Data sheet

GARANT Uni Hero solid carbide drill plain shank DIN 6535 HA, TiAlSiN, ⌀ DC h7: 6,01-Xmm

Order data

Order number	122450 6,01-X
GTIN	4069515047630
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. 122451**.
For **HE shanks:** order with **No. 122450** and **12900HE**.
Articles with prices in brackets: Different delivery time and minimum order quantity is 3 pieces.

Technical description

Number of cutting edges Z	2
Overall length L	79 mm
⌀ range	6.01 - 6.99 mm
Shank ⌀ D_s	8 mm
recommended maximum drilling depth L_2	23.5 mm
Tolerance nominal ⌀	h7
Standard	DIN 6537 K

Flute length L_c	34 mm
Series	Uni
Coating	TiAlSiN
Tool material	Solid carbide
Version	4×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	Jobber drill

User data

	Suitability	V_c	ISO code
Alu plastics	suitable only under restricted conditions	190 m/min	N
Aluminium (short chipping)	suitable	200 m/min	N
Steel < 500 N/mm²	suitable	160 m/min	P
Steel < 750 N/mm²	suitable	150 m/min	P
Steel < 900 N/mm²	suitable	140 m/min	P
Steel < 1100 N/mm²	suitable	110 m/min	P
Steel < 1400 N/mm²	suitable	90 m/min	P
INOX < 900 N/mm²	suitable	90 m/min	M
INOX > 900 N/mm²	suitable	80 m/min	M
Ti > 850 N/mm²	suitable	40 m/min	S
GG(G)	suitable	130 m/min	K
Uni	suitable		

wet maximum	suitable
wet minimum	suitable
Air	suitable only under restricted conditions