

Garant

Solid carbide special drill DIN 6535 HA, uncoated, Ø DC ±0.003: 1,99 mm



Order data

Order number	121201 1,99
GTIN	4045197715470
Item class	11E

Description

Version:

Spiral flute precision drill for plastics. **Self-centring** with **1-cutter geometry**, achieves **very high alignment accuracy**. **Polished** helical flutes for **optimum chip evacuation**.

Maintains the **tolerance band IT7** from entry Ø through to exit Ø, **due to special point geometry**.

Recommendation:

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

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.121201 + 129100HB**.

Form **HE**: order with **No.121201 + 129100HE**.

Semi-Standard: yes

Standard: Manufacturer's standard

Tolerance nominal Ø: ±0.003

Number of cutting edges Z: 1

Tolerance nominal Ø: ±0.003

recommended maximum drilling depth L_2 : 11.1 mm

Overall length L: 50 mm

Shank Ø D_s : 3 mm

Feed f in PEEK: 0.1 mm/rev.

Technical description

Flute length L_c	14 mm
Shank tolerance	h6

Nominal $\varnothing D_c$	1.99 mm
Number of cutting edges Z	1
Tolerance nominal \varnothing	± 0.003
Shank $\varnothing D_s$	3 mm
Overall length L	50 mm
Feed f in PEEK	0.1 mm/rev.
Standard	Manufacturer's standard
recommended maximum drilling depth L_2	11.1 mm
Coating	uncoated
Tool material	Solid carbide
Drill depth up to	5xD
Point angle	120 degrees
Shank	DIN 6535 HA to h6
Through-coolant	no
Semi-Standard	yes
Colour ring	without
Type of product	Jobber drill