

### HiPer-Drill base body, 8×D, Ø DC: 9 mm



#### **Order data**

Order number	231615 9
GTIN	4045197716248
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.
- · Shank support for optimum stability in operation.

Created by an additive procedure.

#### **Application:**

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

#### **Recommendation:**

Drill the pilot hole.

#### Note:

Further sizes up to  $\emptyset$  50.99 mm available on request.

The insert screw must be replaced after every fifth change of cutter insert. reduce  $v_f$  values by 20 %.

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.

For process reliability when using the drill, initial pilot drilling to 1.5×D with the drill No. 231600 with the same cutter insert size and type is necessary. **The generation of a pilot hole improves process reliability.** 

Number of cutting edges Z: 2 Dia. range D<sub>c</sub>: 9 - 9.49 mm

Reach L<sub>1</sub>: 76 mm Shank Ø D<sub>5</sub>: 12 mm Shank length L<sub>5</sub>: 45 mm

Clamping screw: 231999\_5IP1 (0.2 Nm)

# **Technical description**

Clamping screw	231999_5IP1 (0.2 Nm)
Reach L <sub>1</sub>	76 mm
Dia. range D <sub>c</sub>	9 - 9.49 mm
Shank Ø D <sub>s</sub>	12 mm
Shank length L₅	45 mm
Number of cutting edges Z	2
Drill depth up to	8×D
Shank	ISO 9766
Use for drilling	limited drilling with oblique exit
Use for drilling	limited drilling through a stack
Use for drilling	limited oblique spot drilling
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
PrecisionBit for Torx Plus®, shank E 6.3 Torx Plus® profile 5IP	674252 5IP