

Garant

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



Order data

Order number	116000 4,5
GTIN	4045197025449
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:

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

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 : 75.25 mm

Flute length L_c : 82 mm

Overall length L: 126 mm

Shank Ø D_s : 4.5 mm

Feed f in steel < 750 N/mm²: 0.04 mm/rev.

Technical description

Nominal Ø D_c	4.5 mm
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Feed f in steel < 750 N/mm ²	0.04 mm/rev.
Number of cutting edges Z	2
Flute length L _c	82 mm
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	75.25 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