

**Garant**
**Solid carbide HPC drill, plain shank DIN 6535 HA, TiAlSiN, Ø DC m7: 13mm**

**Order data**

Order number	122680 13
GTIN	4062406780203
Item class	11E

**Description**
**Version:**

Specially for machining **titanium-based and nickel-based alloys**. With wear-resistant, ultra-smooth TiAlSiN high-performance coating for a **long tool life** combined with **optimum bore quality** and **very low burr formation**.

**Note:**

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

HB and HE shanks are available at the same price as HA.

For **HB**: use order **No. 122681**.

For **HE**: use order **No. 122680** and **129100HE**.

**Technical description**

Feed $f$ in titanium $> 850 \text{ N/mm}^2$	0.16 mm/rev.
recommended maximum drilling depth $L_2$	57.5 mm
Tolerance nominal $\varnothing$	m7
Nominal $\varnothing D_c$	13 mm
Standard	DIN 6537
Overall length $L$	124 mm
Flute length $L_c$	77 mm
Number of cutting edges $Z$	2
Shank $\varnothing D_s$	14 mm
Coating	TiAlSiN

Tool material	Solid carbide
Version	6×D
Point angle	140 degrees
Shank	DIN 6535 HA to h6
Through-coolant	yes, with 25 bar
Machining strategy	HPC
Semi-Standard	yes
Colour ring	pink
Type of product	Jobber drill

### User data

	Suitability	V <sub>c</sub>	ISO code
Ti > 850 N/mm <sup>2</sup>	suitable		
Inconel	suitable		
wet maximum	suitable		

### Services

Shank grinding Type HE	129100 HE
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