

Garant
Solid carbide HPC drill Weldon shank DIN 6535 HB, TiAlN, Ø DC h7: 18 mm

Order data

Order number	123102 18
GTIN	4045197459015
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:

clamping slot length (see table) less 1.5×nominal Ø.

Note:

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

NEW GENERATION AVAILABLE!

Recommended successor products are No. 123026 and 123036.

Machining strategy: HPC

Standard: Manufacturer's standard

Tolerance nominal Ø: h7

Number of cutting edges Z: 2

Semi-Standard: yes

Tolerance nominal Ø: h7

recommended maximum drilling depth L_2 : 144 mm

Overall length L: 222 mm

Shank Ø D_s : 18 mm

Feed f in steel < 1100 N/mm²: 0.3 mm/rev.

Technical description

Nominal $\varnothing D_c$	18 mm
Feed f in steel < 1100 N/mm ²	0.3 mm/rev.
Number of cutting edges Z	2
Shank tolerance	h6
Flute length L_c	171 mm
Tolerance nominal \varnothing	h7
Shank $\varnothing D_s$	18 mm
Overall length L	222 mm
Standard	Manufacturer's standard
recommended maximum drilling depth L_2	144 mm
Semi-Standard	yes
Coating	TiAlN
Tool material	Solid carbide
Drill depth up to	8×D
Point angle	135 degrees
Shank	DIN 6535 HB to h6
Through-coolant	yes, with 25 bar
Machining strategy	HPC
Colour ring	green
Type of product	Jobber drill