

Garant

Deep hole drill HSS-E, uncoated, Ø DC h8: 4,5 mm



Order data

Order number	116061 4,5
GTIN	4045197026804
Item class	11B

Description

Version:

Significantly **strengthened core** without taper.

Precision ground point.

With **specialty 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 : 75.3 mm

Flute length L_c : 82 mm

Overall length L: 126 mm

Shank Ø D_s : 4.5 mm

Feed f in steel < 500 N/mm²: 0.05 mm/rev.

Technical description

Feed f in steel < 500 N/mm ²	0.05 mm/rev.
Flute length L_c	82 mm
Nominal Ø D_c	4.5 mm

Number of cutting edges Z	2
Tolerance nominal \varnothing	h8
Shank $\varnothing D_s$	4.5 mm
Overall length L	126 mm
Standard	DIN 340
recommended maximum drilling depth L_2	75.3 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