

**Garant****Carbide hole saw flat, Ø DC: 48mm****Order data**

Order number	118500 48
GTIN	4045197037404
Item class	11C

**Description****Version:**

Extremely strong and with perfect concentricity due to **drill crown and shank of one piece** (hardened).

**Narrow carbide cutting edges** with **positive rake** and **large clearance angle** provide good cutting performance at low cutting pressure.

Exchangeable centre drill, shank with 3 clamping faces.

Cutting width 2 mm for all sizes. Ø tolerance: + **0.10** / – **0.05** mm.

Dimension L: **all sizes = 8 mm.**

**Application:**

For use on stationary machines. Suitable for fibre-reinforced plastics (GRP and CRP).

Only for flat material up to 4 mm thickness.

**Technical description**

Nominal Ø D <sub>c</sub>	48 mm
Shank Ø	10 mm
Length L	8 mm
Version	flat
Tool material	Carbide
Standard	Manufacturer's standard

Shank	Three drive flats shank
Ø tolerance	-0.05 / 0.1 mm
Colour ring	without
Type of product	Hole saw

### User data

	Suitability	V <sub>c</sub>	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	70 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	50 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	50 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	35 m/min	M
Graphite, GRP, CRP	suitable	80 m/min	N
Uni	suitable		
wet maximum	suitable only under restricted conditions		
dry	suitable		