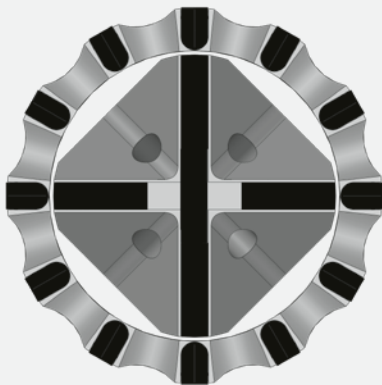
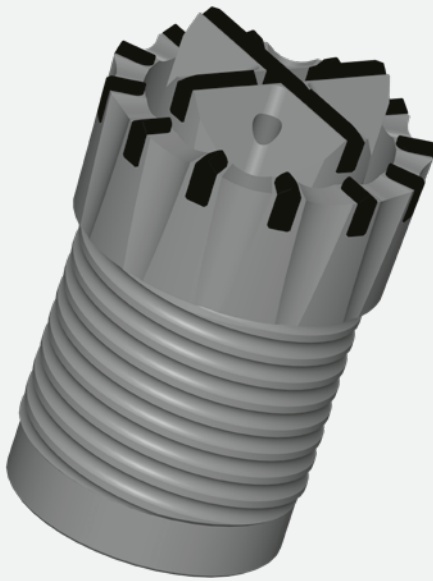




DRILL BITS



In order to work in the most diverse of geologies, and to achieve the best possible drilling progress in these geologies, various drilling methods and expertise are essential. Choosing the correct drill bit for the geology at hand rounds off the drilling tool setup. This makes the process complete. Customised drill bits from D 51 mm (2-1/64") to D 620 mm (24-13/32") outer diameter can be realised to suit to a customer's requirements.

Drill bits are divided into different categories, depending on the type of use.

- Casing bits / crowns
- Rotary drill bits
- Rotary percussion bits
- Sacrificial / lost bits
- Auger drill bits
- Cutter drill bits
- Extension drill bits

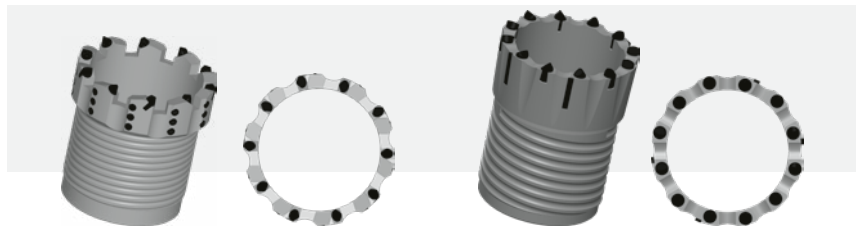
To manufacture the drill bits, high-quality materials are used for the main body, and the appropriate thread profile is turned or milled into that body.

Various cemented carbides are utilised in button inserts / plates and assembled onto the bit body, including PCD geometries. The inserts are described as follows based on their geometries and working action:

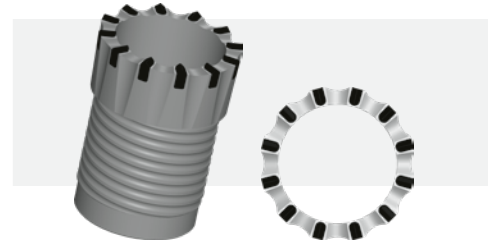
- | | |
|------------------------------|----------------------------------|
| • Octagonal | • PCD (PDC) |
| • Wedge-shaped scraping type | • Round attack picks |
| • Hemispherical | • Weld-on teeth (J-tooth design) |
| • Ballistic | • Weld-on studs |
| • Plate | |

