



# CORE BITS CATALOGUE

## HIGH SPEED SHARK TOOTH ROOFTOP



**SYNTEC**  
DIAMOND TOOLS

# CORE BITS

Designed for both light and heavy duty drilling, our premium quality laser welded diamond segments provide the best drilling speeds and maximum performance. For a broad spectrum of applications ranging from reinforced concrete to abrasive materials with a standard drill depth of 430mm and 1 1/4" UNC fitting across diameters from 12mm - 610mm. Our Highspeed core bits come in diameters of 12-45mm, feature a highspeed fitting (1/2" BSP) and are ideal for hand drilling with a shorter drill depth of 350mm.

## HIGHSPEED CORE BITS



Standard Drill Depth: 350mm  
Segment Type: Highspeed Crown  
Fitting: 1/2" BSP  
Reinforced Concrete

PART NO.	DIAMETER	PRICE
CCB-HS12	1/2" (12mm)	\$125.30 +
CCB-HS13	13mm	\$127.40 +
CCB-HS14	14mm	\$128.50 +
CCB-HS15	15mm	\$130.70 +
CCB-HS16	5/8" (16mm)	\$132.80 +
CCB-HS18	18mm	\$137.20 +
CCB-HS19	3/4" (19mm)	\$138.20 +
CCB-HS20	20mm	\$139.30 +
CCB-HS22	22mm	\$141.50 +
CCB-HS23	7/8" (23mm)	\$143.60 +
CCB-HS24	24mm	\$144.70 +
CCB-HS25	1" (25mm)	\$146.90 +
CCB-HS26	26mm	\$148.00 +
CCB-HS28	1 1/8" (28mm)	\$155.50 +
CCB-HS29	29mm	\$159.80 +
CCB-HS30	30mm	\$163.10 +
CCB-HS32	1 1/4" (32mm)	\$166.30 +
CCB-HS34	34mm	\$169.60 +
CCB-HS35	1 3/8" (35mm)	\$170.60 +
CCB-HS36	36mm	\$176.00 +
CCB-HS38	1 1/2" (38mm)	\$180.40 +
CCB-HS39	39mm	\$183.60 +
CCB-HS40	40mm	\$185.80 +
CCB-HS45	1 3/4" (45mm)	\$194.40 +

## SHARK TOOTH CORE BITS



Standard Drill Depth: 430mm  
Segment Type: SharkTooth Segments  
Fitting: 1 1/4" UNC  
Reinforced Concrete

PART NO.	DIAMETER	PRICE
SHK45-S	1 3/4" (45mm)	\$145.80 +
SHK50-S	2" (50mm)	\$125.30 +
SHK57-S	2 1/4" (57mm)	\$135.00 +
SHK64-S	2 1/2" (64mm)	\$148.00 +
SHK70-S	2 3/4" (70mm)	\$152.30 +
SHK76-S	3" (76mm)	\$167.40 +
SHK83-S	3 1/4" (83mm)	\$178.20 +
SHK89-S	3 1/2" (89mm)	\$193.30 +
SHK95-S	3 3/4" (95mm)	\$204.10 +
SHK102-S	4" (102mm)	\$226.80 +
SHK108-S	4 1/4" (108mm)	\$237.60 +
SHK114-S	4 1/2" (114mm)	\$243.00 +
SHK127-S	5" (127mm)	\$264.00 +
SHK140-S	5 1/2" (140mm)	\$299.20 +
SHK152-S	6" (152mm)	\$318.60 +
SHK180-S	7" (180mm)	\$415.80 +
SHK203-S	8" (203mm)	\$487.10 +
SHK229-S	9" (229mm)	\$554.00 +
SHK254-S	10" (254mm)	\$632.90 +
SHK279-S	11" (279mm)	\$719.30 +
SHK305-S	12" (305mm)	\$857.50 +
SHK354-S	14" (354mm)	\$1,001.20 +
SHK405-S	16" (405mm)	\$1,219.30 +
SHK456-S	18" (456mm)	\$1,405.10 +
SHK506-S	20" (506mm)	\$1,689.10 +
SHK560-S	22" (560mm)	\$1,924.60 +
SHK610-S	24" (610mm)	\$2,151.40 +

**CORE BITS FOR REINFORCED CONCRETE**



Standard Drill Depth: 430mm  
 Segment Type: Regular Crown / Rooftop Segments / White Segments  
 Fitting: 1 1/4" UNC

