

## Garant

### Jobber drill, long, HSS-E N, uncoated, Ø DC h8: 3,5 mm



#### Order data

|              |               |
|--------------|---------------|
| Order number | 116065 3,5    |
| GTIN         | 4045197270528 |
| Item class   | 11B           |

#### Description

##### Version:

Profile ground. Standard core thickness and core taper. Bright finish.  
With point geometry shape AC from 2 mm.

##### Advantage:

For drilling with drill bushes or long reach applications.  
For high-tensile tempered steels, **including TOOLOX**.

##### 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  $L_2$ : 67.8 mm

Flute length  $L_c$ : 73 mm

Overall length L: 112 mm

Shank Ø  $D_s$ : 3.5 mm

Feed  $f$  in steel < 1100 N/mm<sup>2</sup>: 0.02 mm/rev.

#### Technical description

|  |              |
|--|--------------|
| Nominal Ø $D_c$                            | 3.5 mm       |
| Feed $f$ in steel < 1100 N/mm <sup>2</sup> | 0.02 mm/rev. |

|  |               |
|--|---------------|
| Flute length $L_c$                       | 73 mm         |
| Number of cutting edges Z                | 2             |
| Tolerance nominal $\varnothing$          | h8            |
| Shank $\varnothing D_s$                  | 3.5 mm        |
| Overall length L                         | 112 mm        |
| Standard                                 | DIN 340       |
| recommended maximum drilling depth $L_2$ | 67.8 mm       |
| Point angle                              | 118 degrees   |
| Coating                                  | uncoated      |
| Tool material                            | HSS E         |
| Type                                     | N             |
| Helix angle                              | 35-40 degrees |
| Shank                                    | Plain shank   |
| Through-coolant                          | no            |
| Colour ring                              | red           |
| Type of product                          | Jobber drill  |