

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).

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 \varnothing	h6
Point angle	90 degrees
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		