PART NO.	DIAMETER	PRICE
REGULAR CROWN		
CCB12-S	1/2" (12mm)	\$94.00 +
CCB14-S	14mm	\$96.10 +
CCB16-S	5/8" (16mm)	\$99.40 +
CCB18-S	18mm	\$101.50 +
CCB19-S	3/4" (19mm)	\$102.60 +
CCB20-S	20mm	\$103.70 +
CCB22-S	22mm	\$105.80 +
CCB23-S	7/8" (23mm)	\$106.90 +
CCB24-S	24mm	\$108.00 +
CCB25-S	1" (25mm)	\$109.10 +
CCB26-S	26mm	\$110.20 +
CCB28-S	1 1/8" (28mm)	\$116.60 +
CCB30-S	30mm	\$122.00 +
CCB32-S	1 1/4" (32mm)	\$124.20 +
CCB35-S	1 3/8" (35mm)	\$127.40 +
CCB38-S	1 1/2" (38mm)	\$135.00 +
CCB40-S	40mm	\$139.30 +
CCB42-S	1 5/8" (42mm)	\$142.60 +
CCB45-S	1 3/4" (45mm)	\$145.80 +
CCB50-S	2" (50mm)	\$125.30 +
ROOFTOP CONCRETE SEGMENTS		
CCB57-S	2 1/4" (57mm)	\$135.00 +
CCB64-S	2 1/2" (64mm)	\$148.00 +
CCB70-S	2 3/4" (70mm)	\$152.30 +
CCB76-S	3" (76mm)	\$167.40 +
CCB83-S	3 1/4" (83mm)	\$178.20 +
CCB89-S	3 1/2" (89mm)	\$193.30 +
CCB95-S	3 3/4" (95mm)	\$204.10 +
CCB102-S	4" (102mm)	\$226.80 +
CCB108-S	4 1/4" (108mm)	\$237.60 +
CCB114-S	4 1/2" (114mm)	\$243.00 +
CCB127-S	5" (127mm)	\$264.60 +
CCB140-S	5 1/2" (140mm)	\$299.20 +
CCB152-S	6" (152mm)	\$318.60 +
CCB180-S	7" (180mm)	\$415.80 +
WHITE SEGMENTS		
CCB203-S	8" (203mm)	\$487.10 +
CCB229-S	9" (229mm)	\$554.00 +
CCB254-S	10" (254mm)	\$632.90 +
CCB279-S	11" (279mm)	\$719.30 +
CCB305-S	12" (305mm)	\$857.50 +
CCB354-S	14" (354mm)	\$1,001.20 +
CCB405-S	16" (405mm)	\$1,219.30 +
CCB456-S	18" (456mm)	\$1,405.10 +
CCB506-S	20" (506mm)	\$1,689.10 +
CCB560-S	22" (560mm)	\$1,924.60 +
CCB610-S	24" (610mm)	\$2,151.40 +

**CORE BITS FOR ABRASIVE MATERIAL**



Standard Drill Depth: 430mm  
 Segment Type: Regular Crown / Rooftop Segments  
 Fitting: 1 1/4" UNC

PART NO.	DIAMETER	PRICE
REGULAR CROWN		
ACB12-S	1/2" (12mm)	\$113.40 +
ACB14-S	14mm	\$115.60 +
ACB16-S	5/8" (16mm)	\$118.80 +
ACB18-S	18mm	\$122.00 +
ACB19-S	3/4" (19mm)	\$123.10 +
ACB20-S	20mm	\$124.20 +
ACB22-S	22mm	\$127.40 +
ACB23-S	7/8" (23mm)	\$128.50 +
ACB24-S	24mm	\$129.60 +
ACB25-S	1" (25mm)	\$131.80 +
ACB26-S	26mm	\$132.80 +
ACB28-S	1 1/8" (28mm)	\$139.30 +
ACB30-S	30mm	\$145.80 +
ACB32-S	1 1/4" (32mm)	\$149.00 +
ACB35-S	1 3/8" (35mm)	\$153.40 +
ACB38-S	1 1/2" (38mm)	\$162.00 +
ACB40-S	40mm	\$167.40 +
ACB42-S	1 5/8" (42mm)	\$170.60 +
ACB45-S	1 3/4" (45mm)	\$175.00 +
ACB50-S	2" (50mm)	\$151.20 +
ROOFTOP ABRASIVE SEGMENTS		
ACB57-S	2 1/4" (57mm)	\$162.00 +
ACB64-S	2 1/2" (64mm)	\$177.10 +
ACB70-S	2 3/4" (70mm)	\$183.60 +
ACB76-S	3" (76mm)	\$200.90 +
ACB83-S	3 1/4" (83mm)	\$213.80 +
ACB89-S	3 1/2" (89mm)	\$232.20 +
ACB95-S	3 3/4" (95mm)	\$244.10 +
ACB102-S	4" (102mm)	\$272.20 +
ACB108-S	4 1/4" (108mm)	\$285.10 +
ACB114-S	4 1/2" (114mm)	\$291.60 +
ACB127-S	5" (127mm)	\$317.50 +
ACB140-S	5 1/2" (140mm)	\$358.60 +
ACB152-S	6" (152mm)	\$382.30 +
ACB180-S	7" (180mm)	\$499.00 +
ACB203-S	8" (203mm)	\$584.30 +
ACB229-S	9" (229mm)	\$665.30 +
ACB254-S	10" (254mm)	\$759.20 +
ACB279-S	11" (279mm)	\$862.90 +
ACB305-S	12" (305mm)	\$1,029.20 +
ACB354-S	14" (354mm)	\$1,201.00 +
ACB405-S	16" (405mm)	\$1,462.30 +
ACB456-S	18" (456mm)	\$1,687.00 +
ACB506-S	20" (506mm)	\$2,027.20 +
ACB560-S	22" (560mm)	\$2,310.10 +
ACB610-S	24" (610mm)	\$2,582.30 +

