


**Jobber drill HSS N, TiN, Ø DC h8: 9,9mm**

**Order data**

Order number	114360 9,9
GTIN	4045197017055
Item class	12B

**Description**
**Version:**

Standard core without core taper.  
Precision ground point.

**Profile ground:**

High concentricity and pitch accuracy, drills for series production use.  
With point geometry shape C from size 2.4 mm

**Recommendation:**
**Maximum drilling depth:**

$$L_2 = L_c - 1.5 \times D_c$$

**Technical description**

Feed f in steel < 500 N/mm <sup>2</sup>	0.16 mm/rev.
Flute length L <sub>c</sub>	87 mm
Nominal Ø D <sub>c</sub>	9.9 mm
Number of cutting edges Z	2
Tolerance nominal Ø	h8
Shank Ø D <sub>s</sub>	9.9 mm
Overall length L	133 mm
Standard	DIN 338
recommended maximum drilling depth L <sub>2</sub>	72.2 mm
Point angle	118 degrees

Shank	Plain shank
Coating	TiN
Tool material	HSS
Type	N
Helix angle	35-40 degrees
Through-coolant	no
Colour ring	without
Type of product	Jobber drill

### User data

	Suitability	V <sub>c</sub>	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	56 m/min	N
Alu > 10% Si	suitable only under restricted conditions	50 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	50 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	37 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	31 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable only under restricted conditions	12 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable only under restricted conditions	10 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable only under restricted conditions	15 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable only under restricted conditions	10 m/min	M
Ti > 850 N/mm <sup>2</sup>	suitable only under restricted conditions	6 m/min	S
GG(G)	suitable	31 m/min	K
CuZn	suitable only under restricted conditions	80 m/min	N

Oil	suitable
wet maximum	suitable