



Leistritz Whirling Tools

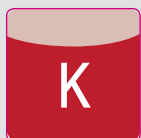
Materials which can be processed



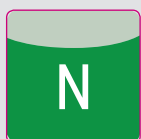
- unalloyed steel
- alloyed steel
- high-alloyed steel
- tool steel



- ferritic Cr-steels, austenitic CrNi-steels
- martensitic Cr-steels



- cast iron
- spheroidal cast iron



- non-metal materials

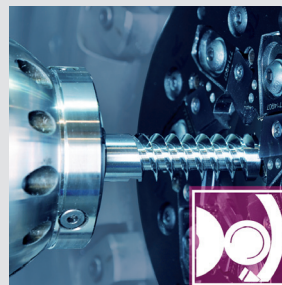


- Ni/Co-base alloys
- Ti-alloys

Machining and tooling solutions from a single source



- Profile cutting tools
- Whirling tools
- Form rolling dies
- Solid carbide end milling cutters
- Solid carbide drills
- End machining tools
- Work rest blades
- Turning tools



- Keyseating technology
- Whirling technology
- Rolling/Burnishing
- Milling
- Polishing

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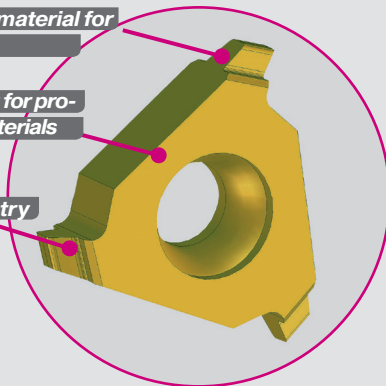
Leistritz Whirling Tool with 2 and 3 cutting edges

Tooling concept with three cutting edges

Newly developed cutting material for highest surface quality

High-performance coating for processing many different materials

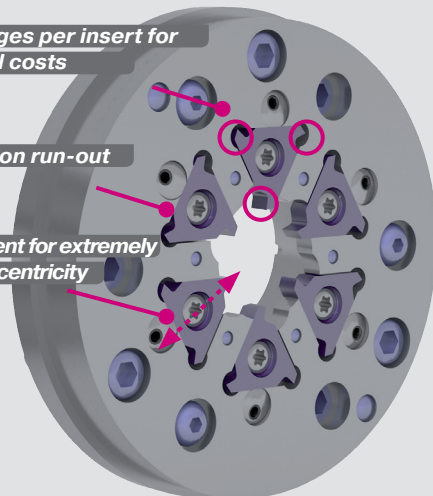
Optimized micro-geometry



3 cutting edges per insert for reduced tool costs

High-precision run-out

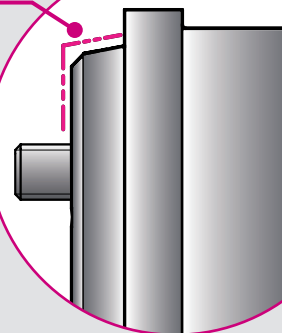
Fine adjustment for extremely accurate concentricity



Technical data

	WRK1051 (6 cutting edges)	WKR 1059 (8 cutting edges)
Cutting diameter (mm)	18 - 20	18
Max. number of cutting edges (dep. on cutting diameter)	6	8
Runout	< 5 µm	< 5 µm
Chuck diameter	94 mm	94 mm
Spindle chuck with flat spindle collar	X	X
	for applications req. medium to low number of cutting edges	for applications req. high number of cutting edges

Spindle chuck with flat spindle collar



Your benefits

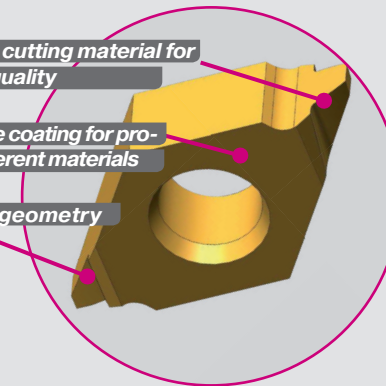
- Highest accurate repeatability thanks to the spindle chuck with flat spindle collar
- Fast and flexible tool change
- Due to the long service life of the tool, machine downtimes kept to absolute minimum

Tooling concept with two cutting edges

Newly developed cutting material for highest surface quality

High-performance coating for processing many different materials

Optimized microgeometry



High number of cutting edges for longer tool life

Especially small cutting diameters possible

Fine adjustment for extremely accurate concentricity

