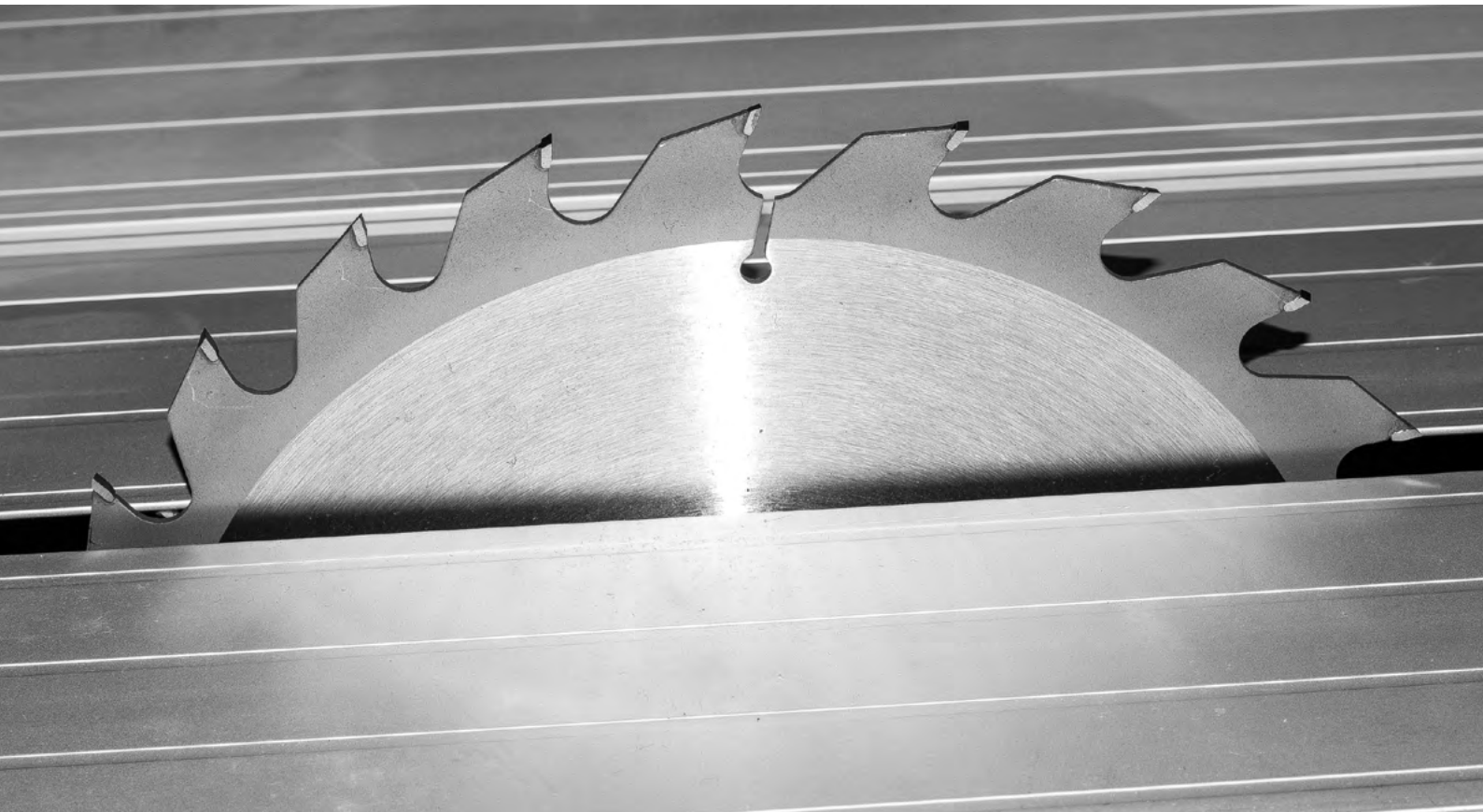


Quality Made in Germany since 1924



Polishing of circular saw blades and circular knives

Polishing of circular saw blades and circular knives

You have the surfaces - we take care of the finish. Our products are always called for when surfaces cannot be further refined with conventional vitrified or resin-bonded grinding wheels. Contrary to abrasive belts, they can also be used to finish hard to reach surfaces.

In ARTIFEX tools, abrasive grains such as silicon carbide or aluminium oxide are flexibly embedded in elastic materials, such as foamed polyurethane (P) or rubber (Rplus). As a result, our grinding and polishing wheels are sponge-soft, finely porous or hard, but always elastic. Depending on the application, the specifically matched composition of grain and bonding results in the desired finish.

WORKPIECES

Circular saw blades | Circular knives

MATERIAL

Hard metal | hardened steel | High alloy steel

MACHINES

Gerling | Kähny | Kirschner | Petschauer and all other renowned manufacturers

PROCESS DESCRIPTION

Removal of scratches, scale stains, colors, welding beads and soldering residues
Cleaning of used circular saw blades

PROCESS SETUP

Cutting speed v_c : 30 m/s
Infeed a_e : 50 - 200 μm
Feed rate v_{fa} : 6 - 10 mm/s
Cooling lubricant : Emulsion | Water | Oil

RESULT

Evenly finished surface
Roughness : Rz 3 - 12 μm
Material removal : 50 - 100 μm

TOOLS

Product : ARTIFEX NK 46 HZP
Bonding : Foamed Polyurethane | hard
Grit size : Aluminium oxide F46
Application : Removal of deep scratches | High stock removal

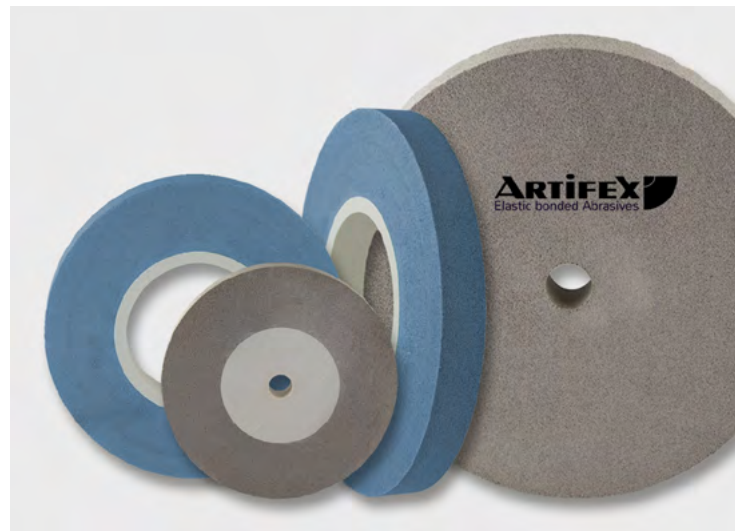
Product : ARTIFEX NK 80 HZP
Bonding : Foamed Polyurethane | hard
Grit size : Aluminium oxide F80
Application : Saw blades with slots and grooves

Delivery form : Peripheral wheels
Dimension : OD \varnothing 250 - 400 mm

ADVANTAGES

Best replacement of traditional cork polishing wheels
Less residues in the machine
No clogging of the wheel and long service life

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The ARTIFEX promise

We stand for tools that guarantee the highest quality standards. All ARTIFEX products are „Made in Germany“ and their above-average service life speaks for itself.

Our service: You have individual requirements, we offer customised solutions regardless of the material, shape or dimensions. We will gladly advise you on your premises.