Garant

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



Order data

| Order number | 2316109 |
|--------------|---------------|
| GTIN | 4045197716163 |
| Item class | 215 |

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.
- · 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 \emptyset 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.

Number of cutting edges Z: 2

Dia. range D_c: 9 - 9.49 mm

Reach L₁: 48 mm

Shank Ø D_s: 12 mm

Shank length L_s: 45 mm

Clamping screw: 231999_5IP1 (0.2 Nm)

Technical description

| Dia. range D _c | 9 - 9.49 mm |
|---------------------------|-------------|
| Shank Ø D _s | 12 mm |

| Clamping screw | 231999_5IP1 (0.2 Nm) |
|-----------------------------|------------------------------------|
| Reach L ₁ | 48 mm |
| Shank length L _s | 45 mm |
| Number of cutting edges Z | 2 |
| Drill depth up to | 5×D |
| 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

| Torx Plus [®] screw Drive 5IP1 | 231999 5IP1 |
|-----------------------------------------------------|-------------|
| Torque screwdriver, fixed setting set torque 0,2 Nm | 211750 0,2 |