



## Solid carbide high performance drill, Weldon shank DIN 6535 HB, TiAlN, Ø DC m7: 8,1 mm



### Order data

Order number	122406 8,1
GTIN	4045197424631
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  $L_c = L_2 + 1.5 \times D_c$ .

### Technical description

Feed $f$ in stainless steel $< 900 \text{ N/mm}^2$	0.1 mm/rev.
Shank tolerance	h6
Flute length $L_c$	47 mm
Nominal $\varnothing D_c$	8.1 mm
Number of cutting edges $Z$	2
Tolerance nominal $\varnothing$	m7
Shank $\varnothing D_s$	10 mm
Overall length $L$	89 mm
Standard	DIN 6537 K
recommended maximum drilling depth $L_2$	34.9 mm
Coating	TiAlN

Tool material	Solid carbide
Version	4xD
Point angle	140 degrees
Shank	DIN 6535 HB to h6
Through-coolant	yes, with 25 bar
Colour ring	blue
Type of product	Jobber drill

### User data

	Suitability	V <sub>c</sub>	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	140 m/min	N
Alu > 10% Si	suitable only under restricted conditions	120 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	60 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	45 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable	40 m/min	M
Ti > 850 N/mm <sup>2</sup>	suitable	30 m/min	S
GG	suitable only under restricted conditions	70 m/min	K
wet maximum	suitable		
wet minimum	suitable		
Air	suitable		