

Garant
Deep hole drill HSS-E, TiAlN, Ø DC h8: 13 mm

Order data

Order number	116063 13
GTIN	4045197871473
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.

With **TiAlN coating** for long tool lives.

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 : 114.5 mm

Flute length L_c : 134 mm

Overall length L: 205 mm

Shank Ø D_s : 13 mm

Feed f in steel < 750 N/mm²: 0.17 mm/rev.

Technical description

Feed f in steel < 750 N/mm ²	0.17 mm/rev.
Shank Ø D_s	13 mm

Overall length L	205 mm
recommended maximum drilling depth L ₂	114.5 mm
Number of cutting edges Z	2
Flute length L _c	134 mm
Tolerance nominal Ø	h8
Nominal Ø D _c	13 mm
Standard	DIN 340
Point angle	130 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