

Garant

Deep hole drill HSS-E, TiAlN, Ø DC h8: 3,1 mm



Order data

Order number	116063 3,1
GTIN	4045197871138
Item class	11B

Description

Version:

Significantly **strengthened core** without taper.

Precision ground point.

With **specially shaped slots**. Designed for deep holes up to 10×D and materials with critical chip formation characteristics.

With **TiAlN coating** for long tool lives.

Recommendation:

Maximum drilling depth:

$$L_2 = L_c - 1.5 \times D_c.$$

Note:

Suitable NC spotting drills No. 112120, 112140 and 112170 with **142° tip angle** for enhanced process reliability

Through-coolant: no

Standard: DIN 340

Tolerance nominal Ø: h8

Point angle: 130 degrees

Number of cutting edges Z: 2

recommended maximum drilling depth L_2 : 64.4 mm

Flute length L_c : 69 mm

Overall length L: 106 mm

Shank Ø D_s : 3.1 mm

Feed f in steel < 750 N/mm²: 0.03 mm/rev.

Technical description

Tolerance nominal Ø	h8
Feed f in steel < 750 N/mm ²	0.03 mm/rev.

Nominal $\varnothing D_c$	3.1 mm
Shank $\varnothing D_s$	3.1 mm
Overall length L	106 mm
recommended maximum drilling depth L_2	64.4 mm
Flute length L_c	69 mm
Number of cutting edges Z	2
Standard	DIN 340
Point angle	130 degrees
Coating	TiAlN
Tool material	HSS E
Type	FS
Helix angle	38 degrees
Shank	Plain shank
Through-coolant	no
Colour ring	without
Type of product	Jobber drill