



## Diamond Hole Saws

# High Performance Diamond Technology



For demanding applications.  
Porcelain & Hard Ceramic Tile – Stone – Glass and more

**C4** | carbides  
CUTTING EDGE TECHNOLOGY

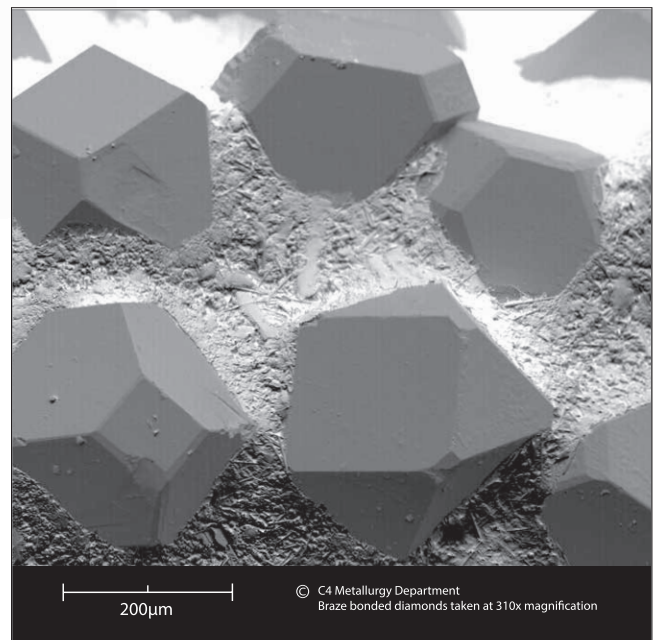
# Best in class

Is the philosophy which drives C4 to develop diamond hole saw programs which deliver outstanding product performance, customer satisfaction and sales growth for leading brands. C4 Carbides are proud to be industry leaders in servicing high volume OEM programs and providing fully packaged solutions.



## Innovative Diamond Technology

C4's patented designs and superior braze bonding technology developed over 30 years, set us apart from the competition. C4's braze bonded diamond technology is incorporated into our wetDRY and waxDRY diamond hole saw ranges, guaranteeing long life with minimal or no water cooling on hard porcelain tile and stone, and exceptional usability for Professional and DIY users.



**Talk to us about developing a market leading program for your brand +44 (0)1223 225 400**

★★★★★  
5 Star User Reviews

# wetDRY™ Professional Mini Hole Saws

wetDRY Technology  
minimal water cooling  
required

The wetDRY™ Professional Mini Hole Saw is C4's premium diamond hole saw, a best-in-class product which will not be beaten on productivity, durability or life-span. This hole saw has been designed to deliver outstanding life and fast cutting on the hardest of materials such as porcelain tile and granite, making it an ideal choice for professionals or DIY users.

**Premium grade diamonds**  
selected for optimum heat  
and fracture resistance.

**Large ejection slot**  
enables core material to  
auto-eject during cutting,  
allowing continuous hole  
cutting and increased  
productivity (featured on  
sizes 6mm - 35mm).

**Shank options** tri-flat  
and 1/4" hex ideal for range  
differentiation.

**Superior brazing technology** ensures  
diamonds stay bonded when cutting hard  
and abrasive materials.

**Advanced wetDRY diamond technology**  
eliminates the need for constant water  
cooling of the diamond edge during  
cutting. Dip the hole saw in water before  
starting the cut and every 5 seconds during  
cutting for optimal performance.

**Tough alloy steel body** resists  
distortion during cutting.

**Smart edge design** enables 'easy-start'  
without the need for a drill guide.

**High quality finish** is fully customisable  
to meet all branding requirements.

## Application





# wetDRY™ Multi-Purpose Hole Saws

wetDRY Technology  
minimal water cooling  
required

C4's wetDRY™ Multi-Purpose Hole Saw offers exceptional life and fast cutting on a range of materials from porcelain tile and natural stone to cement board, fibreglass and laminate flooring and can be used on drills or angle grinders. The versatility of this hole saw makes it an ideal choice for tilers, plumbers, electricians and property maintenance professionals.

