

Garant

Solid carbide HPC drill Weldon shank DIN 6535 HB, TiAlN, Ø DC m6 (mm or inch): 1/2



Order data

Order number	123214 1/2
GTIN	4062406121280
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 : 162.95 mm

Tolerance nominal Ø: m6

Overall length L: 230 mm

Shank Ø D_s : 14 mm

Feed f in stainless steel > 900 N/mm²: 0.2 mm/rev.

Technical description

recommended maximum drilling depth L_2	162.95 mm
Overall length L	230 mm
Number of cutting edges Z	2
Standard	Manufacturer's standard

Shank $\varnothing D_s$	14 mm
Inch nominal \varnothing corresponds to	12.7 mm
Flute length L_c	182 mm
Feed f in stainless steel $> 900 \text{ N/mm}^2$	0.2 mm/rev.
Tolerance nominal \varnothing	m6
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 $< 500 \text{ N/mm}^2$	suitable	90 m/min	P
Steel $< 750 \text{ N/mm}^2$	suitable	75 m/min	P
Steel $< 900 \text{ N/mm}^2$	suitable	70 m/min	P
Steel $< 1100 \text{ N/mm}^2$	suitable	55 m/min	P
Steel $< 1400 \text{ N/mm}^2$	suitable	32 m/min	P
INOX $< 900 \text{ N/mm}^2$	suitable	70 m/min	M
INOX $> 900 \text{ N/mm}^2$	suitable	60 m/min	M
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable		

