

Garant

Jobber drill with 3 clamping faces HSS-E, uncoated, Ø DC h8: 19 mm



Order data

Order number	114001 19
GTIN	4045197955258
Item class	11B

Description

Version:

Particularly sturdy and robust due to the **strengthened core diameter**. Ground flutes, with high concentricity. Precision ground point. Three **drive flats on the shank** for use in a 3-jaw chuck.

Recommendation:

Maximum drilling depth:

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

Note:

Shank Ø 12.5 mm with 3 drive flats.

Through-coolant: no

Standard: DIN 338

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: 198 mm

Shank Ø D_s : 12.5 mm

Feed f in steel < 900 N/mm²: 0.2 mm/rev.

Technical description

Overall length L	198 mm
Number of cutting edges Z	2
recommended maximum drilling depth L_2	106.5 mm
Nominal Ø D_c	19 mm
Shank Ø D_s	12.5 mm

Flute length L_c	135 mm
Tolerance nominal \varnothing	h8
Feed f in steel $< 900 \text{ N/mm}^2$	0.2 mm/rev.
Standard	DIN 338
Point angle	135 degrees
Coating	uncoated
Tool material	HSS E
Type	N
Shank	Three drive flats shank
Through-coolant	no
Colour ring	without
Type of product	Jobber drill