

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

Order data

Order number	116340 19
GTIN	4045197030429
Item class	11C

Description
Version:

Special surface treatment, resulting in reduced tendency to edge build-up **and improved chip evacuation.**

Top quality high performance twist drills.

Cutting edge section ≤ 26.5 mm Ø ground from solid, > 26.5 mm Ø milled. This ensures high concentricity and pitch accuracy, and precision ground point up to 40 mm Ø.

With shape A point.

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: 118 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/mm²: 0.2 mm/rev.

Technical description

Number of cutting edges Z	2
Feed f in steel < 750 N/mm ²	0.2 mm/rev.

Nominal $\varnothing D_c$	19 mm
Flute length L_c	135 mm
Tolerance nominal \varnothing	h8
Overall length L	233 mm
Morse taper MT size	2
Standard	DIN 345
recommended maximum drilling depth L_2	106.5 mm
Point angle	118 degrees
Coating	uncoated
Tool material	HSS
Type	N
Helix angle	20-30 degrees
Shank	Morse taper
Through-coolant	no
Colour ring	without
Type of product	Jobber drill