

**Garant****Hole saw, bi-metal, Diameter: 19mm****Order data**

Order number	589010 19
GTIN	4045197158314
Item class	51S

**Description****Version:**

**Robust unbreakable construction** with variable toothing on flexible special steel body (bimetal). The reinforced stiff base is equipped with thread and drive pin holes (from Ø 32 mm) for secure mounting on the arbor. The high quality of the HSS teeth, the teeth geometry and the tight manufacturing tolerances guarantee the best cutting performance and tool life.

- **Vario toothing 4/6 tpi for low vibration.**
- **Maximum depth of cut for all sizes 38 mm.**
- **Precision ground teeth – very quick sawing and clean cut edges.**

**Application:**

On pillar drills, lathes or hand-held power drills at the appropriate speed. For cutting circular holes from thin-walled to thick-walled material with a flat or convex workpiece surface. Suitable for all materials such as steel, **stainless steel**, brass, copper, cast iron, light metal, wood, plasterboard and plastic panels etc. Use of lubricant will give increased tool life (metals).

**Recommendation:**

The use of cutting oil such as No. 084205 size 0.25 extends the service life and permits more rapid progress through the material.

**Note:**

**Arbors and hole saws are compatible with all commercially available bi-metal hole saws apart from Bosch SDS.**

**For hole saws for stone see No. 788000, 788040, 788050.**  
**For carbide hole saws for steel see No. 118400, 118500, 119000.**

## Technical description

Diameter	19 mm
recommended speed aluminium	690 min <sup>-1</sup>
recommended speed steel	460 min <sup>-1</sup>
recommended speed INOX	230 min <sup>-1</sup>
TPI	4 / 6
Type of product	Hole saw

## Accessories

Centre drill carbide-tipped Type 6KT	589432 6KT
Shank Type 30	589310 30
Quick-change mounting shank Type 30	589314 30
Centre drill HSS Type 6KT	589430 6KT