

## Garant

### Jobber drill extra long HSS FS, uncoated, Ø DC h8 × overall length L: 5X195 mm



#### Order data

Order number	116240 5X195
GTIN	4045197028716
Item class	11B

#### Description

##### Version:

With precision ground point.

Significantly strengthened core without core taper. Bright finish flutes, nitrided chamfers.

With point geometry shape C.

##### Advantage:

**Special deep hole drills. For particularly deep or recessed holes.** Good chip evacuation due to parabolic flutes, resulting in fewer chip evacuations even in particularly deep holes.

##### Recommendation:

Maximum drilling depth:

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

##### Note:

Suitable NC spotting drills No. 112120, 112140 and 112170 with **142° tip angle** for enhanced process reliability

Through-coolant: no

Standard: DIN 1869

Tolerance nominal  $\varnothing$ : h8

Point angle: 130 degrees

Number of cutting edges Z: 2

Flute length  $L_c$ : 135 mm

Overall length L: 195 mm

Shank  $\varnothing D_s$ : 5 mm

Feed  $f$  in steel  $< 750 \text{ N/mm}^2$ : 0.07 mm/rev.

#### Technical description

Nominal $\varnothing D_c$	5 mm
---------------------------	------

Flute length $L_c$	135 mm
Number of cutting edges Z	2
Feed f in steel < 750 N/mm <sup>2</sup>	0.07 mm/rev.
Tolerance nominal $\varnothing$	h8
Shank $\varnothing D_s$	5 mm
Overall length L	195 mm
Standard	DIN 1869
Point angle	130 degrees
Coating	uncoated
Tool material	HSS
Type	FS
Helix angle	38 degrees
Shank	Plain shank
Through-coolant	no
Colour ring	without
Type of product	Jobber drill