

**Garant**
**Solid carbide HPC drill Weldon shank DIN 6535 HB, TiAlN, Ø DC m6: 1/2 mm**

**Order data**

Order number	123010 1/2
GTIN	4062406121143
Item class	11E

**Description**
**Version:**

Cutting chisel edge with **high centring accuracy** due to **strong core and special point geometry**. High roundness and alignment accuracy of the deep hole, thanks to **4 guide chamfers**. Outstanding chip evacuation due to **4 internal cooling channels** from Ø 3.8 mm. Up to 3.7 mm Ø with 2 internal cooling channels. **Straight major cutting edges** with honed edges and special flute profile for **short chips**, even on long chipping materials.

**Recommendation:**
**Maximum drilling depth:**

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

**Note:**

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

Machining strategy: HPC

Standard: Manufacturer's standard

Tolerance nominal Ø: m6

Number of cutting edges Z: 2

Semi-Standard: yes

Tolerance nominal Ø: m6

recommended maximum drilling depth  $L_2$ : 111.95 mm

Overall length L: 178 mm

Shank Ø  $D_s$ : 14 mm

Feed f in stainless steel > 900 N/mm<sup>2</sup>: 0.2 mm/rev.

**Technical description**

Flute length $L_c$	131 mm
Overall length L	178 mm
Number of cutting edges Z	2

Inch nominal Ø corresponds to	12.7 mm
Feed f in stainless steel > 900 N/mm <sup>2</sup>	0.2 mm/rev.
recommended maximum drilling depth L <sub>2</sub>	111.95 mm
Shank Ø D <sub>s</sub>	14 mm
Tolerance nominal Ø	m6
Standard	Manufacturer's standard
Semi-Standard	yes
Coating	TiAlN
Tool material	Solid carbide
Drill depth up to	8×D
Point angle	140 degrees
Shank	DIN 6535 HB to h6
Through-coolant	yes, with 25 bar
Machining strategy	HPC
Colour ring	blue
Type of product	Jobber drill