

Garant

Solid carbide HPC drill Weldon shank DIN 6535 HB, TiAlN, Ø DC m6: 11,8 mm or inch



Order data

Order number	123214 11,8
GTIN	4045197573278
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.

Recommendation:

Maximum drilling depth:

clamping slot length (see table) less 1.5×nominal Ø.

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.

Machining strategy: HPC

Standard: Manufacturer's standard

Tolerance nominal Ø: m6

Number of cutting edges Z: 2

Semi-Standard: yes

Tolerance nominal Ø: m6

recommended maximum drilling depth L_2 : 138.3 mm

Overall length L: 204 mm

Shank Ø D_s : 12 mm

Feed f in stainless steel > 900 N/mm²: 0.15 mm/rev.

Technical description

Nominal Ø D_c	11.8 mm
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Shank tolerance	h6
Feed f in stainless steel > 900 N/mm ²	0.15 mm/rev.
Flute length L _c	156 mm
Number of cutting edges Z	2
Tolerance nominal Ø	m6
Shank Ø D _s	12 mm
Overall length L	204 mm
Standard	Manufacturer's standard
recommended maximum drilling depth L ₂	138.3 mm
Semi-Standard	yes
Coating	TiAlN
Tool material	Solid carbide
Drill depth up to	12×D
Point angle	135 degrees
Shank	DIN 6535 HB to h6
Through-coolant	yes, with 25 bar
Machining strategy	HPC
Colour ring	blue
Type of product	Jobber drill