

## Garant

### Jobber drill extra long HSS FS, uncoated, Ø DC h8 × overall length L: 3,5X210 mm



#### Order data

Order number	116240 3,5X210
GTIN	4045197028655
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  $L_c$ : 145 mm

Overall length L: 210 mm

Shank  $\varnothing D_s$ : 3.5 mm

Feed  $f$  in steel  $< 750 \text{ N/mm}^2$ : 0.05 mm/rev.

#### Technical description

Nominal $\varnothing D_c$	3.5 mm
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Feed f in steel < 750 N/mm <sup>2</sup>	0.05 mm/rev.
Number of cutting edges Z	2
Flute length L <sub>c</sub>	145 mm
Tolerance nominal Ø	h8
Shank Ø D <sub>s</sub>	3.5 mm
Overall length L	210 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