



## Solid carbide high performance drill plain shank DIN 6535 HA, TiAlN, Ø DC m7: 18,5mm



### Order data

Order number	122404 18,5
GTIN	4045197421005
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  $L_c = L_2 + 1.5 \times D_c$ .

Form HB and HE supplied at the same price as HA.

Form **HB**: order with **No. 122406**.

Form **HE**: order with **No. 122408**.

Through-coolant: yes, with 25 bar

Standard: DIN 6537 K

Tolerance nominal Ø: m7

Number of cutting edges Z: 2

recommended maximum drilling depth  $L_2$ : 51.3 mm

Tolerance nominal Ø: m7

Overall length L: 131 mm

Shank Ø  $D_s$ : 20 mm

Feed f in stainless steel < 900 N/mm<sup>2</sup>: 0.16 mm/rev.

### Technical description

Flute length $L_c$	79 mm
Feed f in stainless steel < 900 N/mm <sup>2</sup>	0.16 mm/rev.
Number of cutting edges Z	2

Shank tolerance	h6
Nominal $\varnothing D_c$	18.5 mm
Tolerance nominal $\varnothing$	m7
Shank $\varnothing D_s$	20 mm
Overall length L	131 mm
Standard	DIN 6537 K
recommended maximum drilling depth $L_2$	51.3 mm
Coating	TiAlN
Tool material	Solid carbide
Version	4xD
Point angle	140°
Shank	DIN 6535 HA to h6
Through-coolant	yes, with 25 bar
Colour ring	blue
Type of product	Jobber drill

## User data

	Suitability	$V_c$	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		