Customized multifuncinal tools

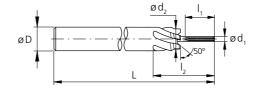


Mikron Tool produces solid carbide multifunctional tools according to your needs and requirements and within the following range:

- Various operations can be combined in one tool for example:
 - 1. Tool for centering + drilling
 - 2. Tool for centering + drilling + reaming
 - 3. Tool for drilling + reaming
 - 4. Drill + form drill
 - 5. Tool for milling + deburring

CHARACTERISTICS

- Diameter min: 1.0 mm
- Diameter max: 32.0 mm, bigger following specific requests
- Maximum tool length: 330 mm
- Tolerance of tool diameters max.: ± 0.5 µm
- Concentricity between shaft and cutting diameters.: 2 µm
- Number of cutting edges: 2 8
- Cutting direction: right-hand cutting or left-hand cutting
- Tool material: tungsten carbide, grade selection depending on application



COATINGS

Various, choice according to application

COOLING

- Tools with internal helix shaped cooling channels up to the tip of the tool
- Tools with straight internal cooling channels in the shaft
- Tools to be used with external coolant supply

TYPE OF SHAFT

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

MATERIAL TO BE MACHINED

Tool 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

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