

Garant
NC spotting drill HSS-E-PM 90° N, uncoated, Ø DC h6: 20mm

Order data

Order number	112010 20
GTIN	4045197741462
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.

High-performance NC spotting drill.

Tool substrate made of sintered powder metallurgy **for applications** demanding high standards of tool life and accurate centring. Very good wear resistance in stainless steels.

Note:

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

Technical description

Overall length L	131 mm
Feed f in steel < 900 N/mm ²	0.07 mm/rev.
Shank Ø D _s	20 mm
Nominal Ø D _c	20 mm
Shank tolerance	h6
Flute length L _c	40 mm
Shank	DIN 1835 B to h6
Coating	uncoated
Tool material	HSS E PM
Standard	Manufacturer's standard

Type	N
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	80 m/min	N
Aluminium (short chipping)	suitable	50 m/min	N
Steel < 500 N/mm ²	suitable	45 m/min	P
Steel < 750 N/mm ²	suitable	33 m/min	P
Steel < 900 N/mm ²	suitable	28 m/min	P
Steel < 1100 N/mm ²	suitable	12 m/min	P
Steel < 1400 N/mm ²	suitable	10 m/min	P
INOX < 900 N/mm ²	suitable	14 m/min	M
INOX > 900 N/mm ²	suitable	10 m/min	M
CuZn	suitable	88 m/min	N
Uni	suitable		
Oil	suitable		
wet maximum	suitable		