

Garant**Solid carbide NC spotting drill 90° extra long spiral flutes, TiAlN, Ø DC h6: 20 mm****Order data**

Order number	121051 20
GTIN	4062406120764
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 : 5 mm

Flute length L_c : 35 mm

Overall length L: 200 mm

Shank Ø D_s : 20 mm

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

Technical description

Flute length L_c	35 mm
recommended maximum drilling depth L_2	5 mm
Shank Ø D_s	20 mm

Shank	DIN 6535 HA to h6
Shank tolerance	h6
Feed f in steel < 1100 N/mm ²	0.03 mm/rev.
Nominal Ø D _c	20 mm
Overall length L	200 mm
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Tolerance nominal Ø	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