

Garant

Solid carbide special drill DIN 6535 HA, uncoated, Ø DC ±0.003: 4,99 mm



Order data

Order number	121201 4,99
GTIN	4045197715685
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:

Maximum drilling depth:

flute length (see table) less 1.5×nominal Ø.

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**.

Through-coolant: no

Standard: DIN 6537

Tolerance nominal Ø: ±0.003

Number of cutting edges Z: 1

Semi-Standard: yes

Tolerance nominal Ø: ±0.003

recommended maximum drilling depth L_2 : 36.6 mm

Overall length L: 82 mm

Shank Ø D_s : 6 mm

Feed f in PEEK: 0.15 mm/rev.

Technical description

Number of cutting edges Z	1
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Flute length L_c	44 mm
Shank tolerance	h6
Nominal $\varnothing D_c$	4.99 mm
Tolerance nominal \varnothing	± 0.003
Shank $\varnothing D_s$	6 mm
Overall length L	82 mm
Feed f in PEEK	0.15 mm/rev.
Standard	DIN 6537
recommended maximum drilling depth L_2	36.6 mm
Semi-Standard	yes
Coating	uncoated
Tool material	Solid carbide
Drill depth up to	5×D
Point angle	120 degrees
Shank	DIN 6535 HA to h6
Through-coolant	no
Colour ring	without
Type of product	Jobber drill

Services

Shank grinding Type HE	129100 HE
Shank grinding Type HB	129100 HB