Garant

Solid carbide jobber drill, TiAlN, ⌀ DC h7: 9,7mm

Order data

Order number	122251 9,7
GTIN	4045197749604
Item class	11E

Description

Version:
Similar to DIN 338.
Nominal ⌀ and shank ⌀ equal.
TiAlN coating for even better performance.
Note:
Flute length $L_C = L_2 + 1.5 \times D_C$.
Non slip clamping in drill chuck No. 341050 with diamond coated jaws.
Through-coolant: no
Standard: DIN 338
Tolerance nominal ⌀: h7
Number of cutting edges Z: 2
recommended maximum drilling depth L_2: 72.5 mm
Tolerance nominal ⌀: h7
Overall length L: 133 mm
Shank ⌀ D_s: 9.7 mm
Feed f in steel < 1100 N/mm^2: 0.14 mm/rev.

Technical description

Shank ⌀ D_s	9.7 mm
Number of cutting edges Z	2
Flute length L_c	87 mm
Shank tolerance	h7
Nominal ⌀ D_C	9.7 mm
Feed f in steel < 1100 N/mm^2	0.14 mm/rev.

Tolerance nominal ∅	h7
Overall length L	133 mm
Standard	DIN 338
recommended maximum drilling depth L_2	72.5 mm
Coating	TiAlN
Tool material	solid carbide
Type	N
Point angle	118 °
Helix angle	30 °
Shank	Parallel shank to h7
Through-coolant	no
Colour ring	without
Type of product	Jobber drill

User data

	Suitability	V_c	ISO code
Alu plastics	suitable only under restricted conditions	260 m/min	N
Aluminium (short chipping)	suitable	180 m/min	N
Alu > 10% Si	suitable	180 m/min	N
Steel < 500 N/mm²	suitable	90 m/min	P
Steel < 750 N/mm²	suitable	90 m/min	P
Steel < 900 N/mm²	suitable	80 m/min	P
Steel < 1100 N/mm²	suitable	60 m/min	P
Steel < 1400 N/mm²	suitable	35 m/min	P
INOX < 900 N/mm²	suitable	35 m/min	M
INOX > 900 N/mm²	suitable	25 m/min	M
Ti > 850 N/mm²	suitable	25 m/min	S

GG(G)	suitable	90 m/min	K
CuZn	suitable	180 m/min	N
Uni	suitable		
Oil	suitable		
wet maximum	suitable		
dry	suitable only under restricted conditions		