

**Garant**
**Solid carbide drill for aramide, uncoated, Ø DC h6: 12mm**

**Order data**

Order number	121230 12
GTIN	4045197472083
Item class	11Y

**Description**
**Version:**

**Special geometry** for reliable drilling of aramide plastics (polyaramides) and aramide fibres as well as thermoplastics and thermosetting plastics.

**Note:**

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

**Technical description**

Nominal Ø $D_c$	12 mm
Number of cutting edges Z	2
Shank tolerance	h6
Feed f in AFK	0.1 mm/rev.
Flute length $L_c$	50 mm
Tolerance nominal Ø	h6
Shank Ø $D_s$	12 mm
Overall length L	102 mm
Standard	Manufacturer's standard
recommended maximum drilling depth $L_2$	32 mm
Coating	uncoated
Tool material	Solid carbide
Version	4xD

Shank	Parallel shank to h6
Use for drilling	for aramides
Through-coolant	no
Colour ring	without
Type of product	Jobber drill

### User data

	Suitability	V <sub>c</sub>	ISO code
PE-HD	suitable only under restricted conditions	140 m/min	N
PA 66	suitable only under restricted conditions	130 m/min	N
PEEK	suitable only under restricted conditions	120 m/min	N
PF 31	suitable only under restricted conditions	100 m/min	N
AFRP aramid	suitable	110 m/min	N
Honeycomb sandwich	suitable only under restricted conditions	120 m/min	N
dry	suitable		
Air	suitable		