

Garant

Solid carbide HPC drill Weldon shank DIN 6535 HB, TiAlN, Ø DC m6 (mm or inch): 4,5



Order data

Order number	123214 4,5
GTIN	4045197573018
Item class	11E

Description

Version:

Cutting chisel edge with **high centring accuracy** due to **strong core and special point geometry**. High roundness and alignment accuracy of the deep hole, thanks to **4 guide chamfers**. Outstanding chip evacuation due to **4 internal cooling channels** from Ø 3.8 mm. Up to 3.7 mm Ø with 2 internal cooling channels. **Straight major cutting edges** with honed edges and special flute profile for **short chips**, even on long chipping materials.

Note:

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

For process reliability when using the 12×D drill, an initial centre drilling with No. 121068 – 121130 is necessary.

Standard: Manufacturer's standard

Tolerance nominal Ø: m6

Number of cutting edges Z: 2

recommended maximum drilling depth L_2 : 57.3 mm

Tolerance nominal Ø: m6

Overall length L: 102 mm

Shank Ø D_s : 6 mm

Feed f in stainless steel > 900 N/mm²: 0.08 mm/rev.

Technical description

Number of cutting edges Z	2
Feed f in stainless steel > 900 N/mm ²	0.08 mm/rev.
Shank tolerance	h6
Nominal Ø D_c	4.5 mm

Flute length L_c	64 mm
Tolerance nominal \varnothing	m6
Shank $\varnothing D_s$	6 mm
Overall length L	102 mm
Standard	Manufacturer's standard
recommended maximum drilling depth L_2	57.3 mm
Coating	TiAlN
Tool material	Solid carbide
Version	12xD
Point angle	135 °
Shank	DIN 6535 HB to h6
Through-coolant	yes, with 25 bar
Machining strategy	HPC
Semi-Standard	yes
Colour ring	blue
Type of product	Jobber drill

User data

	Suitability	V_c	ISO code
Steel < 500 N/mm ²	suitable	90 m/min	P
Steel < 750 N/mm ²	suitable	75 m/min	P
Steel < 900 N/mm ²	suitable	70 m/min	P
Steel < 1100 N/mm ²	suitable	55 m/min	P
Steel < 1400 N/mm ²	suitable	32 m/min	P
INOX < 900 N/mm ²	suitable	70 m/min	M
INOX > 900 N/mm ²	suitable	60 m/min	M
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable		

