

Garant**HiPer-Drill base body, 3×D, Ø DC: 47 mm****Order data**

Order number	231605 47
GTIN	4062406641436
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.**

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.

Dia. range D_C: 47 - 48.99 mm

Reach L_I: 147 mm

Shank Ø D_s: 40 mm

Shank length L_s: 70 mm

Clamping screw: 231999 25IP1

Technical description

Clamping screw	231999 25IP1
Shank Ø D _s	40 mm
Shank length L _s	70 mm

Dia. range D _c	47 - 48.99 mm
Reach L ₁	147 mm
Overall length L	284 mm
Drill depth up to	3×D
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

Torque screwdriver with scale, to take interchangeable blades maximum torque 1600 cNm	659906 1600
PrecisionBit for Torx Plus®, shank E 6.3 Torx Plus® profile 25IP	674252 25IP
8 mm blade with magnet with 1/4 inch bit holder overall length 50 mm	659874 50