

Garant
Solid carbide HPC drill Weldon shank DIN 6535 HB, TiAlN, Ø DC m6: 3/16 mm or inch

Order data

Order number	123214 3/16
GTIN	4062406121181
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 : 70.86 mm

Overall length L: 116 mm

Shank Ø D_s : 6 mm

Feed f in stainless steel $> 900 \text{ N/mm}^2$: 0.08 mm/rev.

Technical description

Number of cutting edges Z	2
---------------------------	---

Shank Ø D _s	6 mm
Flute length L _c	78 mm
Inch nominal Ø corresponds to	4.76 mm
Tolerance nominal Ø	m6
recommended maximum drilling depth L ₂	70.86 mm
Overall length L	116 mm
Standard	Manufacturer's standard
Feed f in stainless steel > 900 N/mm ²	0.08 mm/rev.
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