

151 TILE/BRICK DRILL BIT KERAMIK WITH TSM CARBIDE TIP



DRIVE



EXECUTION

- ISO 5468
- Milled flute for optimum removal of drilling dust
- Straight flute entry
- Tungsten-titanium TSM carbide tip
- High-temperature brazing at about 1,120°C
- Burnished surface
- Up to 12 mm Ø with ROTASTOP shank

| D Ø mm | D Ø 31 | L2 mm | L1 mm | d Ø mm | | | |
|-----------|-----------|----------|----------|-----------|----|--------|-------------|
| 4,0 | 5/32 | 40 | 75 | 3,6 | 20 | 510106 | 151 018 040 |
| 5,0 | 3/16 | 50 | 85 | 4,6 | 20 | 510113 | 151 018 050 |
| 5,5 | 7/32 | 50 | 85 | 5,1 | 20 | 904875 | 151 018 055 |
| 6,0 | 15/64 | 60 | 100 | 5,6 | 20 | 510120 | 151 018 060 |
| 6,5 | 1/4 | 60 | 100 | 6,1 | 20 | 904882 | 151 018 065 |
| 8,0 | 5/16 | 80 | 120 | 7,1 | 20 | 510137 | 151 018 080 |
| 10,0 | 3/8 | 80 | 120 | 8,7 | 20 | 510144 | 151 018 100 |
| 12,0 | 15/32 | 90 | 150 | 10,0 | 10 | 510151 | 151 018 120 |
| 14,0 | 9/16 | 90 | 150 | 10,0 | 10 | 510090 | 151 017 140 |

FOR USE IN



DRILLING INFORMATION

- A recommended speed of 600 to 1,200 rpm and sufficient contact pressure, which is always required for the exclusively rotary drilling of hard materials, are the prerequisites for good drilling progress and a long life of the drill tip.
- When used with rechargeable drilling machines the drill bit provides noticeably faster drilling than comparable rotary drill bits.
- We recommend to affix adhesive tape at the place of drilling.

APPLICATION

- In all rotary and percussion drilling machines
- High contact pressure
- 20 seconds cooling time
- Only for rotary use
- In materials up to scratch hardness of 9
- Drilling process and tool life can be increased by cooling with water

PACKAGING



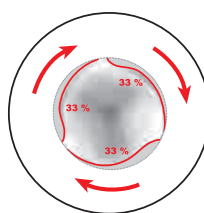
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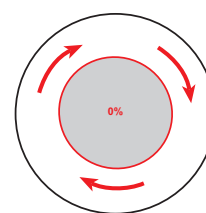
FEATURES

- A new technology makes it possible to use this high-performance rotary drill bit for dry drilling in hardest ceramic, porcelain stoneware, tiles and hard burnt brick up to a scratch hardness of 9.
- Low-stress high-temperature brazing at 1,120°C prevents detaching of the extremely hard and sharp carbide tip even under excessive loads.
- The intended microscopic breakouts on the cutting edges provide edges which stay sharp.



ROTASTOP

- The polygonal shape of the ROTASTOP section on the outside of the drill bit reduces surface contact to 3 points which leads to a reduction in the frictional resistance and thus to a considerably higher rate of work with noticeably improved performance of the drill bit.
- ROTASTOP allows easy tool changing within seconds and longer service lives for the tools.
- Optimal torsional rigidity | Low frictional losses | High drilling performance



PRODUKT INFORMATION ROTASTOP

- Strength from the contour. The new performance shank for optimum torque transmission
- An unmatched 99 % of the contour of the ROTASTOP tool bit ensure optimum transmission of the torque, as ROTASTOP practically chucks itself automatically by means of the rising contours.
- The result: No slipping in the chuck and precise results when processing material.