

Garant
HiPer-Drill base body, 5×D, Ø DC: 45mm

Order data

Order number	231610 45
GTIN	4062406641498
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

Clamping screw	231999 25IP1
Series	HiPer-Drill
Shank length L _s	70 mm
Dia. range D _c	45 - 46.99 mm
Reach L ₁	235 mm
Shank Ø D _s	40 mm
Number of cutting edges Z	2

Overall length L	367 mm
Version	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

Torque screwdriver with scale, to take interchangeable blades maximum torque 1600 cNm	659906 1600
8 mm blade with magnet with 1/4 inch bit holder overall length 50 mm	659874 50
Torx Plus® screw Drive 25IP1	231999 25IP1
Torque screwdriver with scale, to take interchangeable blades maximum torque 1600 cNm	659957 1600