



## Solid carbide high performance drill, plain shank DIN 6535 HA, TiN, Ø DC h7 (mm or inch): 13



### Order data

Order number	122340 13
GTIN	4045197045096
Item class	12E

### Description

#### Version:

Cutting chisel edge with **high centring accuracy** due to **strong core and special point geometry**. **Straight major cutting edges** with slightly honed edges and special flute profile produce **short chips**.

#### Note:

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

**NEW GENERATION AVAILABLE!**

**Recommended successor product is No. 122504.**

Versions with HB and HE shank available at the same price as HA.

**HB shank:** use order **No. 122345**.

**HE shank:** use order **No. 122355**.

### Technical description

Feed f in steel < 900 N/mm <sup>2</sup>	0.26 mm/rev.
Shank tolerance	h6
Nominal Ø D <sub>c</sub>	13 mm
Flute length L <sub>c</sub>	60 mm
Number of cutting edges Z	2
Tolerance nominal Ø	h7
Shank Ø D <sub>s</sub>	14 mm
Overall length L	107 mm

Standard	DIN 6537 K
recommended maximum drilling depth L <sub>2</sub>	40.5 mm
Coating	TiN
Tool material	Solid carbide
Version	4×D
Point angle	140 degrees
Shank	DIN 6535 HA to h6
Through-coolant	yes, with 25 bar
Semi-Standard	yes
Colour ring	green
Type of product	Jobber drill

## User data

	Suitability	V <sub>c</sub>	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	240 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	110 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	90 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	80 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable only under restricted conditions	65 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable only under restricted conditions	35 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	35 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable	30 m/min	M
Ti > 850 N/mm <sup>2</sup>	suitable	30 m/min	S
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable		

Air

suitable only under  
restricted conditions