DRILL BITS

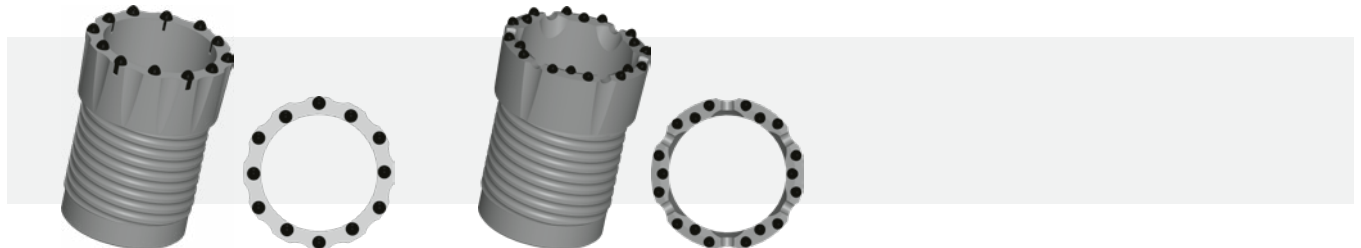
CASING BITS FOR ROTARY PERCUSSIVE DRILLING



Rotary percussive casing bits with wedge-shaped, scraping type, button inserts

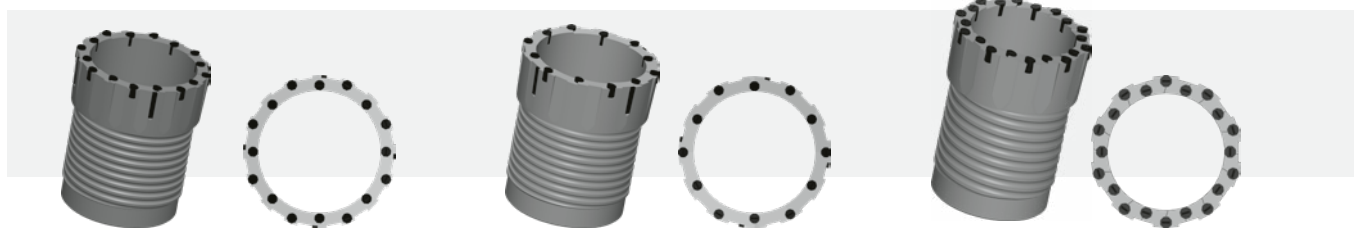


Rotary percussive casing bits with plate type tungsten carbide cutters

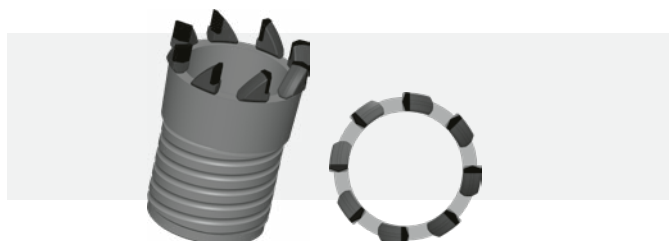


Rotary percussive casing bits with tungsten carbide button inserts (hemispherical or ballistic)

CASING BITS FOR PURE ROTARY DRILLING



Rotary casing bits with octagonal type button inserts

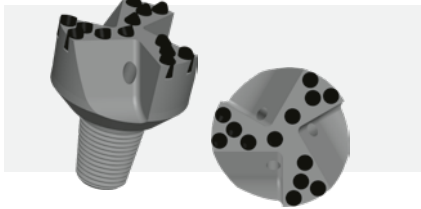


Rotary casing bits with weld-on cutter inserts (J-tooth).

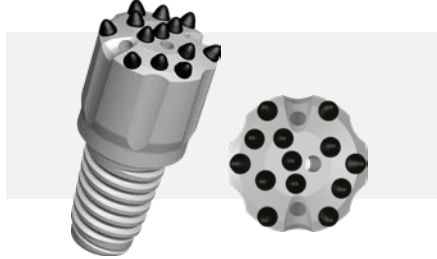


Rotary casing bits with PCD (PDC) button inserts

FULL FACE DRILL BITS FOR ROTARY PERCUSSIVE DRILLING



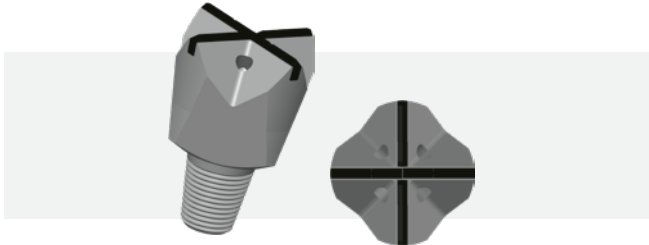
Rotary percussive drill bit with wedge-shaped, scraping type, button inserts



