

Garant

Solid carbide drill IC plain shank unidirectional DIN 6535 HA, Diamond, Ø DC m7: 7 mm



Order data

Order number	122532 7
GTIN	4062406349189
Item class	11Y

Description

Version:

With the latest generation of **crystalline diamond coating sp³**, for process reliability in machining **fibre-reinforced composites, CRP, GRP, and graphite. With 90° point angle** and special geometry to **avoid delamination.**

Under optimum conditions of use, the **double flute face** can generate high precision holes (**roundness < 15 µm to base tolerance IT 7**). Low heat generation due to **internal cooling** permits **higher speeds and feeds.**

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): 6.01 - 7.99 mm

recommended maximum drilling depth L_2 : 42.5 mm

Overall length L: 91 mm

Shank Ø D_s : 8 mm

Feed f in GRP CRP: 0.11 mm/rev.

Technical description

Tolerance nominal Ø	m7
Overall length L	91 mm

Number of cutting edges Z	2
Ø range (1/100 size)	6.01 - 7.99 mm
Nominal Ø D _c	7 mm
recommended maximum drilling depth L ₂	42.5 mm
Shank tolerance	h6
Shank Ø D _s	8 mm
Flute length L _c	53 mm
Feed f in GRP CRP	0.11 mm/rev.
Coating	Diamond
Tool material	Solid carbide
Standard	Manufacturer's standard
Drill depth up to	5×D
Point angle	90 degrees
Cutting direction	right-hand
Shank	DIN 6535 HA to h6
Through-coolant	yes, with 25 bar
Colour ring	black
Type of product	Jobber drill