

## Garant

### Jobber drill extra long HSS N, uncoated, Ø DC h8 × overall length L: 9,5X320 mm



#### Order data

Order number	116245 9,5X320
GTIN	4045197746023
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  $L_c$ : 220 mm

Overall length L: 320 mm

Shank  $\varnothing D_s$ : 9.5 mm

Feed f in steel <  $750 \text{ N/mm}^2$ : 0.1 mm/rev.

#### Technical description

Flute length $L_c$	220 mm
Overall length L	320 mm
Shank $\varnothing D_s$	9.5 mm

Feed f in steel < 750 N/mm <sup>2</sup>	0.1 mm/rev.
Number of cutting edges Z	2
Tolerance nominal Ø	h8
Standard	DIN 1869
Nominal Ø D <sub>c</sub>	9.5 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