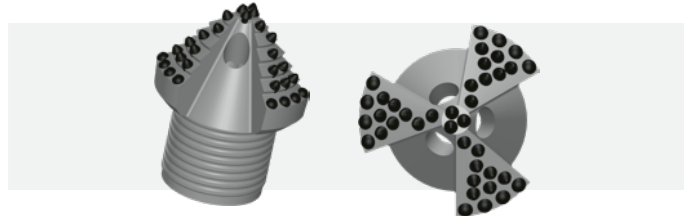
Rotary percussive drill bit with tungsten carbide inserts (full face)



Rotary percussive drill bit for down-the-hole applications

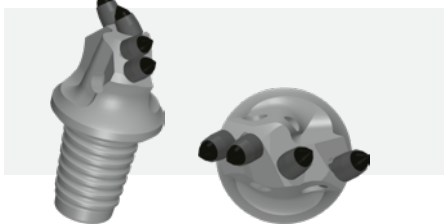


Rotary percussive drill bit, tungsten carbide plate, cross version

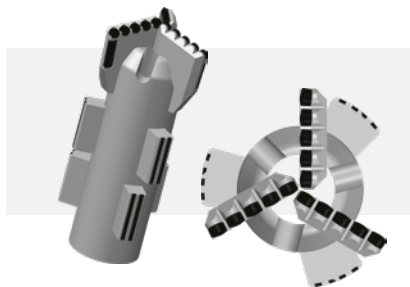


Rotary percussive drill bit with tungsten carbide button inserts (hemispherical and ballistic)

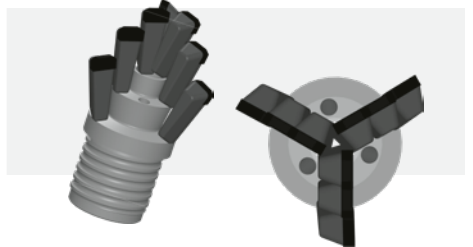
FULL FACE DRILL BITS FOR PURE ROTARY DRILLING



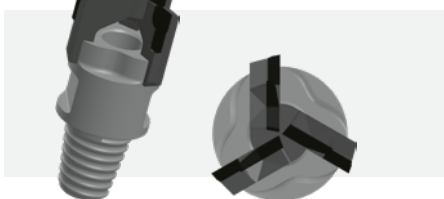
Rotary drill bit with round attack picks



