

## Garant

**Solid carbide HPC drill Weldon shank DIN 6535 HB, TiAlN, Ø DC m6: 8,1 mm**



### Order data

Order number	123010 8,1
GTIN	4045197572462
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  $L_2$ : 82.9 mm

Overall length L: 142 mm

Shank Ø  $D_s$ : 10 mm

Feed f in stainless steel > 900 N/mm<sup>2</sup>: 0.15 mm/rev.

### Technical description

Flute length $L_c$	95 mm
Feed f in stainless steel > 900 N/mm <sup>2</sup>	0.15 mm/rev.

Nominal $\varnothing D_c$	8.1 mm
Number of cutting edges Z	2
Shank tolerance	h6
Tolerance nominal $\varnothing$	m6
Shank $\varnothing D_s$	10 mm
Overall length L	142 mm
Standard	Manufacturer's standard
recommended maximum drilling depth $L_2$	82.9 mm
Semi-Standard	yes
Coating	TiAlN
Tool material	Solid carbide
Drill depth up to	8xD
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