

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

**Order data**

Order number	121150 4
GTIN	4045197471178
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**

Nominal Ø $D_c$	4 mm
Feed $f$ in steel < 1100 N/mm <sup>2</sup>	0.07 mm/rev.
Number of cutting edges $Z$	2
Flute length $L_c$	25 mm
Tolerance nominal Ø	h8
Overall length $L$	56 mm
Standard	DIN 8037
recommended maximum drilling depth $L_2$	19 mm
Coating	uncoated
Tool material	Carbide K20
Point angle	118 degrees
Through-coolant	no
Colour ring	without

Type of product

Jobber drill

**User data**

	<b>Suitability</b>	<b>V<sub>c</sub></b>	<b>ISO code</b>
Alu > 10% Si	suitable	140 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	70 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	70 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	60 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	40 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable	25 m/min	P
GG(G)	suitable	90 m/min	K
CuZn	suitable	140 m/min	N
Oil	suitable		
wet maximum	suitable		