

Garant
HSS jobber drill N, uncoated, Ø DC h8 (mm or inch): 19

Order data

Order number	114150 19
GTIN	4045197013903
Item class	11B

Description
Version:

Profile ground: Jobber drill with high pitch accuracy and concentricity as well as precision ground point.

Steam tempered from Ø 2.4 mm.

With point geometry shape C from size 4 mm

Recommendation:
Maximum drilling depth:

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

Note:

Size 16 - 20: Drills with shank Ø 16 mm.

Through-coolant: no

Standard: DIN 338

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: 198 mm

Shank Ø D_s : 16 mm

Feed f in steel < 750 N/mm²: 0.2 mm/rev.

Technical description

Nominal Ø D_c	19 mm
Number of cutting edges Z	2
Flute length L_c	135 mm

Feed f in steel < 750 N/mm ²	0.2 mm/rev.
Tolerance nominal Ø	h8
Shank Ø D _s	16 mm
Overall length L	198 mm
Standard	DIN 338
recommended maximum drilling depth L ₂	106.5 mm
Point angle	118 degrees
Coating	uncoated
Tool material	HSS
Type	N
Shank	Plain shank
Through-coolant	no
Colour ring	without
Type of product	Jobber drill