

**Garant**
**Solid carbide NC spotting drill 142° spiral flutes, TiAlN, Ø DC h6: 12 mm**

**Order data**

Order number	121110 12
GTIN	4045197038784
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 **142°** so that the cutting edges of the following twist drill engage easily.

**Note:**

Use 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/mm<sup>2</sup>: 0.03 mm/rev.

**Technical description**

Feed f in steel < 1100 N/mm <sup>2</sup>	0.03 mm/rev.
Flute length $L_c$	24 mm
Nominal Ø $D_c$	12 mm
Shank tolerance	h6
Shank Ø $D_s$	12 mm
Overall length L	70 mm
Shank	DIN 6535 HB to h6

Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Tolerance nominal $\varnothing$	h6
Point angle	142 degrees
Number of cutting edges Z	2
Through-coolant	no
Colour ring	without
Type of product	Spotting drill