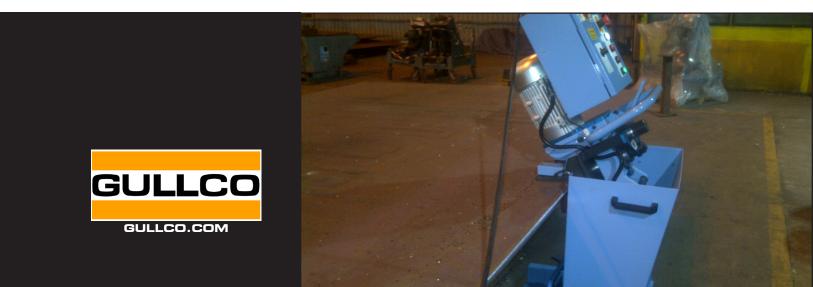
Trolley complete with height adjustment, chip deflection, chip box, and swivel wheels with brake

These plate bevellers produce clean milling style bevels with no thermal distortion on mild steel, stainless steel, titanium and aluminum plate.

The KBM®80 automatically bevels the topside of the plate which results in a reduction of time and cost. The KBM®80 is ideal for a variety of metal fabrication industries including: tanks, silos, pipes and pipelines, cranes, digging machines, railcar manufacturing, shipyards and windtowers.

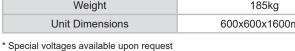
KBM-80

Produces milled quality bevels at 1 meter per minute
WITHADJUSTABLE BEVELLING HEAD TO PRODUCE BEVELANGLES 15° TO 77°



SPECIFICATIONS

Milling Cutter Motor Power	230/400*, 4Kw, 50/60 Hz, 4 pols						
Feed Motor Power	0.6 Kw						
Bevel Adjustment	5-30mm width (diagonal 50mm)						
Milling Cutter Diameter	80mm						
Plate Thickness	8mm - 100mm						
Bevel Angle	15°-77°						
Bevel Speed	0-1m/min						
Height Adjustment	200mm						
Weight	185kg						
Unit Dimensions	600x600x1600mm						





MAX ACHIEVABLE BEVEL AT START WITH ONE PASS

Angle	15°	30°	45°	60°	75°		
Bevel Length	27mm	15.5mm	13.4mm	15.5mm	24.5mm		
Run Depth	6.7mm	6.7mm	6.7mm	6.7mm	6mm		

MAX ACHIEVABLE BEVEL AT START WITH MULTIPLE PASSES

Angle	15°	15° 30°		60°	75°		
Bevel Length	53.4mm	56.5mm	59.6mm	54.9mm	66.6mm		

RECOMMENDED BEVELLING CAPACITIES

MATERIAL	TYPE		15°		30°		45°		60°			70				
WATERIAL	TTPE	L	S	V	L	S	٧	L	S	٧	L	S	٧	L	S	V
Steel R<450 N/mm²	C15, C16	41.3	3.6	75.7	28.5	5.6	75.2	26.4	6.5	77	28.5	5.6	75.2	28.5	5.6	75.2
Steel R<550 N/mm²	Fe52, C45	40.6	3.4	69.3	27.7	5.3	69.3	25.5	6	69.3	27.7	5.3	69.3	27.7	5.3	69.3
Steel R<900 N/mm²	35NiCrMo6	38.3	2.8	55.8	25.5	4.3	53.4	23.3	5	54.8	25.5	4.3	53.4	66	2.7	86.7
Stainless Steel	AISI 304	38.7	3	57.8	26	4.5	58	24	5.3	59.5	26	4.5	58	66	2.7	93
Stainless Steel	AISI 316	36.9	2.5	48.4	24.5	3.9	47.7	22.2	4.4	47	24.5	3.9	47.7	66	2.7	89.4

Legend: L - Achievable Bevel Length (mm)

S - Run Depth (mm)

V - Chip Volume Produced

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