

**Garant****Solid carbide NC spotting drill 90° spiral flutes, uncoated, Ø DC h6: 16mm****Order data**

Order number	121020 16
GTIN	4045197038494
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**

Flute length $L_c$	29 mm
Feed $f$ in steel < 1100 N/mm <sup>2</sup>	0.03 mm/rev.
Nominal Ø $D_c$	16 mm
Shank tolerance	h6
Shank Ø $D_s$	16 mm
Overall length $L$	75 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 <sup>2</sup>	suitable	80 m/min	P
Oil	suitable		
wet maximum	suitable		
dry	suitable only under restricted conditions		