**Superior brazing technology** ensures diamonds stay bonded for extremely long life.



**Ultra-thin kerf** facilitates low torque for faster cutting and prolonged battery life on cordless tools.

**Gulletted edge** provides smooth grab free cutting at low and high speeds. Typically no secondary finishing required.

**Offset holes** facilitates easy core removal.



**Flexible size range**  
19mm to 114mm

**Standard thread** offers flexibility for use with a drill or angle grinder.

Wide range of supporting user accessories



**C4 AutoPilot®**  
patented Retractable Starter Bit provides accurate centring and easy core removal (sold with or without standard arbor).



**C4 Standard  
Hole Saw Arbor**



**C4 Angle Grinder  
Adaptor Nut**

## Application



# wetDRY™ Consumer+ Mini Hole Saws

wetDRY Technology  
minimal water cooling  
required

The wetDRY Consumer+ Mini Hole Saw is a high performing hole saw, its longevity and ease of use make this product ideal for professionals as well as DIY users. This hole saw has been designed to deliver long life and fast cutting on hard materials including porcelain tile and natural stone.

**High grade diamonds** selected for optimum heat and fracture resistance.



**Superior brazing technology** ensures diamonds stay bonded when cutting hard and abrasive materials.



**Side hole** facilitates easy core removal.



**Tough alloy steel body** resists distortion during cutting.

**Tube Shank** option also available to meet all requirements.

**Smart edge design** enables 'easy-start' without the need for a drill guide.

**High quality finish** is fully customisable to meet all branding requirements.



## Application



# wetDRY™ Consumer+ One-Piece Hole Saws

**wetDRY Technology**  
minimal water cooling  
required

C4's wetDRY™ Consumer+ One-Piece Hole Saw is a versatile hole saw which can offer excellent performance on a range of applications from hard tile and stone to cement board and house brick. This product is available in a variety of performance levels and formats to suit all requirements.

Specially selected diamonds are expertly braze bonded to form a tough cutting edge.

Core removal assisted by offset side holes.

Customisable finish to meet all branding requirements.



Hard wearing steel body provides durability.



## Supporting user accessories

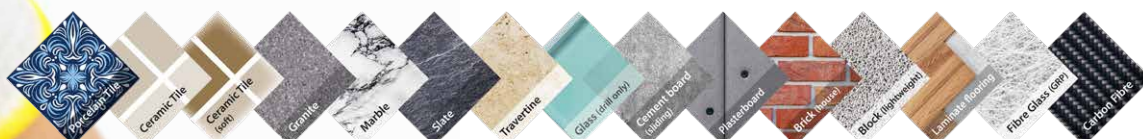


**C4 AutoPilot** C4's patented retractable started bit will assist with accurate centring.



**Carbide Tipped Pilot Bit**

## Application





# wetDRY™ Consumer Mini Hole Saws

**wetDRY Technology**  
minimal water cooling  
required

C4's wetDRY™ Consumer Mini Hole Saw is our industry leading DIY product. It has been designed to deliver unbeatable cost per cut value in hard materials including porcelain tile and natural stone.

Specially selected diamonds are expertly braze bonded to form a tough cutting edge.

Advanced wetDRY diamond technology eliminates the need for constant water cooling of the diamond edge during cutting. Dip the hole saw in water before starting the cut and every 5 seconds for optimal cutting performance.

10mm Round Shank option also available to suit all requirements.

Hard wearing steel body provides durability.

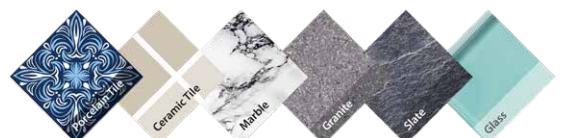
Customisable finish to meet all branding requirements.

## Supporting user accessories



**C4 Drill Guide** Use the sturdy plastic guide to assist positioning of the hole saw (up to 35mm – wetDRY Consumer Diamond Hole Saw) and starting the cut.