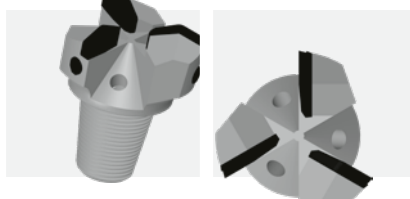
Rotary drill bit with PCD (PDC) cutters



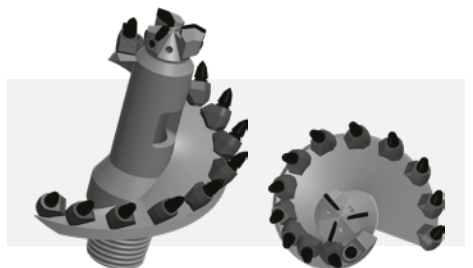
Rotary drill bit, claw bit type



Rotary drill bit, stepped type

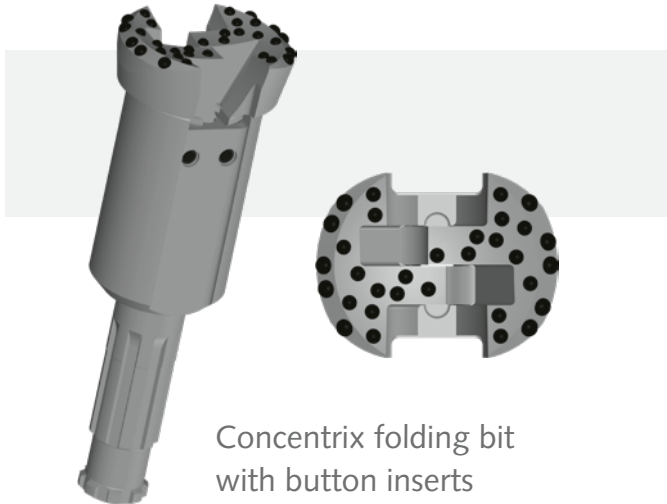


Rotary drill bit with tungsten carbide cutters

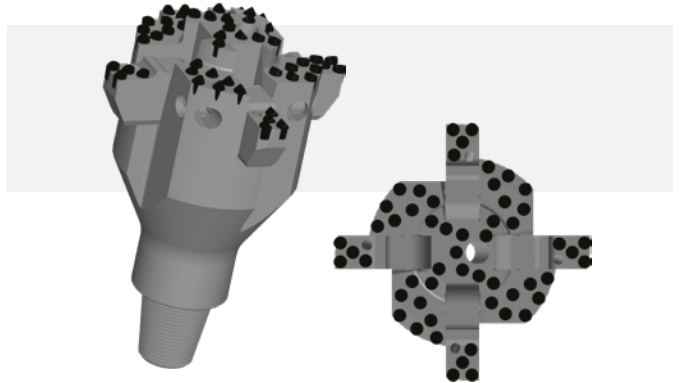


Auger drill bit with round attack picks

EXTENSION DRILL BITS

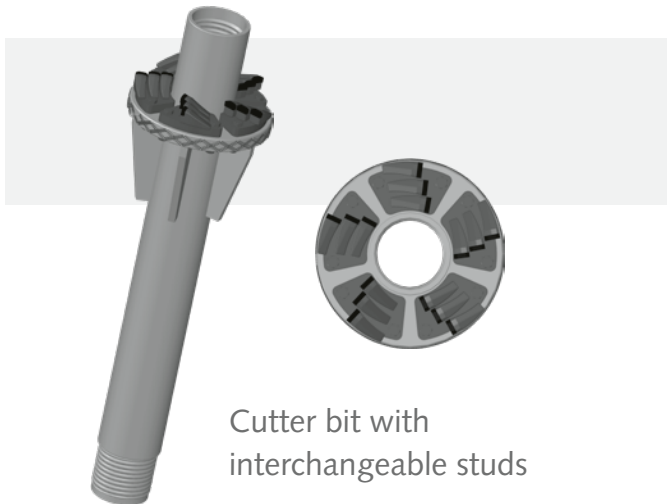


Concentrix folding bit
with button inserts



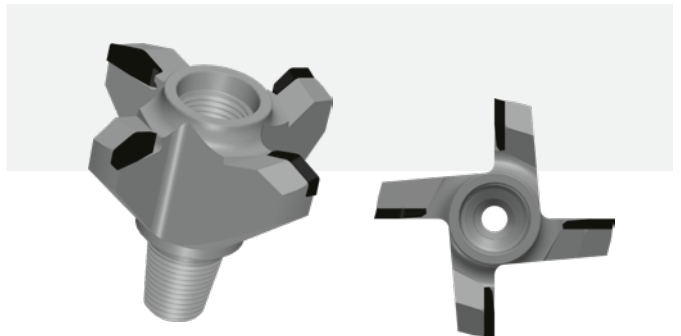
Extension bit
with wedge-shaped,
scraping type, button inserts