**CUSTOM MADE CORE BITS ARE MADE TO ORDER.  
 CONTACT YOUR LOCAL SALES REPRESENTATIVE FOR FURTHER INFORMATION**

# CORE DRILLING KIT

## HAND HELD ELECTRIC CORE DRILLING MACHINES

Hand held electric drilling machines are available with a 2-speed or 3-speed motor. Both are designed for maximum productivity.

### FEATURES:

- 2 speed or 3 speed gearbox with oil bath lubrication and overload clutch
- Wet and dry drilling in different materials without changing accessories or attachments
- Levelling assistance - two integrated levels
- Tough and reliable full metal housing
- Includes complete toolset in a practical carry case
- Fitted with overload protection

### APPLICATIONS:

- Hand held and rig operated wet drilling in concrete, masonry and stone
- Through holes for cables, cable trays and pipes
- Stitch drilling of through holes for plumbing, air conditioning installations and ventilation openings
- Coring holes in ceilings, walls and floors without hammering and vibration

### 2-SPEED ELECTRIC CORE DRILLING MACHINE



PART NO. SCY-90-2BS

PRICE. \$792.70 + GST

### SPECIFICATIONS

Voltage:	~ 240 V
Input Power:	1800W
Max Drill Diameter:	90mm Hard Materials 152mm Soft Materials
Frequency:	50 ~ 60 Hz
RPM:	800 / 3600 RPM
Drill Rig Attachment:	60mm Clamping Collar

### 3-SPEED ELECTRIC CORE DRILLING MACHINE



PART NO. SCY-90-3BS

PRICE. \$1,584.40 + GST

### SPECIFICATIONS

Voltage:	~ 240 V
Input Power:	2100W
Max Drill Diameter:	150mm Hard Materials 180mm Soft Materials
Frequency:	50 ~ 60 Hz
RPM:	630 / 1400 / 3000 RPM
Drill Rig Attachment:	60mm Clamping Collar

## DRILL STAND

PART NO. KCY-280F

PRICE. \$1,428.80 + GST



The full sized drill stand features a quick release motor mount and offers versatility of use as a bolt down or vacuum base with a vacuum pump.

- fast set up with integrated vacuum base eliminates anchoring or clamping.
- back support is clamped to the column with a rigid locking system stabilising operations
- adjustment screws on the base plate, carriage and back support can be adjusted with the feed handle.
- compact and easy to transport
- light, adjustable aluminium stand can be tilted to drill holes from 45° - 90°

## VACUUM PUMP

PART NO. 2RS-2

PRICE. \$546.50 + GST



When working in areas that do not allow for a mechanical anchor, our vacuum pump will ensure your drill stand base is safely secured to most tiled and concrete surfaces.

