

Garant**Solid carbide NC spotting drill 90° extra long spiral flutes, TiAlN, Ø DC h6: 10 mm****Order data**

Order number	121051 10
GTIN	4062406120733
Item class	11E

Description**Version:**

Exactly **central ground point**. **Easy spot drilling** and **high shape accuracy** of the centre hole. Sturdy due to short flutes.

Extra long version.**Application:**

Point angle **90°** for spot drilling and countersinking in one operation when a drill of smaller Ø is used afterwards.

Note:

HB and HE shanks are available at the same price as HA. (from Ø 6 mm)

form **HB**: order with **No. 121050**.

Form **HE**: order with **No. 121051 + 129100 HE**.

Use the speed for the actual hole Ø (not generally the speed for the drill outer Ø).

Through-coolant: no

Shank: DIN 6535 HA to h6

recommended maximum drilling depth L_2 : 9 mm

Flute length L_c : 24 mm

Overall length L: 170 mm

Shank Ø D_s : 10 mm

Feed f in steel < 1100 N/mm²: 0.03 mm/rev.

Technical description

Shank tolerance	h6
Shank Ø D_s	10 mm
Nominal Ø D_c	10 mm

recommended maximum drilling depth L_2	9 mm
Flute length L_c	24 mm
Overall length L	170 mm
Shank	DIN 6535 HA to h6
Feed f in steel $< 1100 \text{ N/mm}^2$	0.03 mm/rev.
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Tolerance nominal $\varnothing$	h6
Point angle	90 degrees
Number of cutting edges Z	2
Through-coolant	no
Colour ring	without

Services

Shank grinding Type HB	129100 HB
Shank grinding Type HE	129100 HE