

## Garant

### Jobber drill long HSS N, uncoated, Ø DC h8: 3,3 mm



#### Order data

Order number	116000 3,3
GTIN	4045197025357
Item class	11B

#### Description

##### Version:

Vaporised from 2.4 mm. Particularly for deep hole drilling (for deep holes, repeated chip evacuation is necessary).

With point geometry shape A from size 4 mm.

##### Advantage:

Especially suitable for **long reach purposes**. (When used to drill deep holes, low feed rates and frequent drill pecks are necessary).

##### Recommendation:

##### Maximum drilling depth:

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

##### Note:

Suitable NC spotting drills No. 112103, 112110 and 112160 with **120° tip angle** for enhanced process reliability.

Through-coolant: no

Standard: DIN 340

Tolerance nominal Ø: h8

Point angle: 118 degrees

Number of cutting edges Z: 2

recommended maximum drilling depth  $L_2$ : 64.1 mm

Flute length  $L_c$ : 69 mm

Overall length L: 106 mm

Shank Ø  $D_s$ : 3.3 mm

Feed f in steel < 750 N/mm<sup>2</sup>: 0.02 mm/rev.

#### Technical description

Flute length $L_c$	69 mm
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Number of cutting edges Z	2
Feed f in steel < 750 N/mm <sup>2</sup>	0.02 mm/rev.
Nominal $\varnothing$ D <sub>c</sub>	3.3 mm
Tolerance nominal $\varnothing$	h8
Shank $\varnothing$ D <sub>s</sub>	3.3 mm
Overall length L	106 mm
Standard	DIN 340
recommended maximum drilling depth L <sub>2</sub>	64.1 mm
Point angle	118 degrees
Coating	uncoated
Tool material	HSS
Type	N
Shank	Plain shank
Through-coolant	no
Colour ring	without
Type of product	Jobber drill