

Garant
Jobber drill long HSS N, uncoated, Ø DC h8: 13 mm

Order data

Order number	116000 13
GTIN	4045197025708
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 : 114.5 mm

Flute length L_c : 134 mm

Overall length L: 205 mm

Shank Ø D_s : 13 mm

Feed f in steel < 750 N/mm²: 0.011 mm/rev.

Technical description

Feed f in steel < 750 N/mm ²	0.011 mm/rev.
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Nominal $\varnothing D_c$	13 mm
Flute length L_c	134 mm
Number of cutting edges Z	2
Tolerance nominal $\varnothing$	h8
Shank $\varnothing D_s$	13 mm
Overall length L	205 mm
Standard	DIN 340
recommended maximum drilling depth L_2	114.5 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