

TOOLS

dressing and grinding tools



KAPP NILES

precision for motion

TOOLS

dressing and grinding tools

- machines and tools from one source
- grinding and dressing tools for generating grinding, profile grinding and gear honing
- application-specific design and manufacturing
- worldwide replating close to the customers

KAPP manufactures non-dressable, electroplated CBN and diamond grinding tools for hard and soft finishing of gears and profiles. In addition there are dressing tools for dressing of ceramic or CBN tools in the product line. KAPP grinding tools have the best reputation for more than 30 years worldwide guaranteeing highest quality, efficiency and economic grinding.



dressing tools

profile grinding
diamond form rolls
 sintered design for dressing of vitrified profile grinding wheels

Either as an economic version with natural diamond or as a long life tool with handset CVD diamond. These tools can be reground several times and exhibit high tool life.

gear honing
diamond dressing gears
 for profile dressing of vitrified honing rings

Also available as a set with DDG and integrated tip dressing roll.

generating grinding
diamond profile rolls and -form rolls
 for flexible or topological dressing of vitrified or dressable CBN worms for the continuous generating grinding of external gears

For serial production an integrated tip dresser is used for defined grinding of the gear root area.

multi-ribbed diamond profile rolls
 for high efficiency dressing of vitrified grinding worms in large batch production

grinding tools

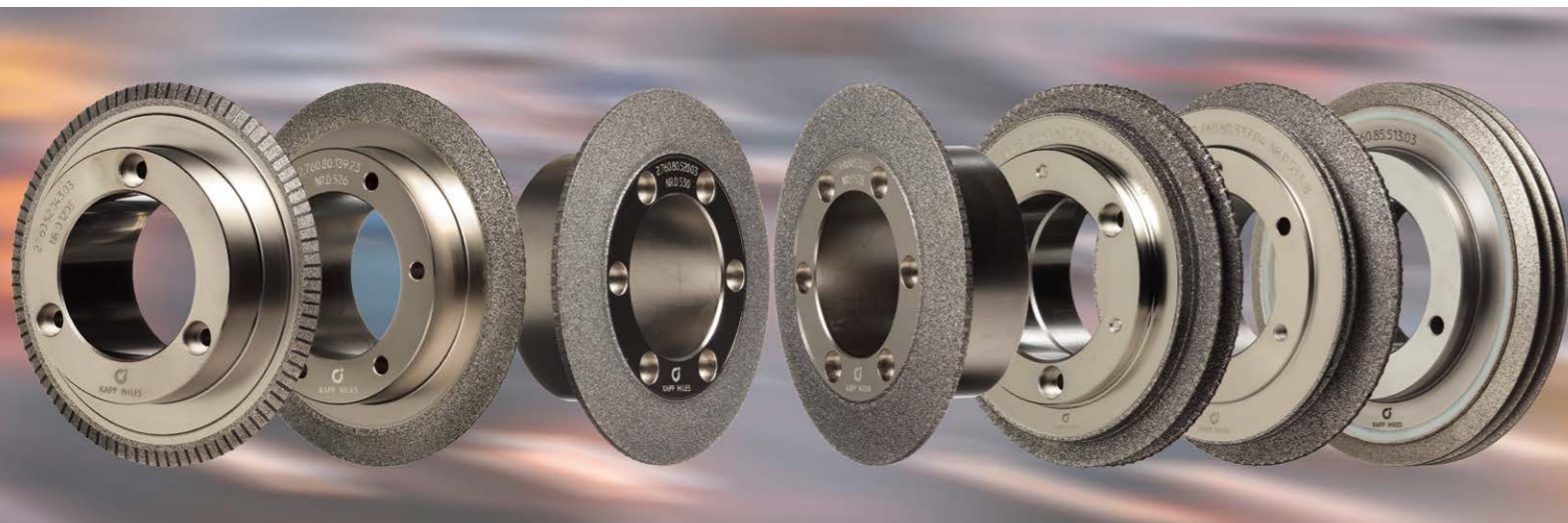
CBN profile grinding wheels
 single or multi-ribbed roughing and finishing wheels suitable for

- grinding of external and internal gears for automotive and aircraft industry
- radial, screw, rotor and worm profile wheels
- high speed grinding of profiles and gears
- lunge grinding, abrasive cutting, cylindrical grinding

CBN grinding worms
 roughing and finishing worms in cylindrical form for high efficient grinding of gears and other profiles as well as in globoidal form for grinding external gears with interfering contours

Grinding worms and profile wheels are often used in combination.

diamond coroning rings and -gears
 suitable for coroning of external and internal gears as well as shoulder gears, even with small crossed axes angle



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