

Garant**Jobber drill extra long HSS N, uncoated, Ø DC h8 × overall length L: 4X280 mm****Order data**

Order number	116245 4X280
GTIN	4045197745781
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 : 190 mm

Overall length L: 280 mm

Shank $\varnothing D_s$: 4 mm

Feed f in steel < 750 N/mm^2 : 0.05 mm/rev.

Technical description

Tolerance nominal \varnothing	h8
Number of cutting edges Z	2
Shank $\varnothing D_s$	4 mm

Feed f in steel < 750 N/mm ²	0.05 mm/rev.
Flute length L _c	190 mm
Overall length L	280 mm
Nominal Ø D _c	4 mm
Standard	DIN 1869
Point angle	118 degrees
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