

Garant**Solid carbide jobber drill extra short, uncoated, Ø DC h7: 3,1mm****Order data**

Order number	122100 3,1
GTIN	4045197039323
Item class	11E

Description**Version:****Similar to DIN 6539** (extra short).

Nominal Ø and shank Ø equal.

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

Non slip clamping in drill chuck No. 341050 with diamond coated jaws.

Technical description

Feed f in steel < 1100 N/mm ²	0.08 mm/rev.
Shank tolerance	h7
Nominal Ø D_c	3.1 mm
Flute length L_c	18 mm
Number of cutting edges Z	2
Tolerance nominal Ø	h7
Shank Ø D_s	3.1 mm
Overall length L	49 mm
Standard	DIN 6539
recommended maximum drilling depth L_2	13.4 mm
Coating	uncoated
Tool material	Solid carbide

Type	N
Point angle	118 degrees
Helix angle	30 degrees
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	200 m/min	N
Aluminium (short chipping)	suitable	140 m/min	N
Alu > 10% Si	suitable only under restricted conditions	140 m/min	N
Steel < 500 N/mm ²	suitable	70 m/min	P
Steel < 750 N/mm ²	suitable	70 m/min	P
Steel < 900 N/mm ²	suitable	60 m/min	P
Steel < 1100 N/mm ²	suitable	40 m/min	P
Steel < 1400 N/mm ²	suitable	25 m/min	P
INOX < 900 N/mm ²	suitable only under restricted conditions	20 m/min	M
INOX > 900 N/mm ²	suitable only under restricted conditions	20 m/min	M
Ti > 850 N/mm ²	suitable	15 m/min	S
CuZn	suitable	140 m/min	N
Uni	suitable		
Oil	suitable		
wet maximum	suitable		

dry

suitable only under
restricted conditions