

## Garant

### Solid carbide drill plain shank multi-directional DIN 6535 HA, Diamond, Ø DC m7: 4,5 mm



#### Order data

Order number	122512 4,5
GTIN	4062406349028
Item class	11Y

#### Description

##### IMPORTANT: item is configurable

##### Version:

With the latest generation of **crystalline diamond coating sp<sup>3</sup>**, for process reliability in machining **fibre-reinforced composites, CRP, GRP, and graphite. With 90° point angle** and special geometry to **avoid delamination.**

**With guide chamfer** for materials with **multi-directional** fibre orientation.

##### Recommendation:

##### Maximum drilling depth:

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

##### Note:

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

Available in **1/100 sizes** and according to the table.

Tolerance nominal Ø: m7

Number of cutting edges Z: 2

Ø range (1/100 size): 4.01 - 4.99 mm

recommended maximum drilling depth  $L_2$ : 29.3 mm

Overall length L: 74 mm

Shank Ø  $D_s$ : 6 mm

Feed f in GRP CRP: 0.06 mm/rev.

#### Technical description

Number of cutting edges Z	2
Nominal Ø $D_c$	4.5 mm
Shank tolerance	h6

Ø range (1/100 size)	4.01 - 4.99 mm
Overall length L	74 mm
Shank Ø D <sub>s</sub>	6 mm
Flute length L <sub>c</sub>	36 mm
Feed f in GRP CRP	0.06 mm/rev.
recommended maximum drilling depth L <sub>2</sub>	29.3 mm
Tolerance nominal Ø	m7
Coating	Diamond
Tool material	Solid carbide
Standard	Manufacturer's standard
Drill depth up to	5×D
Point angle	90 degrees
Shank	DIN 6535 HA to h6
Through-coolant	no
Colour ring	black
Type of product	Jobber drill