

**Garant**
**Jobber drill HSS-E VA, uncoated, Ø DC h8: 19 mm**

**Order data**

Order number	116360 19
GTIN	4045197032058
Item class	11C

**Description**
**Version:**
**With strengthened core.**

Specially treated surface, reducing edge build up and improving chip evacuation.  
With point geometry shape C.

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

$L_2 = L_c - 1.5 \times D_c$ .

**Note:**

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

Through-coolant: no

Standard: DIN 345

Tolerance nominal Ø: h8

Point angle: 135 degrees

Number of cutting edges Z: 2

recommended maximum drilling depth  $L_2$ : 106.5 mm

Flute length  $L_c$ : 135 mm

Overall length L: 233 mm

Morse taper MT size: 2

Feed f in steel < 750 N/mm<sup>2</sup>: 0.2 mm/rev.

**Technical description**

Feed f in steel < 750 N/mm <sup>2</sup>	0.2 mm/rev.
Nominal Ø $D_c$	19 mm
Flute length $L_c$	135 mm
Number of cutting edges Z	2

Tolerance nominal $\varnothing$	h8
Overall length L	233 mm
Morse taper MT size	2
Standard	DIN 345
recommended maximum drilling depth L <sub>2</sub>	106.5 mm
Point angle	135 degrees
Coating	uncoated
Tool material	HSS E
Type	INOX
Helix angle	35-40 degrees
Shank	Morse taper
Through-coolant	no
Colour ring	without
Type of product	Jobber drill