

Garant**HiPer-Drill base body, 3×D, Ø DC: 20mm****Order data**

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| Order number | 231605 20 |
| GTIN | 4045197602817 |
| Item class | 21S |

Description**Version:**

- **Very high feed rates and maximum performance due to optimally matched geometries and materials.**
- **Precise positioning of the cutter insert due to Vee insert seating and secure clamping by the centre bore.**
- **High concentricity when assembled. (For holes up to IT9 accuracy)**
- **Shank support for optimum stability in operation.**

Application:

For stationary and rotating use. For holes up to IT9 accuracy.

Note:

The insert screw must be replaced after every fifth change of cutter insert.

Further sizes up to Ø 50.99 mm available on request.

Clamp in a hydraulic chuck (such as No. 302026 size 20) for optimum radial run-out.

For optimum stability, clamp the drill so the overhang is as short as possible.

Technical description

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|--------------------|---------------------|
| Clamping screw | 231999 9IP (2.2 Nm) |
| Reach L_1 | 63 mm |
| Shank Ø D_s | 25 mm |
| Dia. range D_c | 20 - 20.99 mm |
| Shank length L_s | 56 mm |
| Series | HiPer-Drill |

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|---------------------------|------------------------------------|
| Number of cutting edges Z | 2 |
| Overall length L | 151 mm |
| Version | 3xD |
| Shank | ISO 9766 |
| Use for drilling | limited drilling with oblique exit |
| Use for drilling | limited oblique spot drilling |
| Use for drilling | limited cross-drilling |
| Use for drilling | limited drilling through a stack |
| Through-coolant | yes |
| Type of product | Indexable drill |

Accessories

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|--|------------|
| PrecisionBit for Torx Plus®, 1/4 inch E 6.3 Torx Plus® profile 9IP | 674252 9IP |
| Torque screwdriver, fixed setting set torque 2,2 N·m | 211750 2,2 |
| Torx Plus® screw Drive 9IP | 231999 9IP |