## Application



# wetDRY™ Consumer One-Piece Hole Saws

wetDRY Technology  
minimal water cooling  
required

C4's wetDRY™ Consumer One-Piece Hole Saw is a versatile hole saw which will offer excellent performance in the hardest materials including porcelain tile and stone. This hole saw has been designed to deliver unbeatable cost per cut value and is the ideal product for the DIY user.

Specially selected diamonds are expertly braze bonded to form a tough cutting edge.

Side hole facilitates easy core removal.

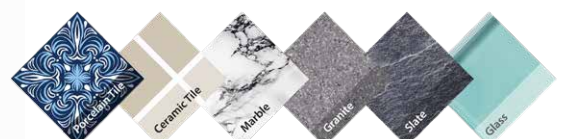
Customisable finish to meet all branding requirements.



Hard wearing steel body provides durability.



## Application





# waxDRY™ Hole Saws for Angle Grinders

waxDRY Technology  
no water cooling required

The waxDRY™ Hole Saw for Angle Grinders will power through hard materials such as porcelain tile and granite. This hole saw has been designed to deliver long life and fast, dry cutting, making it the ideal choice for professionals looking for increased productivity.

**Superior brazing technology**  
diamonds stay bonded for extremely long life.

**Offset holes** facilitates easy core removal.

**Tough alloy body**  
provides extended durability.

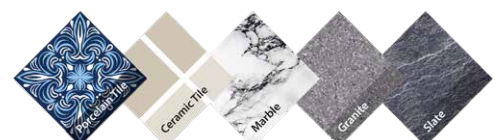


**Innovative waxDRY technology**  
eliminates the need for water cooling of the diamond edge during cutting. Sizes 18mm and below contain wax to aid cooling of the diamond edge during cutting.



**Smart edge design** enables 'easy-start' without the need for a drill guide.

## Application



# waxDRY™ Hole Saws for Drills

waxDRY Technology  
no water cooling required

C4's waxDRY™ Hole Saws for Drills offer dry cutting in all types of ceramic tiles including porcelain. This hole saw has been designed to deliver maximum performance and cost per cut value and is ideal for professional and DIY users.

**Superior brazing technology**  
diamonds stay bonded for extremely long life.



**High quality finish**  
fully customisable  
to meet all branding  
requirements.

**Tough alloy body**  
provides extended  
durability.

**Flexible size range**  
5mm to 35mm

**Shank options** 1/4" hex  
and 10mm round shanks  
available to suit all needs.

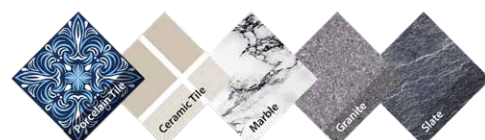


**Innovative waxDRY technology**  
eliminates the need for water cooling  
of the diamond edge during cutting.  
Sizes 20mm and below contain wax  
to aid cooling during cutting.



**Smart edge design** enables 'easy-start'  
without the need for a drill guide.

## Application



**Our high performance Diamond Hole Saw programs deliver YOY growth for many leading global brands**



**Diamond Jig Saw Blades and Reciprocating Saw Blades are just some of our complimentary product ranges – visit our website or call us to find out more**



[www.c4carbides.com](http://www.c4carbides.com)

## Bespoke development

C4 has unrivalled knowledge and expertise of brazing diamond and tungsten carbide grit onto edges and surfaces. Our technology has been developed over 30 years and is now supported by high quality, high volume manufacturing from our plant in the UK.

Today our focus is delivering B2B solutions to the global power tool accessory and industrial band saw blade industries. C4 excels in providing bespoke solutions covering product design and development through to a fully finished and packaged product. Our expertise enables us to tailor product performance to meet specific application, market or brand differentiation requirements.

The results are high performance power tool accessory and band saw blade programs which deliver year-on-year growth for many leading global brands.

## Product innovation

Innovation is at the heart of C4 and is central to providing our partners with market leading programs. Our innovations are based on technology breakthroughs, key insights from consumers and through close collaboration with our partners.

Our highly experienced team of metallurgists, engineers and application specialists constantly strive to turn unique insights into innovative products which out-perform from a life, speed, usability and value perspective.