### SPECIFICATIONS

Voltage:	220V / 50Hz
Free Air Displacement:	4.5 CFM
Ultimate Vacuum:	3x10 <sup>-1</sup> Pa
Power (HP):	1/2
Oil Capacity (ml):	330
Dimensions (mm):	290 x 115 x 220
Weight (kg):	9

# ACCESSORIES

## CORE BIT HANDLE

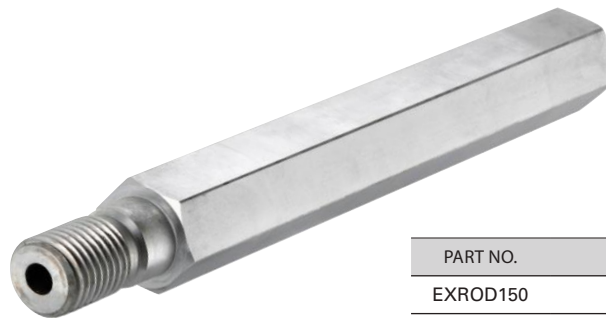


Syntec 1 1/4" 7TPI - Hi Speed Core Bit Handle has a maximum carry weight of 30kg.

PART NO.	PRICE
CBH	\$17.95 +

## CORE BIT EXTENSION RODS 1 1/4" UNC

Syntec's core bit extension rods can quickly increase the drilling depth of your core bit by 150mm, 300mm or 450mm. Extension rods are suitable for core bits with diameter > 45mm.



PART NO.	LENGTH	PRICE
EXROD150	150mm	\$85.30 +
EXROD300	300mm	\$145.80 +
EXROD450	450mm	\$204.10 +

## CORE BIT ADAPTORS

Syntec adaptors convert your existing drill fitting, allowing you to use core bits with a different fitting.



PART NO.	DESCRIPTION	PRICE
ADAPTOR-7UNC-1/2" BSP	1-1/4" 7UNC Male to 1/2" BSP Male	\$81.00 +
ADAPTOR-HILTI-7UNC	Hilti to 1 1/4" Male UNC-1/2" BSP Female	\$113.40 +

# SEGMENTS AND CROWNS



## SHARK TOOTH SEGMENTS

- For reinforced concrete, exposed aggregate and precast concrete
- Developed with a softer bond for a fast, aggressive cut and long life
- Serrated design grips straight into the substrate reducing deviation from point of contact



## ROOFTOP CONCRETE SEGMENTS

- For reinforced concrete, exposed aggregate and precast concrete
- Developed for a long life
- Enable a fast starting of cut



## ROOFTOP ABRASIVE SEGMENTS

- For abrasive materials
- Developed with a hard bond for a long life



## REGULAR CROWNS

- For reinforced concrete, exposed aggregate and precast concrete
- Featured on core bits < 50mm in diameter



## HIGHSPEED CROWNS

- For heavily reinforced / high MPa concrete
- Featured on core bits < 45mm in diameter
- Developed with a softer bond and larger diamonds to make faster cutting easier and reduce the likelihood of the bit grabbing when hitting reinforced parts

Syntec offers individual segments (available for 45 - 200mm barrels) and regular crowns (12 - 44mm) for re-tipping worn out core bits.

## SEGMENTS

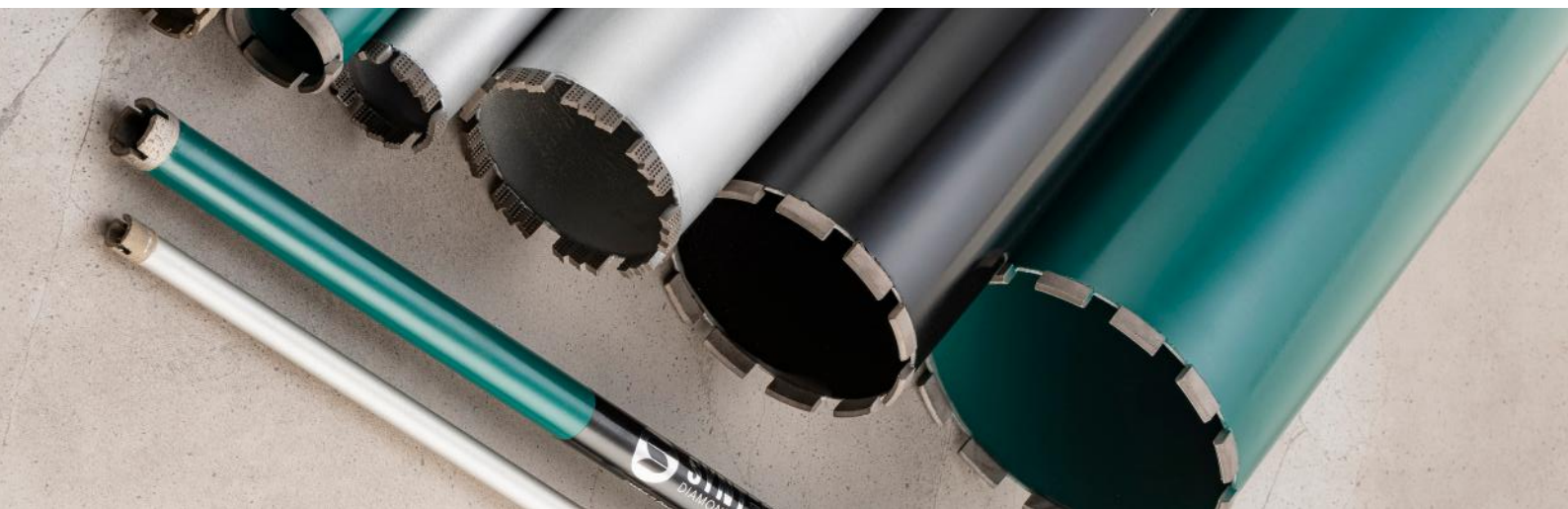
	SHARK TOOTH	ROOFTOP CONCRETE	ROOFTOP ABRASIVE
PART NO	SHKSEG-xx	SPCDSxx	SPCDABSxx
PRICE	\$9.70 +	\$9.70 +	\$11.10 +

