

**Garant**
**Solid carbide NC precision spotting drill 90°, uncoated, Ø DC h6: 20 mm**


## Order data

Order number	121019 20
GTIN	4045197647719
Item class	11E

## Description

### Version:

**Self-centring** with **1-cutter geometry**, achieves **very high alignment accuracy**.

### Application:

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

### Note:

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

**Maintain a feed rate  $f = 0.015$  mm/rev!**

Through-coolant: no

Shank: DIN 6535 HA to h6

Flute length  $L_c$ : 20 mm

Overall length L: 100 mm

Shank Ø  $D_s$ : 20 mm

Feed  $f$  in steel < 1100 N/mm<sup>2</sup>: 0.015 mm/rev.

## Technical description

Feed $f$ in steel < 1100 N/mm <sup>2</sup>	0.015 mm/rev.
Shank tolerance	h6
Flute length $L_c$	20 mm
Nominal Ø $D_c$	20 mm
Shank Ø $D_s$	20 mm
Overall length L	100 mm
Shank	DIN 6535 HA to h6

Coating	uncoated
Tool material	Solid carbide
Standard	Manufacturer's standard
Tolerance nominal $\varnothing$	h6
Point angle	90 degrees
Number of cutting edges Z	1
Through-coolant	no
Colour ring	without
Type of product	Spotting drill