TOOLS FOR GRINDING AND CUTTING

KARL SCHUPP AG

CONDUCT – PROTECT – INSULATE



We offer electroplated and sintered special diamond tools as well as special cutting and grinding tools for the following industrial sectors:

- **Electric motor industry**
- **Material and material testing laboratories**
- **Track, superstructure and rail construction**
- **Asphalt, natural stone, concrete and refractory industry**
- **Metal processing industry**
- **Plastic-ceramic-quartz-glass brake pad industry**

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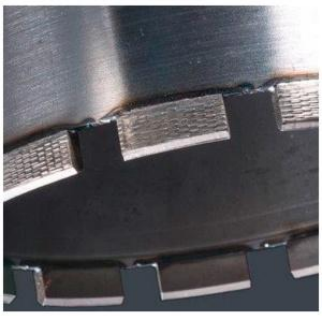
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Diamond tools



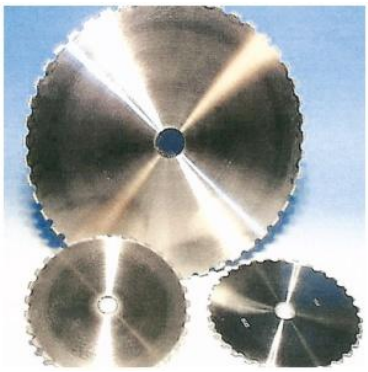
Speed-Power-Diamond tools for the

Concrete and asphalt drilling and sawing industry

Natural stone industry

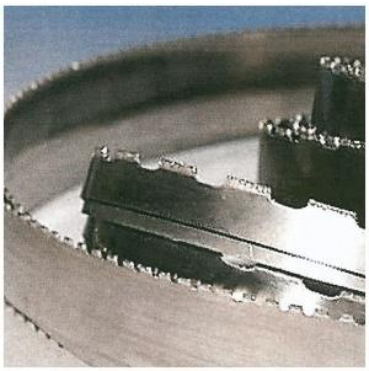
Refractory industry

Material testing laboratory



Galvanic cut-off wheels for:

> Quartz glass
> Glass
> Carbon materials
> Brake pads
> GRP
> El. printed circuit boards
> Carbide " Ceramic



Galvanic band saw blades for:

> Quartz glass
> GRP
> Carbon materials Brake pads
> Building materials
> Natural stone / Sand-lime brick
> Tungsten carbide
> Ceramic



Galvanic milling disks for:

> Quartz glass
> GRP
> Carbon materials
> Brake pads
> Plaster trimmers for dental technology
> Refractory products



Galvanic face plates for:

> Quartz glass
> GRP
> Carbon materials
> Berm linings
> Plaster trimmer for dental technology
> Carbide
> Ceramics
> Refractory Products



Very thin sintered cut-off wheels for:

> Glass
> Ceramics
> Quartz glass
> Refractory products
> Metallic materials
> for dental laboratories / dental technology



Very thin mechanical cut-off wheels for:

> Gemstone
> Ceramics
> Marble
> Glass
> Fiber-reinforced concrete
> Internit
> Carbide
> Refractory Products



Galvanic grinding wheels for

> Quartz glass
> GRP
> Plastic
> Brake pads
> Ceramics
> Glass
> Carbide
> Refractory Products



Galvanic profile washers for

> Quartz glass
> GRP
> Plastic
> Brake pads
> Ceramics
> Glass
> Carbide
> Refractory Products

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Track superstructure tools

High-performance rail cutting and grinding tools for track superstructures



Cup grinding wheels

Dimensions:

100 x 85 x 20 mm
100 x 110 x M 20
100 x 110 x 22.2 mm
110/90 x 55 x 22.2 mm



Rail head grinding cylinder

Dimensions:

125 x 65 x M 20
125 x 60 x 4xM 8 thread
150 x 65 x M 20
150 x 65 x 5/8 inch thread



Rail cut-off wheels

Dimensions:

300 x 3.6 x 22.2 mm
350 x 4.0 x 22.2 mm
400 x 4.2 x 22.2 mm



Deburring grinding wheels

Dimensions:

255 x 32 x 25.4/1x153x12 mm
260 x 25 x 120 mm
260 x 15 x 120 mm
230 x 23 x 22.2 mm
Special dimensions

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Wind power plants - Hydropower plants

Cleaning stones for linear and rotary power transmission in industry

Dimensions and geometries according to customer requirements



Cleaning stones for current collector rails of load cranes



Cleaning stones for slip rings in electric motors of wind and hydroelectric power plants



Cleaning stones for industrial cranes and cargo cranes



Slip ring in the electric motor of wind turbines

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Collector grindstones

Highly efficient silicon whetstones for the regular maintenance of copper collectors

	**Standard versions:** **> DB bow handle** **> DB double bow handle** **> File handle** **> Streetcar handle with long style** **> Straight bar handle with two stones** **> Angled bar handle with two stones** **> Brush shape** **Complete overview of whetstones especially for Winding Technology Accessories & Tools**

Speed - Power - Diamond Saw Wire

	**A diamond saw wire consists of:** **> Steel wire with carrier function** **> Diamond cutting beads in 3-D technology** **> Steel springs to protect the rubber from wear** **> Rubber as a spacer and bonding agent** **simultaneously protects the carrier wire from corrosion and abrasive action.** **The diamond saw wire is characterised by the following special features compared to conventional wires:** **> Higher cutting speed** **> Longer service life** **> High flexibility** **> Favourable price-performance ratio**

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Diamond drill bits with spiral

Suitable for dry drilling

		**> Diameter:** **from 5 mm to 1200 mm** **> Useful length:** **On customer request, all lengths** **> Connection:** **All common connection variants** **> Execution:** **Laser-welded and soldered** **> Segments:** **Roof shape / good tapping behavior** **> Your advantages:** **Quiet and fast drilling,** **Long tool life**
Speed-Power diamond core bits **For asphalt and concrete/ for materials testing laboratories** **For the concrete, natural stone and refractory industries**	**Speed Power diamond drill bit for drilling the following materials:** **> Drill core removal for material** **> Testing asphalt and concrete** **> Drilling of refractory materials / fireclay.** **> Drilling concrete for supply lines and breakthroughs** **We manufacture dimensions from 10 mm to 1000 mm diameter as well as all groove lengths up to 1500 mm**	

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Speed Power diamond drill with 5/4 inch connection (from 5 mm to 1200 mm) internal thread / pipe length 1400 mm / external diameter from 12.0 - 40.0 mm	**Drill with drill bit and converter stone**	**Converter stone with finished bore**

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Speed - Power - Diamond Cutting Discs and Blades



Speed-Power-Diamond Cutting Discs from 300 mm to 2000 mm

For natural stones such as granite, marble, basalt, tuff etc.

Close-meshed segments

Beams in low noise / sandwich as well as steel beams



Speed-Power-Wall saw blades from 300 to 1500 mm

For all refractory products such as dolomite, magnesite

General chamotte etc.

Beams in low noise / sandwich as well as steel beams



Speed-Power-Old concrete saw blades from 300 mm to 1200 mm

High delivery values and stand services combined with economic service lives.



Speed-Power-Hand-operated saw blades from 300 mm to 500 mm

Working with the lowest possible contact forces for better operating comfort.



Grooving machine saw blades 364 mm

Create joint chambers to accommodate seals, cables, etc.
The one-piece design used here simplifies the application considerably.

All types are also available with sandwich cores.

Noise reduction up to 10 dB

Please always state the drive power of the respective machine.

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