

Garant**Deep hole drill HSS-E, TiAlN, Ø DC h8: 4,8 mm****Order data**

Order number	116063 4,8
GTIN	4045197871251
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 : 79.8 mm

Flute length L_c : 87 mm

Overall length L: 132 mm

Shank Ø D_s : 4.8 mm

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

Technical description

Number of cutting edges Z	2
Overall length L	132 mm

Flute length L_c	87 mm
Standard	DIN 340
Tolerance nominal $\varnothing$	h8
Feed f in steel $< 750 \text{ N/mm}^2$	0.05 mm/rev.
Nominal $\varnothing D_c$	4.8 mm
Shank $\varnothing D_s$	4.8 mm
recommended maximum drilling depth L_2	79.8 mm
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