CUTTER ("MILLING" TYPE) DRILL BITS



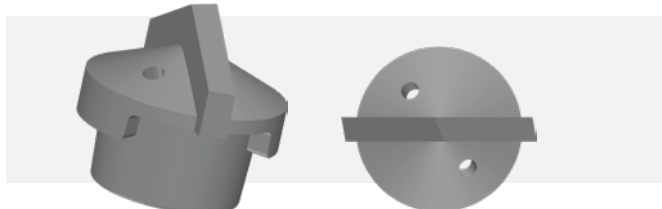
Cutter bit with
interchangeable studs

ROTARY REAMER

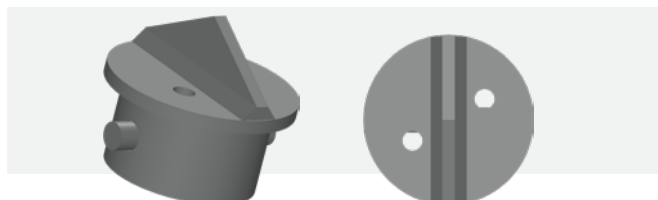


Reamer, multi-wing
with plate cutters

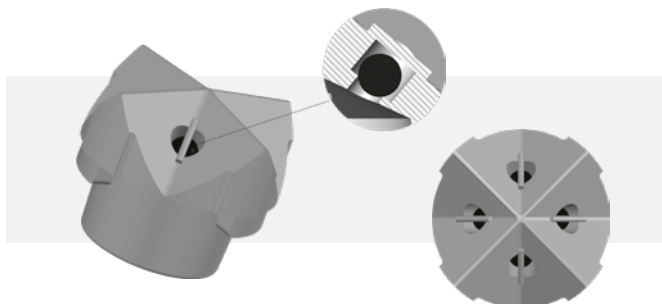
SACRIFICIAL / LOST DRILL BITS



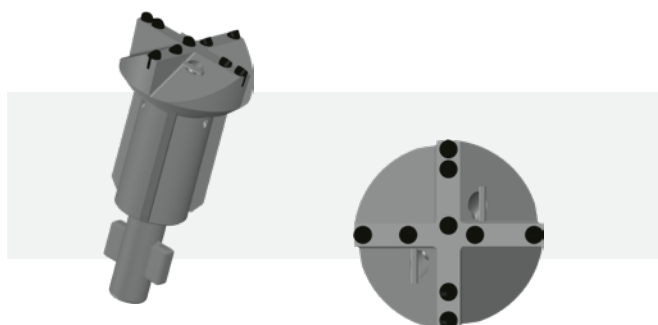
Lost blade with radial groove



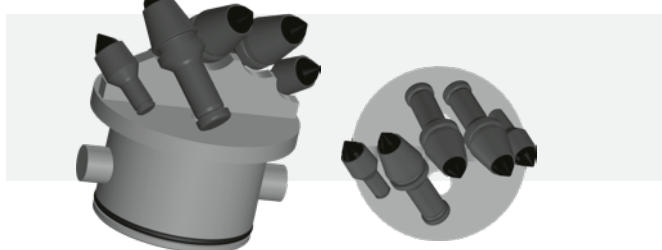
Lost blade with bayonet connection
(radial pin-and-groove)



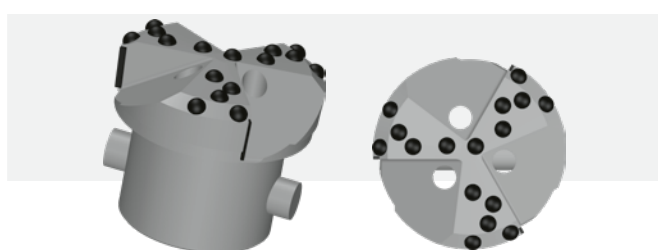
Lost cross bit with radial groove
and non-return ball valve for
drilling against water pressure



Latch drill bit
with wedge-shaped,
scraping type, button inserts



Lost blade with bayonet
connection (radial pin-and-groove)
and round attack picks



Rotary percussive drill bit
with wedge-shaped, scraping type,
button inserts, multi-wing and bayonet
connection (radial pin-and-groove)

PRECISION ENGINEERED DRILLING SOLUTIONS FROM INITIAL CONCEPT TO FINAL TOOL SYSTEMS – EVERYTHING UNDER ONE UMBRELLA!



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Sysbohr's offering includes the development and production of tools and accessories for the entire range of applications in diameters from 51 mm (2") to 610 mm (24").

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