

Garant
Carbide tipped jobber drill, uncoated, Ø DC h8: 4,5mm

Order data

Order number	121150 4,5
GTIN	4045197471307
Item class	11E

Description
Version:

With carbide cutting tip. Ground between centres.
Shank with driver tang for use in clamping collets.

Note:

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

Technical description

Number of cutting edges Z	2
Nominal Ø D_c	4.5 mm
Feed f in steel < 1100 N/mm ²	0.07 mm/rev.
Flute length L_c	28 mm
Tolerance nominal Ø	h8
Overall length L	63 mm
Standard	DIN 8037
recommended maximum drilling depth L_2	21.3 mm
Coating	uncoated
Tool material	Carbide K20
Point angle	118 degrees
Through-coolant	no
Colour ring	without

Type of product

Jobber drill

User data

	Suitability	V_c	ISO code
Alu > 10% Si	suitable	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
GG(G)	suitable	90 m/min	K
CuZn	suitable	140 m/min	N
Oil	suitable		
wet maximum	suitable		