



Remora Electrical

Things to know CSC Smooth Cut Hole Saws

Technical Breakdown

The CSC (Cordless Smooth Cut) holesaw line from Starrett is built specifically for cordless drilling jobs where precision and battery life matter. The design includes HSS cutting teeth bonded to a tough alloy body and cap, giving a durable edge that handles abrasion and delivers reliable performance under load.

Starrett markets CSC as able to “cut twice as many holes per battery charge” compared to standard holesaws, making them ideal for on-site work.

One standout feature is the safety stop or flared base cap that limits the cutting depth to 13mm (½”) - this built in safety feature prevents over-travel and avoids accidents and further damage to equipment.

CSC holesaws are available across a range of diameters (16mm up to 51 mm) to suit many common hole sizes.

Because of the controlled depth and smooth cut, CSC is well suited to penetrations in panels, trunking, conduit plates, and thin metal or plastic walls. The system is optimised for battery tools - lighter loads, less battery drain and safer cut control on site.

Starrett®



How to Choose - Material & thickness: Make sure the material you plan to cut (e.g. mild steel, stainless, plastic, wood) is within CSC’s capacity. The 13 mm depth limit means it’s best for thin panels or sheeting.

Hole diameter & range: Select the correct diameter from the CSC range (16 mm to 51 mm) to suit your application.

Drill capability: Use a cordless drill with sufficient torque and speed. The CSC is optimised for battery tools, but a weak drill may struggle.

Package contents: The full CSC set includes the holesaw cup, arbor, pilot bit, and ejector spring — helpful so you don’t have to match components.

Use case: Ideal where speed, portability, and cutting control are more important than deep structural cuts.

Best Practices -

Secure the workpiece: Clamp panels firmly to prevent vibration and keep the cut smooth.

Start slow, gradually increase speed: Let the tool get traction, then settle into the cut. Avoid forcing it.

Maintain alignment: Use the pilot bit to steer the holesaw square to the surface - misalignment can lead to binding or damage.

Do not exceed depth: Don’t attempt to go past 13 mm; that’s the design limit. Push too hard and you risk damaging the cap or the drill.

Clear chips often: Stop periodically to eject metal shavings and prevent clogging or heat build-up.

Use lubricant: For metals, a light cutting oil helps reduce friction and extend life.

Inspect after use: Check teeth for wear or chips. Replace or sharpen if damage shows — tool life is longer when maintained well.

Q What are the key differences between CSC and FCH holesaws?

A The CSC holesaw is optimised for cordless drills and is ideal for cutting thin materials with a depth limitation of 13mm. In contrast, the FCH Fast Cut holesaw features a 5.5 TPI tooth design for faster cuts and is suitable for materials up to 41mm thick. The FCH is better suited for applications requiring speed and deeper cuts.

Q What materials can I cut with the CSC Cordless Smooth Cut holesaw?

A The CSC holesaw is designed for cutting thin materials such as mild steel, stainless steel, wood, plasterboard, and plastics. Its flared base cap limits the cutting depth to 13mm, making it ideal for sheet materials and trunking.