

**Garant**
**NC spotting drill HSS-E 90° N, uncoated, Ø DC h6: 12mm**

**Order data**

Order number	112000 12
GTIN	4045197001085
Item class	11A

**Description**
**Version:**

≥ Ø 6 mm with **drive flat to DIN 1835-B.**

Precision centred ground point with thin chisel edge - gives easy spot drilling and high accuracy of the centre hole form. Very sturdy due to short flutes.

**Note:**

Use speed for the actual hole Ø  
(not necessarily the speed for the drill outer Ø).

Shank: DIN 1835 B to h6

Flute length  $L_c$ : 30 mm

Overall length L: 102 mm

Shank Ø  $D_s$ : 12 mm

Feed f in steel < 900 N/mm<sup>2</sup>: 0.07 mm/rev.

**Technical description**

Nominal Ø $D_c$	12 mm
Shank tolerance	h6
Flute length $L_c$	30 mm
Feed f in steel < 900 N/mm <sup>2</sup>	0.07 mm/rev.
Shank Ø $D_s$	12 mm
Overall length L	102 mm
Shank	DIN 1835 B to h6
Coating	uncoated

Tool material	HSS E
Standard	Manufacturer's standard
Type	N
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	70 m/min	N
Aluminium (short chipping)	suitable	45 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	40 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	30 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	25 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	10 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable	8 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	12 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable	8 m/min	M
CuZn	suitable	80 m/min	N
Uni	suitable		
Oil	suitable		
wet maximum	suitable		