Garant

Stub drill HSS-E FS, uncoated, Ø DC h8: 19,5 mm



Order data

Order number	113020 19,5
GTIN	4045197003133
Item class	11B

Description

Version:

Particularly robust and strong due to strengthened core.

Ground flutes, with high concentricity.

Bright finish flutes, nitrided lands.

With point geometry shape C up to 3.9 mm; shape S (special) from 4 mm.

Advantage:

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

Maximum drilling depth:

Technical description

Feed f in steel < 750 N/mm ²	0.2 mm/rev.
Flute length L_c	66 mm
Nominal Ø D _c	19.5 mm

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Number of cutting edges Z	2
Tolerance nominal Ø	h8
Shank Ø D _s	19.5 mm
Overall length L	131 mm
Standard	DIN 1897
recommended maximum drilling depth L_2	36.8 mm
Point angle	135 degrees
Coating	uncoated
Tool material	HSS E
Туре	FS
Helix angle	38 degrees
Shank	Plain shank
Through-coolant	no
Colour ring	without
Type of product	Jobber drill