We take innovation seriously and protect many of our ideas with patents. This provides reassurance to our partners and protects their investments in sales and marketing and sets C4 apart from the competition.

## Commitment to quality

C4's Management System has been approved by Lloyd's Register to the ISO 9001:2015 standard. Our ongoing commitment to quality and development in our products and processes ensures we continue to meet and exceed our customers' expectations.

## Compliance

C4 has been awarded the BSI Kitemark™ for demonstration of RoHS awareness and implementation. This award recognises the integrity of the processes and procedures C4 has put in place to comply with the RoHS Directive.
















## Global business

C4 operates globally and exports over 90% of its output to major markets such as the USA, Europe and Asia-Pacific. We have longstanding relationships with key customers and suppliers and have expertise in dealing with multi-national, multi-continent based organizations.

We have access to additional added value operations in the Far East enabling us to remain competitive in a wide range of professional, industrial and DIY market channels.



# Product selector

Range		Shank/ Thread	Tool	Size Range	Application	Coolant	Recommended freeload speed (RPM)
wetDRY™ Professional Hole Saw		Tri-flat 1/4" hex		3.5mm – 35mm (9/64" – 1 3/8")	Porcelain tile, Ceramic tile (non-porcelain), Granite, Marble, Slate, Glass	Dip the hole saw in water before starting the cut and every 5 sec during cutting for optimal performance	1,500 – 2,000
wetDRY™ Multi-Purpose Hole Saw		Standard	 	19mm – 114mm (3/4" – 4 1/2")	Porcelain tile, Ceramic tile (non-porcelain), Granite, Marble, Slate, Glass (drill only), Cement board, Brick (house), Block (lightweight), Fibreglass, Laminate flooring	Hard tile, stone and glass: dip the hole saw in water before starting the cut and every 5 sec during cutting for optimal performance. Use dry on all other materials	Drill: 1,500 – 2,000  Angle Grinder: 8,000 – 12,000
wetDRY™ Consumer+ Hole Saw		10mm Round/ Tube		5mm – 35mm (3/16" – 1 3/8")	Porcelain tile Ceramic tile (non-porcelain), Granite, Marble, Slate, Glass	Dip the hole saw in water before starting the cut and every 5 sec during cutting for optimal performance	1,500 – 2,000
wetDRY™ Consumer+ One-Piece Hole Saw				38mm – 114mm (1 1/2" – 4 1/2")	Porcelain tile, Ceramic tile (non-porcelain), Granite, Marble, Slate, Glass (drill only), Cement board, Brick (house), Block (lightweight), Fibreglass, Laminate flooring		
wetDRY™ Consumer Hole Saw		10mm Round/ Tube		5mm – 35mm (3/16" – 1 3/8")	Porcelain tile, Ceramic tile (non-porcelain), Granite, Marble, Slate, Glass	Dip the hole saw in water before starting the cut and every 5 sec during cutting for optimal performance	1,500 – 2,000
wetDRY™ Consumer One-Piece Hole Saw				38mm – 114mm (1 1/2" – 4 1/2")			
waxDRY™ Hole Saw for Angle Grinders		M14, M10, 5/8"-11 UNC		5mm – 114mm (3/16" – 4 1/2") 5mm – 38mm (3/16" – 1 1/2") continuous edge profile 38mm – 114mm (1 1/2" – 4 1/2") gulleled egde profile	Porcelain tile, Ceramic tile (non-porcelain) Granite, Marble, Slate	Self cooling, integral wax 5mm – 18mm (3/16" – 4 5/64")  No wax 25mm – 114mm (1" – 4 1/2")	8,000 – 12,000 For optimal performance use a corded angle grinder
waxDRY™ Hole Saw for Drills		Round Hex		5mm – 35mm (3/16" – 1 3/8")		Self cooling, integral wax 5mm – 18mm (3/16" – 4 5/64") No wax 20mm – 114mm (3/4" – 4 1/2")	1,500 – 2,000

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CUTTING EDGE TECHNOLOGY

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