

**Garant****NC spotting drill HSS-E 120° N, uncoated, Ø DC h6: 10mm****Order data**

Order number	112103 10
GTIN	4045197959430
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.

**Application:**

**Point angle 120°** so that the cutting edges of the following drill engage easily.

**Note:**

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

**Technical description**

Shank Ø D <sub>s</sub>	10 mm
Overall length L	89 mm
Nominal Ø D <sub>c</sub>	10 mm
Flute length L <sub>c</sub>	25 mm
Feed f in steel < 900 N/mm <sup>2</sup>	0.07 mm/rev.
Shank tolerance	h6
Shank	DIN 1835 B to h6
Coating	uncoated
Tool material	HSS E
Standard	Manufacturer's standard

Type	N
Tolerance nominal $\varnothing$	h6
Point angle	120 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	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		