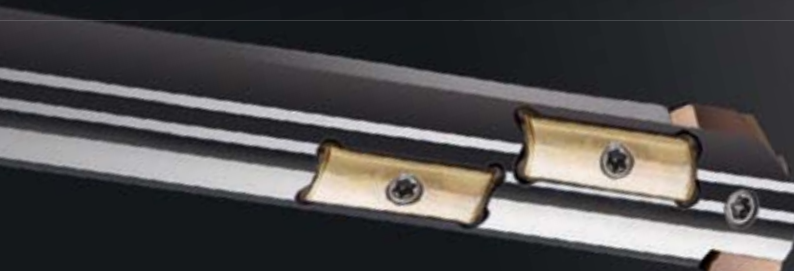


INNOVATION



Twin fluted drills Type 03
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

botek[®]

DEEP HOLE DRILLING SYSTEMS
SOLID CARBIDE TOOLS

botek Type 03 – the advantages

- High quality
- High productivity
- Easy exchange system
- Cost effective
- Diameter 10.00-22.49 mm
- Large drilling depths possible

Application for drilling depth > 7 x Dia.

(Factory picture: botek Präzisionsbohrtechnik GmbH, Riederich)

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

botek[®]

DEEP HOLE DRILLING SYSTEMS
SOLID CARBIDE TOOLS

botek Präzisionsbohrtechnik GmbH · Längenfeldstraße 4 · 72585 Riederich · Germany
P +49 7123 38 08-0 · F +49 7123 38 08-138 · E-Mail Info@botek.de · www.botek.de

250 000 256/32-2018