

Customized reaming tools

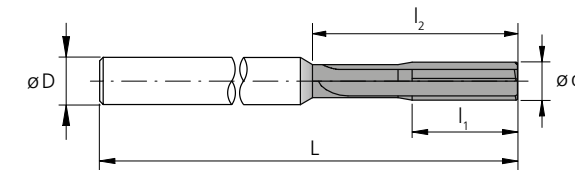


Mikron Tool produces solid carbide reamers according to your needs and requirements and within the following range:

- Reamer with 1-diameter
- Step reamer with different diameters
- Surface quality n5 can be obtained depending on cutting / coolant medium, machine tool equipment, spindle, tool holder (concentricity), material to be removed

CHARACTERISTICS

- Diameter min: 0.4 mm
- Diameter max: 32.0 mm, bigger following specific request
- Maximum tool length: 330 mm
- Tool diameter tolerance max.: $\pm 0.5 \mu\text{m}$
- Concentricity with shaft max.: $2 \mu\text{m}$
- Number of cutting edges: 1 up to 16
- Cutting direction: right-hand cutting or left-hand cutting
- Form of flutes: straight flutes left-hand helix, right-hand helix
- Division of teeth: regular or irregular
- Shape of cutting edges: various
- Reamer material: tungsten carbide, grade selection depending on application



COATINGS

Various, choice according to application

COOLING

- Reaming tools with straight internal cooling channels in the shaft
- Reaming tools with internal cooling channels, special exits, for example in the flutes
- Reaming tool for external coolant supply

TYPE OF SHAFT

- Cylindrical as per DIN 6535 HA
- Cylindrical as per DIN 6535 HB (Weldon)
- Others upon request

MATERIAL TO BE MACHINED

Reamer for steel, corrosion-resistant steels, i.e. stainless steels, pure titanium / titanium alloys, super alloys, i.e. heat-resistant alloys such as Inconel or Hastelloy, CrCo alloys, hardened steel up to 55HRC, aluminum / aluminum alloys, brass, copper, cast materials, etc.

TREATMENTS

Cutting edge preparation, polishing of flutes