

## Garant

**Solid carbide special drill DIN 6535 HA, uncoated, Ø DC ±0.003: 11,99 mm**



### Order data

Order number	121201 11,99
GTIN	4045197857873
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  $L_2$ : 53.1 mm

Overall length L: 118 mm

Shank Ø  $D_s$ : 12 mm

Feed f in PEEK: 0.25 mm/rev.

### Technical description

Nominal Ø $D_c$	11.99 mm
Standard	Manufacturer's standard

Shank $\varnothing D_s$	12 mm
Tolerance nominal $\varnothing$	$\pm 0.003$
Number of cutting edges Z	1
Overall length L	118 mm
Feed f in PEEK	0.25 mm/rev.
recommended maximum drilling depth $L_2$	53.1 mm
Flute length $L_c$	71 mm
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
Semi-Standard	yes
Colour ring	without
Type of product	Jobber drill

## Services

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