

**Garant**
**Solid carbide NC spotting drill 90° spiral flutes, uncoated, Ø DC h6: 4mm**

**Order data**

Order number	121020 4
GTIN	4045197038432
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.

≥ Ø 6 mm with HB drive flat.

**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).

Through-coolant: no

Shank: DIN 6535 HA to h6

Flute length  $L_c$ : 10 mm

Overall length L: 40 mm

Shank Ø  $D_s$ : 4 mm

Feed f in steel < 1100 N/mm<sup>2</sup>: 0.03 mm/rev.

**Technical description**

Flute length $L_c$	10 mm
Shank tolerance	h6
Nominal Ø $D_c$	4 mm
Feed f in steel < 1100 N/mm <sup>2</sup>	0.03 mm/rev.
Shank Ø $D_s$	4 mm
Overall length L	40 mm

Shank	DIN 6535 HA to h6
Coating	uncoated
Tool material	Solid carbide
Standard	Manufacturer's standard
Tolerance nominal $\varnothing$	h6
Point angle	90 °
Number of cutting edges Z	2
Through-coolant	no
Colour ring	without
Type of product	Spotting drill

## User data

	Suitability	$V_c$	ISO code
Alu plastics	suitable	200 m/min	N
Aluminium (short chipping)	suitable	180 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	80 m/min	P
Oil	suitable		
wet maximum	suitable		
dry	suitable only under restricted conditions		