

**Carbide hole saw flat, Ø DC: 19mm****Order data**

Order number	118505 19
GTIN	4045197956064
Item class	12C

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 1.9 mm for all sizes. Ø tolerance: + **0.15** / – **0.05 mm**.

Dimension L: **all sizes = 11.8 mm**.

Application:

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

Only for flat material up to 5 mm thickness.

Technical description

Nominal Ø D _c	19 mm
Shank Ø	10 mm
Length L	11.8 mm
Version	flat
Tool material	Carbide
Standard	Manufacturer's standard
Shank	Three drive flats shank
Ø tolerance	–0.05 / 0.15 mm

Colour ring	without
Type of product	Hole saw

User data

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