

## Garant

**Solid carbide NC high performance drill FS, plain shank DIN 6535 HB, TiAlN, Ø DC h7: 4,1mm**



### Order data

Order number	122545 4,1
GTIN	4045197392688
Item class	11E

### Description

#### Version:

**Particularly strong** due to strengthened core and **special profile**. Special point geometry. **High concentricity** and **long tool life**. **Precision drilling qualities**.

#### Note:

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

### Technical description

Number of cutting edges Z	2
Nominal $\varnothing D_c$	4.1 mm
Flute length $L_c$	44 mm
Feed f in steel < 750 N/mm <sup>2</sup>	0.14 mm/rev.
Shank tolerance	h6
Tolerance nominal $\varnothing$	h7
Shank $\varnothing D_s$	6 mm
Overall length L	82 mm
Standard	DIN 6537
recommended maximum drilling depth $L_2$	37.9 mm
Coating	TiAlN
Tool material	Solid carbide

Version	6xD
Type	FS
Point angle	140 degrees
Shank	DIN 6535 HB to h6
Through-coolant	no
Semi-Standard	yes
Colour ring	green
Type of product	Jobber drill

### User data

	Suitability	V <sub>c</sub>	ISO code
Alu plastics	suitable	190 m/min	N
Aluminium (short chipping)	suitable	170 m/min	N
Alu > 10% Si	suitable	140 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	90 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	85 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	75 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	65 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable	40 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable only under restricted conditions	40 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable only under restricted conditions	30 m/min	M
Ti > 850 N/mm <sup>2</sup>	suitable only under restricted conditions	25 m/min	S
GG(G)	suitable only under restricted conditions	70 m/min	K
CuZn	suitable only under restricted conditions	160 m/min	N
Uni	suitable		

wet maximum	suitable
dry	suitable