

Garant

Jobber drill, long, HSS-E N, uncoated, Ø DC h8: 4,5 mm



Order data

Order number	116065 4,5
GTIN	4045197270597
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 : 75.3 mm

Flute length L_c : 82 mm

Overall length L: 126 mm

Shank Ø D_s : 4.5 mm

Feed f in steel < 1100 N/mm²: 0.05 mm/rev.

Technical description

Nominal Ø D_c	4.5 mm
Flute length L_c	82 mm

Number of cutting edges Z	2
Feed f in steel < 1100 N/mm ²	0.05 mm/rev.
Tolerance nominal Ø	h8
Shank Ø D _s	4.5 mm
Overall length L	126 mm
Standard	DIN 340
recommended maximum drilling depth L ₂	75.3 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