

Garant**Solid carbide NC spotting drill 90° spiral flutes, uncoated, Ø DC h6: 12mm****Order data**

Order number	121020 12
GTIN	4045197038487
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 HB to h6

Flute length L_c : 24 mm

Overall length L : 70 mm

Shank Ø D_s : 12 mm

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

Technical description

Feed f in steel < 1100 N/mm ²	0.03 mm/rev.
Shank tolerance	h6
Flute length L_c	24 mm
Nominal Ø D_c	12 mm
Shank Ø D_s	12 mm

Overall length L	70 mm
Shank	DIN 6535 HB to h6
Coating	uncoated
Tool material	Solid carbide
Standard	Manufacturer's standard
Tolerance nominal Ø	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 ²	suitable	80 m/min	P
Oil	suitable		
wet maximum	suitable		
dry	suitable only under restricted conditions		