

Garant
Stub drill HSS-E N, TiN, Ø DC h8: 19,5 mm

Order data

Order number	113230 19,5
GTIN	4045197006295
Item class	11B

Description
Version:

Particularly robust and strong due to strengthened core.
Ground flutes, with high concentricity.

Advantage:

Ideal for drilling shallow holes (approx. 2 - 4×D) on NC machines and automatic machines.

Recommendation:
Maximum drilling depth:

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

Through-coolant: no

Standard: DIN 1897

Tolerance nominal Ø: h8

Point angle: 130 degrees

Number of cutting edges Z: 2

recommended maximum drilling depth L_2 : 36.8 mm

Flute length L_c : 66 mm

Overall length L: 131 mm

Shank Ø D_s : 19.5 mm

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

Technical description

Feed f in steel < 900 N/mm ²	0.2 mm/rev.
Number of cutting edges Z	2
Nominal Ø D_c	19.5 mm
Flute length L_c	66 mm

Tolerance nominal \varnothing	h8
Shank $\varnothing D_s$	19.5 mm
Overall length L	131 mm
Standard	DIN 1897
recommended maximum drilling depth L_2	36.8 mm
Point angle	130 degrees
Coating	TiN
Tool material	HSS E
Type	N
Shank	Plain shank
Through-coolant	no
Colour ring	without
Type of product	Jobber drill