



Twin fluted drills Type 0 Dia. 10.00-22.49 mm

botek Type 03

an innovative concept for exchanging inserts and guide pads of twin fluted drills

An addition to single flute drill concepts

Advantages:

- Exchangeable guide pads allow for a minimal drill hole deviation similar to single-edged tool concepts.
- Process reliable drilling across cross holes.
- Combines the process reliability of single flute drills optimally with the advantages of a twin fluted tool.
- Flexible tool concept regarding the cutting edge geometry.
- Various wear protection layers possible, edges are always fully coated.
- Economic cutting process of materials containing chrome, also with water soluble cooling lubricants.
- No regrinding necessary, therefore reduced WIP inventory.
- User-friendly concept by changeable wear parts.
- Inserts are ground on diameter.
- Drill diameter range 10.00-22.49 mm.

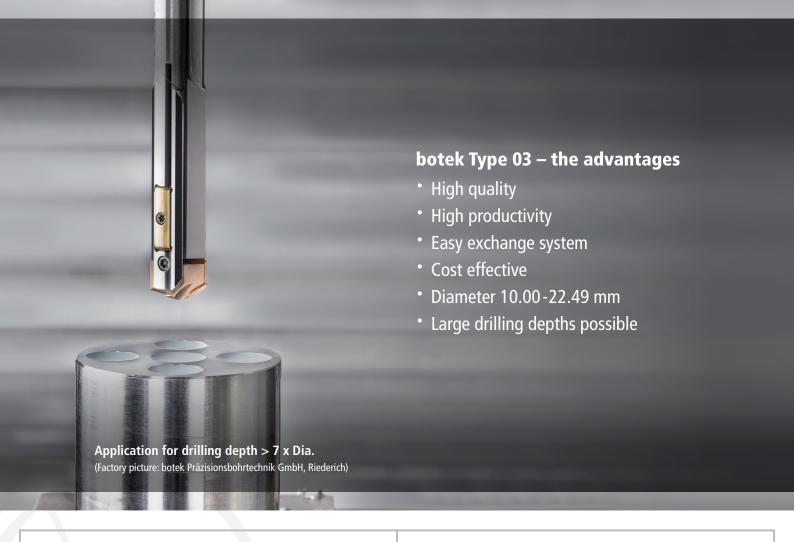






Various coatings for the inserts to match the specific application





Application example mould production	
Material	40CrMnNiMo8-6-4/1.2738
Strength	1100 N/mm ²
Application	Mould production
Type of tool	Type 03
Drill-ø	15 mm
Drilling depth	500 mm
Cutting speed V _c	70 m/min
Feed f	0.20 mm
Coolant	Emulsion

Initial situation:

- → Problems when passing cross holes
- → Long chips
- → Very long machine operating time

Solution:

Twin fluted tool Type 03 with exchangeable inserts and guide pads

Result:

- → Short and compact chips
- → Passing cross holes very possible
- → Feed rate significantly higher

Further information: www.botek.de



DEEP HOLE DRILLING SYSTEMS SOLID CARBIDE TOOLS

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