

**Garant**
**HiPer-Drill base body, 3×D, Ø DC: 10,5mm**

**Order data**

Order number	231605 10,5
GTIN	4045197716118
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**

Shank Ø D <sub>s</sub>	16 mm
Reach L <sub>1</sub>	33 mm
Clamping screw	231999 5IP1 (0.2 Nm)
Dia. range D <sub>c</sub>	10.5 - 10.99 mm
Shank length L <sub>s</sub>	48 mm
Series	HiPer-Drill

Number of cutting edges Z	2
Overall length L	101 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

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