

Garant
Solid carbide HPC drill plain shank DIN 6535 HA, TiAlN, Ø DC h7: 12,5 mm

Order data

| | |
|--------------|---------------|
| Order number | 123101 12,5 |
| GTIN | 4045197452054 |
| Item class | 11E |

Description
Version:

Cutting chisel edge with **high centring accuracy** due to **strong core and special point geometry**.

Particularly high alignment accuracy due to **4 guide chamfers** which stabilise the drill even at extreme depths!

Convex cutting edges with honed edges and special flute profile for **short chips**, even on long chipping materials.

Advantage:

High process reliability and surface quality of the hole.

Recommendation:
Maximum drilling depth:

flute length (see table) less 1.5×nominal Ø.

Note:

Flute length $L_c = L_2 + 1.5 \times D_c$.

Form **HB** and **HE** supplied at the same price as HA.

Form **HB**: order with **No. 123102**.

Form **HE**: order with **No. 123101 + 129100 HE**.

NEW GENERATION AVAILABLE!

Recommended successor products are No. 123025 and 123035.

Standard: Manufacturer's standard

Tolerance nominal Ø: h7

Number of cutting edges Z: 2

Tolerance nominal Ø: h7

recommended maximum drilling depth L_2 : 112.3 mm

Overall length L: 178 mm

Shank Ø D_s : 14 mm

Feed f in steel < 1100 N/mm²: 0.26 mm/rev.

Technical description

| | |
|--|-------------------------|
| Nominal $\varnothing D_c$ | 12.5 mm |
| Number of cutting edges Z | 2 |
| Shank tolerance | h6 |
| Flute length L_c | 131 mm |
| Feed f in steel < 1100 N/mm ² | 0.26 mm/rev. |
| Tolerance nominal \varnothing | h7 |
| Shank $\varnothing D_s$ | 14 mm |
| Overall length L | 178 mm |
| Standard | Manufacturer's standard |
| recommended maximum drilling depth L_2 | 112.3 mm |
| Coating | TiAlN |
| Tool material | Solid carbide |
| Drill depth up to | 8xD |
| Point angle | 135 degrees |
| Shank | DIN 6535 HA to h6 |
| Through-coolant | yes, with 25 bar |
| Machining strategy | HPC |
| Semi-Standard | yes |
| Colour ring | green |
| Type of product | Jobber drill |

Services

| | |
|------------------------|-----------|
| Shank grinding Type HE | 129100 HE |
|------------------------|-----------|