

Garant
Solid carbide HPC drill plain shank DIN 6535 HA, TiAlN, Ø DC h7: 11 mm

Order data

| | |
|--------------|---------------|
| Order number | 123301 11 |
| GTIN | 4045197452542 |
| 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 $L_c = L_2 + 1.5 \times D_c$.

For process reliability when using the 12×D drill, an initial centre drilling with NC spotting drills No. 121068 – 121130 is necessary.

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

Form **HB**: order with **No. 123302**.

Form **HE**: order with **No. 123301 + 129100HE**.

NEW GENERATION AVAILABLE!

Recommended successor products are No. 123225 and 123235.

Standard: Manufacturer's standard

Tolerance nominal Ø: h7

Number of cutting edges Z: 2

Tolerance nominal Ø: h7

recommended maximum drilling depth L_2 : 139.5 mm

Overall length L: 204 mm

Shank Ø D_s : 12 mm

Feed f in steel < 1100 N/mm²: 0.2 mm/rev.

Technical description

| | |
|--|-------------------------|
| Flute length L_c | 156 mm |
| Number of cutting edges Z | 2 |
| Feed f in steel < 1100 N/mm ² | 0.2 mm/rev. |
| Shank tolerance | h6 |
| Nominal $\varnothing D_c$ | 11 mm |
| Tolerance nominal \varnothing | h7 |
| Shank $\varnothing D_s$ | 12 mm |
| Overall length L | 204 mm |
| Standard | Manufacturer's standard |
| recommended maximum drilling depth L_2 | 139.5 mm |
| Coating | TiAlN |
| Tool material | Solid carbide |
| Drill depth up to | 12×D |
| 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

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