

Garant**Jobber drill extra long HSS N, uncoated, Ø DC h8 × overall length L: 13X295 mm****Order data**

Order number	116245 13X295
GTIN	4062406264673
Item class	11B

Description**Version:**

With precision ground point.

Vaporised high performance drills for drilling particularly deep holes. Take particular care to ensure **frequent chip clearance**.

Recommendation:

Maximum drilling depth:

Flute length L_c (see table) less $1.5 \times \varnothing D_c$.

Note:

Suitable NC spotting drills No. 112103, 112110 and 112160 with **120° tip angle** for enhanced process reliability

Through-coolant: no

Standard: DIN 1869

Tolerance nominal $\varnothing$: h8

Point angle: 118 degrees

Number of cutting edges Z: 2

Flute length L_c : 205 mm

Overall length L: 295 mm

Shank $\varnothing D_s$: 13 mm

Feed f in steel < 750 N/mm^2 : 0.1 mm/rev.

Technical description

Point angle	118 degrees
Nominal $\varnothing D_c$	13 mm
Standard	DIN 1869

Tolerance nominal Ø	h8
Number of cutting edges Z	2
Shank Ø D _s	13 mm
Feed f in steel < 750 N/mm ²	0.1 mm/rev.
Flute length L _c	205 mm
Overall length L	295 mm
Coating	uncoated
Tool material	HSS
Type	N
Helix angle	38 degrees
Shank	Plain shank
Through-coolant	no
Colour ring	without
Type of product	Jobber drill