



HiPer-Drill base body, 3×D, Ø D: 49 mm

Order data

Order number	231605 49
GTIN	4062406063351
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:

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.

Drill depth up to: 3×D

Skaft: 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

Ø range D: 49 - 50.99 mm

Usable length L_N : 293 mm

Shank Ø D_s : 40 mm

Shank length L_s : 70 mm

Clamping screw: 231999_25IP1 (15Nm)

Technical description

Shank tolerance	
Point angle	degrees

Schaft	ISO 9766
Drill depth up to	3×D
Through-coolant	yes
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
Machining strategy	
Norm	
Type of product	