

## Garant

### Deep hole drill HSS-E, uncoated, Ø DC h8: 12 mm



#### Order data

Order number	116061 12
GTIN	4045197027054
Item class	11B

#### Description

##### Version:

Significantly **strengthened core** without taper.

Precision ground point.

With **specially shaped slots**. Designed for deep holes up to 10×D and materials with critical chip formation characteristics.

##### 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 340

Tolerance nominal Ø: h8

Point angle: 130 degrees

Number of cutting edges Z: 2

recommended maximum drilling depth  $L_2$ : 116 mm

Flute length  $L_c$ : 134 mm

Overall length L: 205 mm

Shank Ø  $D_s$ : 12 mm

Feed f in steel < 500 N/mm<sup>2</sup>: 0.25 mm/rev.

#### Technical description

Flute length $L_c$	134 mm
Nominal Ø $D_c$	12 mm
Feed f in steel < 500 N/mm <sup>2</sup>	0.25 mm/rev.

Number of cutting edges Z	2
Tolerance nominal $\varnothing$	h8
Shank $\varnothing D_s$	12 mm
Overall length L	205 mm
Standard	DIN 340
recommended maximum drilling depth $L_2$	116 mm
Point angle	130 degrees
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