

## Garant

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



### Order data

Order number	116250 3,5X210
GTIN	4062406265793
Item class	11B

### Description

#### Version:

With precision ground point.

Special 4-chamfer relief ground for very good guidance within the bore. 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

Number of cutting edges Z	2
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Point angle	130 degrees
Flute length $L_c$	145 mm
Standard	DIN 1869
Nominal $\varnothing D_c$	3.5 mm
Tolerance nominal $\varnothing$	h8
Shank $\varnothing D_s$	3.5 mm
Feed f in steel < 750 N/mm <sup>2</sup>	0.05 mm/rev.
Overall length L	210 mm
Coating	uncoated
Tool material	HSS E
Type	FS
Helix angle	38 degrees
Shank	Plain shank
Through-coolant	no
Colour ring	without
Type of product	Jobber drill