Garant

Stub drill HSS-E FS, uncoated, Ø DC h8: 2,9mm



Order data

Order number	113020 2,9		
GTIN	4045197002051		
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:

 $L_2 = L_C - 1.5 \times D_C$.

Technical description

Feed f in steel < 750 N/mm ²	0.03 mm/rev.		
Flute length L _c	16 mm		
Nominal Ø D _c	2.9 mm		
Number of cutting edges Z	2		
Tolerance nominal Ø	h8		
Shank Ø D _s	2.9 mm		
Overall length L	46 mm		
Standard	DIN 1897		
recommended maximum drilling depth L_2	11.7 mm		
Point angle	135 degrees		

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Shank	Plain shank	
Coating	uncoated	
Tool material	HSS E	
Туре	FS	
Helix angle	38 degrees	
Through-coolant	no	
Colour ring	without	
Type of product	Jobber drill	

User data

	Suitability	V _c	ISO code
Alu plastics	suitable	70 m/min	Ν
Aluminium (short chipping)	suitable	45 m/min	Ν
Steel < 500 N/mm ²	suitable	40 m/min	Р
Steel < 750 N/mm ²	suitable	30 m/min	Р
GG(G)	suitable	25 m/min	К
Oil	suitable		
wet maximum	suitable		