

Garant
HiPer-Drill base body, 5×D, Ø DC: 9,5mm

Order data

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|--------------|---------------|
| Order number | 231610 9,5 |
| GTIN | 4045197716170 |
| 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.**

Created by an additive procedure.

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

| | |
|-----------------------------|----------------------|
| Reach L ₁ | 50 mm |
| Clamping screw | 231999 5IP1 (0.2 Nm) |
| Dia. range D _c | 9.5 - 9.99 mm |
| Shank Ø D _s | 12 mm |
| Shank length L _s | 45 mm |
| Series | HiPer-Drill |

| | |
|---------------------------|------------------------------------|
| Number of cutting edges Z | 2 |
| Overall length L | 113 mm |
| Version | 5xD |
| Shank | ISO 9766 |
| Use for drilling | limited drilling through a stack |
| Use for drilling | limited oblique spot drilling |
| Use for drilling | limited drilling with oblique exit |
| Use for drilling | limited cross-drilling |
| Through-coolant | yes |
| Type of product | Indexable drill |

Accessories

| | |
|--|-------------|
| Torque screwdriver, fixed setting set torque 0,2 N·m | 211750 0,2 |
| PrecisionBit for Torx Plus®, 1/4 inch E 6.3 Torx Plus® profile 5IP | 674252 5IP |
| Torx Plus® screw Drive 5IP1 | 231999 5IP1 |