

## Garant

### Jobber drill, extra long HSS-E N, TiAlN, Ø DC h8×overall length: 5X195 mm



#### Order data

Order number	116285 5X195
GTIN	4045197326881
Item class	11B

#### Description

##### Version:

TiAlN and anti-friction coating, low wear and low tendency to edge build-up.  
With point geometry shape C.

##### Advantage:

Flute length to DIN 340. For high-tensile tempered steels, **including TOOLOX.**

##### Recommendation:

##### Maximum drilling depth:

flute length (see table) less 1.5×nominal Ø.

##### 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 Ø: h8

Point angle: 118 degrees

Number of cutting edges Z: 2

recommended maximum drilling depth  $L_2$ : 79.5 mm

Flute length  $L_c$ : 87 mm

Overall length L: 195 mm

Shank Ø  $D_s$ : 5 mm

Feed f in steel < 750 N/mm<sup>2</sup>: 0.07 mm/rev.

#### Technical description

Number of cutting edges Z	2
Nominal Ø $D_c$	5 mm
Flute length $L_c$	87 mm

Feed f in steel < 750 N/mm <sup>2</sup>	0.07 mm/rev.
Tolerance nominal Ø	h8
Shank Ø D <sub>s</sub>	5 mm
Overall length L	195 mm
Standard	DIN 1869
recommended maximum drilling depth L <sub>2</sub>	79.5 mm
Point angle	118 degrees
Coating	TiAlN
Tool material	HSS E
Type	N
Helix angle	38 degrees
Shank	Plain shank
Through-coolant	no
Colour ring	red
Type of product	Jobber drill