

Garant
Solid carbide NC spotting drill 90° extra long spiral flutes, TiAlN, Ø DC h6: 12 mm

Order data

Order number	121051 12
GTIN	4062406120740
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

Flute length L_c : 24 mm

Overall length L: 170 mm

Shank Ø D_s : 12 mm

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

Technical description

Overall length L	170 mm
Nominal Ø D_c	12 mm
Feed f in steel < 1100 N/mm ²	0.03 mm/rev.
Flute length L_c	24 mm

Shank $\varnothing D_s$	12 mm
Shank	DIN 6535 HA to h6
Shank tolerance	h6
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
Type of product	Spotting drill

Services

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