GERIMA

world of beveling



SMA 40 BER

THE NEW GENERATION OF MOBILE EDGE MILLING MACHINES WITH GERIMA BOOSTER- AND SPRING TECHNOLOGY

type of bevel	α = 0°-80°	C up to 16 mm	r = 1,2-8 mm	on					type of beveling

NEW! BOOSTER-Technology
enables increased productivity through 30%-80% higher material removal while at the same time reducing vibrations.

Spring technology 2.0
even more functional, safe working, easier positioning on the workpiece edge, significantly less maintenance operating and high user friendliness.

Less vibrations
longer operating times of the machine and indexable inserts reduce the costs per meter and improve working conditions for the worker.

NEW! Ergonomic handle made of plastic.

Electronics-package with speed control, electrical safety shutdown, restart protection and soft start.

Milling head quick-change system 2.0
with torque transmission makes handeling easier when changing the milling head both with the proven standard milling heads and with the new high-performance milling heads. This ensures that work is even more efficient.



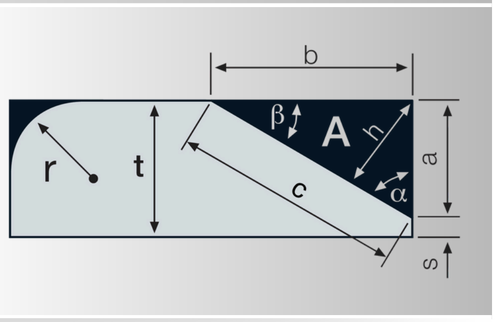
▶ Area of application

Processing of medium-sized and large bevels up to 16 mm bevel width on straight edges and contours fpr weld preparation. Processing od radii from 1.2 to 8 mm to prepare paintwork and coatings or to reduce the notch effect when components are subjected to high dynamic loads. Processing of optical bevels or functional edges. With the integrated speed control versatile for the processing of different materials (steel, stainless steel, non-ferrous metals, plastic).

▶ Industry

Mechanical engineering, steel construction, bridge construction, shipbuilding, crane construction, apparatus contruction, container construction, locomotive and wagon construction, contract manufacturing, processing services.

▶ Technical specifications

adjustment range	*a*	*15 mm*
bevel width	*C*	*up to 16 mm **
bevel angle	*α*	*0°-80°*
radius	*r*	*1,2-8 mm*
equipping	*Z*	*3x2 indexable insert*
power	*P*	*1.750 W*
speed	*n*	*2.000-7.600 min-1*
weight	*G*	*6,7 kg*
voltage	*V*	*230 V*
leg length	*b*	
opposite angle	*ß*	
bevel height	*h*	
bevel size	*A*	
land width	*s*	

* on soft materials

The bevel widths depend on the material and bevel angle.

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CONSUMABLES AND ACCESSORIES

▶ Milling heads and guide rolls

As standard, milling heads with 3 x 2 cutting edges in the angular ranges from 0° to 80° and radii from 1.2 mm to 8 mm are available (other milling heads for other angles, radii and special milling heads on request.

For each milling head (bevel, radius), specially coordinated guide rollers are offered. These guide rollers also enable the machining of inner and outer contours and boreholes.

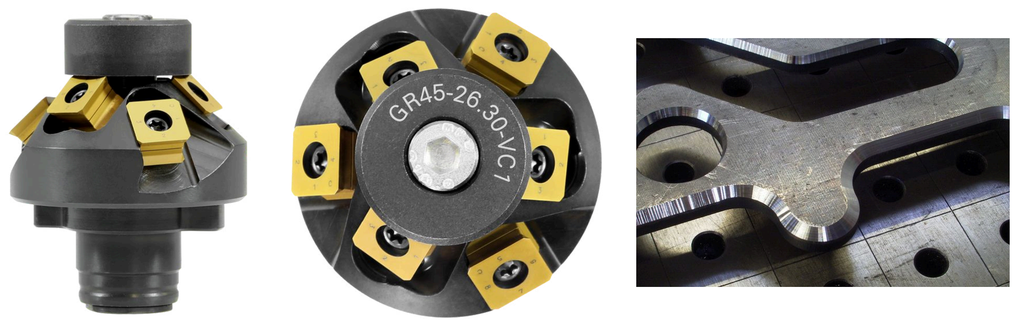


fig. 45°-bevel-milling head with 3 x 2 cutting edges and guide roller, equipping with 6 bevel-indexable inserts of type K



fig. 45°-radius-milling head with 3 x 2 cutting edges and guide roller, equipped with 3 x 3 mm-radius-indexable inserts of type R-K

▶ Carbide inserts for bevels and radii

Indexable inserts are offered as atandard with different coatings for machining a wide varity of materials:

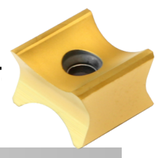
- for plastics and non-ferrous metals (e.g. aluminum, copper, brass)
- for steel and soft stainless steels (V2A)
- for hard steels, fine grain steels or higher-alloyed stainless steels
- other indexable insert types and designs for special applications on request

Indexable inserts for bevel, can be used 8 times

type K 

bevel	*bis 16 mm*
type	*K*
cutting edges per insert	*8*

Indexable inserts fpr radii, depending on type, can be used 4, 8 or 16 times

type R-K  type R-K  type R-F 

radius	*1,2 / 2*	*2,5 / 3 / 4 / 5 / 6*	*8*
type	*R-K*	*R-K*	*R-F*
cutting edges per insert	*16*	*8*	*4*

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