

Garant

Jobber drill, extra long HSS-E FS, TiAlN, Ø DC h8 × overall length L: 4,5X235 mm



Order data

Order number	116280 4,5X235
GTIN	4045197029058
Item class	11B

Description

Version:

With point geometry shape C.

Advantage:

Particularly suitable for drilling under difficult conditions, e.g. insufficient cooling of the cutting edges due to poor chip evacuation.

Recommendation:

Maximum drilling depth:

$$L_2 = L_c - 1.5 \times D_c$$

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 Ø: h8

Point angle: 135 degrees

Number of cutting edges Z: 2

recommended maximum drilling depth L_2 : 153.3 mm

Flute length L_c : 160 mm

Overall length L: 235 mm

Shank Ø D_s : 4.5 mm

Feed f in steel < 750 N/mm²: 0.05 mm/rev.

Technical description

Feed f in steel < 750 N/mm ²	0.05 mm/rev.
Number of cutting edges Z	2

Flute length L_c	160 mm
Nominal $\varnothing D_c$	4.5 mm
Tolerance nominal \varnothing	h8
Shank $\varnothing D_s$	4.5 mm
Overall length L	235 mm
Standard	DIN 1869
recommended maximum drilling depth L_2	153.3 mm
Point angle	135 degrees
Coating	TiAlN
Tool material	HSS E
Type	FS
Helix angle	38 degrees
Shank	Plain shank
Through-coolant	no
Colour ring	without
Type of product	Jobber drill