xx = core bit diameter

CORE BIT DIAMETER (MM)	NO. OF SEGMENTS
45	4
50	5
51	5
57	5
64	6
70	6
76	7
83	7
89	8
95	8
100	9
102	9
108	10
114	10
127	11
140	13
152	13
165	14
178	15
180	15
200	16

## REGULAR CROWNS

PART NO.	DIAMETER	PRICE
SYCRCC12	1/2" (12mm)	\$46.00 +
SYCRCC14	14mm	\$47.10 +
SYCRCC16	5/8" (16mm)	\$48.70 +
SYCRCC18	18mm	\$49.70 +
SYCRCC19	3/4" (19mm)	\$50.30 +
SYCRCC20	20mm	\$50.80 +
SYCRCC22	22mm	\$51.90 +
SYCRCC23	7/8" (23mm)	\$52.40 +
SYCRCC24	24mm	\$52.90 +
SYCRCC25	1" (25mm)	\$53.40 +
SYCRCC26	26mm	\$54.00 +
SYCRCC28	1 1/8" (28mm)	\$57.20 +
SYCRCC29	29mm	\$58.50 +
SYCRCC30	30mm	\$59.80 +
SYCRCC32	1 1/4" (32mm)	\$60.90 +
SYCRCC35	1 3/8" (35mm)	\$62.40 +
SYCRCC38	1 1/2" (38mm)	\$66.20 +
SYCRCC40	40mm	\$68.30 +
SYCRCC42	1 5/8" (42mm)	\$69.90 +
SYCRCC44	44mm	\$70.70 +
SYCRCC45	1 3/4" (45mm)	\$71.40 +
SYCRCC46	46mm	\$73.10 +
SYCRCC48	48mm	\$75.60 +
SYCRCC50	2" (50mm)	\$78.00 +
SYCRCC51	51mm	\$79.70 +





### **OUR HERITAGE**

Company owners Paul Freer and Dennis Clift formed Syntec Diamond Tools in 1994. The business soon became Australia's largest diamond tool manufacturer and a leader in developing, manufacturing, and supplying the latest designs and innovative products in the diamond tool industry. Syntec Diamond Tools has a 26,000 square metre manufacturing site and offices in South Australia, a full-service facility and office in the USA.

### **AUSTRALIAN MADE**

By investing in a fleet of the most sophisticated machines available to manufacture diamond tooling, Syntec has simplified the process, always ensuring consistent quality and allowing for competitive pricing. From the superior raw materials used in production and strict quality control standards to the finishing and packaging of the products – no detail is overlooked in the process. We are committed to quality workmanship and creating industry-leading products that differentiate us from other diamond tool manufacturers.

### **OUR FOCUS**

With each product, our goal is to add value and performance for our customers. Therefore, all our diamond tools are manufactured with job applications in mind. Our product designers and the technical team find out specifically what is required and can custom make products for most applications.

### **OUR IDEAS AND INNOVATION**

Syntec Diamond Tools has been at the forefront of innovation in the diamond tool industry and continues to strive to meet challenges through ongoing investment in research, development, machinery, and product testing.

**scan the QR codes to visit our**



Product Catalogue



Website



Facebook



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