

**Garant**
**HSS core drill N, uncoated, Ø DC h8: 19mm**

**Order data**

Order number	116620 19
GTIN	4062406096397
Item class	11C

**Description**
**Version:**

Strong core. Sturdy jobber drill for better guidance in the hole

**Advantage:**

Particularly suitable **for drilling out** holes that are out of round. Misaligned holes can be aligned.

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

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

**Note:**
**Please note:**

Do not drill the respective tapping hole Ø (see table) less than the stated size.

For suitable reducing adapters for tools with MT shanks see **No. 343000-343530**.

**Technical description**

Feed f in steel < 750 N/mm <sup>2</sup>	0.2 mm/rev.
Standard	DIN 343
recommended maximum drilling depth L <sub>2</sub>	106.5 mm
Morse taper MT size	2
Flute length L <sub>c</sub>	135 mm
Number of cutting edges Z	3
Nominal Ø D <sub>c</sub>	19 mm
Tolerance nominal Ø	h8
Overall length L	233 mm

Min. pre-drilling - $\varnothing$ D <sub>min</sub>	13.3 mm
Point angle	120 degrees
Shank	Morse taper
Coating	uncoated
Tool material	HSS
Type	N
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	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 only under restricted conditions	10 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable only under restricted conditions	8 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable only under restricted conditions	12 m/min	M
GG(G)	suitable only under restricted conditions	25 m/min	K
wet maximum	suitable		