

GARANT Uni Hero solid carbide drill plain shank DIN 6535 HA, TiAlSiN, Ø DC h7: 9,9mm



Order data

Order number	123020 9,9
GTIN	4069515012805
Item class	13M

Description

Version:

The ultimate in universality and profitability in one tool. Robust tool design and convex-concave curved cutting edge design for optimum tool stability and chip breakage behaviour in a wide range of materials. Special flute geometry and polished flutes for ideal chip evacuation and maximum process reliability. Ultra-smooth TiAlSiN high-performance coating to effectively reduce wear and the formation of built-up edges.

Note:

Flute length $L_c = L_2 + 1.5 \times D_c$.

HB and HE shanks are available at the same price as HA.

For HB shanks: use order no. 123021.

HE shank: order with No. 123020 and 129100HE.

Items with prices in brackets: Differing delivery time and minimum order quantity 3 pieces.

Technical description

Number of cutting edges Z	2
recommended maximum drilling depth L ₂	80.2 mm
Shank Ø D _s	10 mm
Feed f in steel < 1100 N/mm ²	0.2 mm/rev.
Flute length L _c	95 mm
Overall length L	142 mm
Nominal Ø D _c	9.9 mm

Data sheet

Tolerance nominal Ø	h7		
Standard	Works standard		
Series	Uni		
Coating	TiAlSiN		
Tool material	Solid carbide		
Version	8×D		
Point angle	140 degrees		
Shank	DIN 6535 HA to h6		
Through-coolant	yes, with 25 bar		
Machining strategy	HPC		
Semi-Standard	yes		
Colour ring	orange		
Type of product	Mono jobber drills		

User data

	Suitability	V _c	ISO code
Alu plastics	suitable only under restricted conditions	140 m/min	N
Aluminium (short chipping)	suitable	150 m/min	N
Steel < 500 N/mm ²	suitable	120 m/min	Р
Steel < 750 N/mm ²	suitable	115 m/min	Р
Steel < 900 N/mm ²	suitable	110 m/min	Р
Steel < 1100 N/mm ²	suitable	80 m/min	Р
Steel < 1400 N/mm ²	suitable	70 m/min	Р
INOX < 900 N/mm ²	suitable	65 m/min	M
INOX > 900 N/mm ²	suitable	60 m/min	M
Ti > 850 N/mm ²	suitable	35 m/min	S
GG(G)	suitable	95 m/min	K

Data sheet

Uni	suitable	
wet maximum	suitable	
wet minimum	suitable	
Air	suitable only under	
Suitable products	restricted conditions	

Suitable products

https://www.hoffmann-group.com/GB/en/hom/p/123020-9,9