

Garant

Jobber drill extra long HSS N, uncoated, Ø DC h8 × overall length L: 4,5X235 mm



Order data

Order number	116245 4,5X235
GTIN	4045197745804
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 : 160 mm

Overall length L: 235 mm

Shank $\varnothing D_s$: 4.5 mm

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

Technical description

Shank $\varnothing D_s$	4.5 mm
Number of cutting edges Z	2
Standard	DIN 1869

Overall length L	235 mm
Tolerance nominal \varnothing	h8
Feed f in steel < 750 N/mm ²	0.05 mm/rev.
Flute length L _c	160 mm
Nominal \varnothing D _c	4.5 mm
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