

Garant
Solid carbide jobber drill, uncoated, Ø DC h7: 4,5mm

Order data

Order number	122250 4,5
GTIN	4045197041609
Item class	11E

Description
Version:
Similar to DIN 338.

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.
Flute length L_c	47 mm
Nominal Ø D_c	4.5 mm
Number of cutting edges Z	2
Shank tolerance	h7
Tolerance nominal Ø	h7
Shank Ø D_s	4.5 mm
Overall length L	80 mm
Standard	DIN 338
recommended maximum drilling depth L_2	40.3 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