

## Garant

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



#### Order data

Order number	116040 3,3
GTIN	4045197025777
Item class	11B

#### Description

##### Version:

With point geometry shape A from size 2.5 mm.

Strengthened core **without core taper**. Precision ground point. Wide flutes with heavily honed back edges. Bright ground surface finish.

##### Advantage:

For deep hole drilling and for use with drill bushings.

##### Recommendation:

Maximum drilling depth:

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

##### 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<sub>2</sub>: 64.05 mm

Flute length L<sub>c</sub>: 69 mm

Overall length L: 106 mm

Shank Ø D<sub>s</sub>: 3.3 mm

Feed f in aluminium short-chipping: 0.05 mm/rev.

#### Technical description

Feed f in aluminium short-chipping	0.05 mm/rev.
Number of cutting edges Z	2

Nominal $\varnothing D_c$	3.3 mm
Flute length $L_c$	69 mm
Tolerance nominal $\varnothing$	h8
Shank $\varnothing D_s$	3.3 mm
Overall length L	106 mm
Standard	DIN 340
recommended maximum drilling depth $L_2$	64.05 mm
Point angle	130 degrees
Coating	uncoated
Tool material	HSS
Type	W
Helix angle	30-40 degrees
Shank	Plain shank
Through-coolant	no
Colour ring	yellow
Type of product	Jobber drill