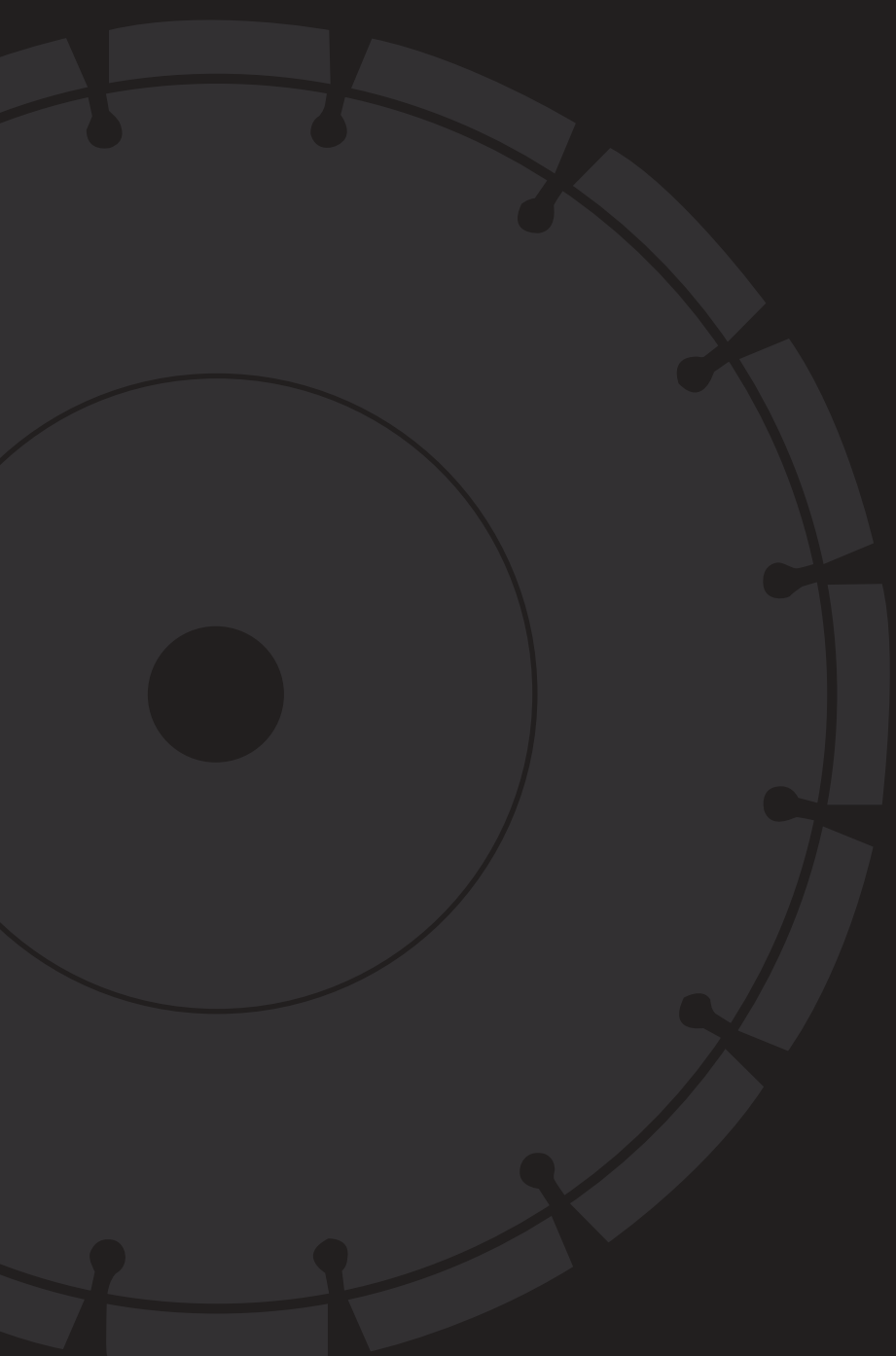
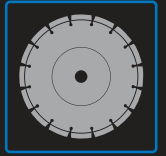


PROVENTURE

DIAMOND BLADES AND COREBITS

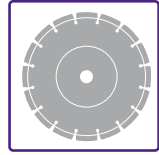


DELIVERING CUTTING TECHNOLOGY

WWW.PROVENTURE.CO.UK

PROVENTURE

DIAMOND BLADES AND COREBITS



PROVENTURE supply specialised diamond cutting equipment throughout the UK. More than ninety five percent of our diamond products are manufactured in Germany to ISO9001:2008 standards.

Our diamond blades and core drills are the product of over 30 years experience in research, development and production of diamond products. We have an extensive range of diamond saw blades with a blade suited to every application.

Founded in 2001 by two industry professionals with more than forty years combined experience within the construction industry, ProVenture has established itself as a market leader in diamond blade and corebit technology and has worked closely with clients on major build projects throughout the UK.

Please contact us for further information on our other product ranges :-



CHEMICAL ANCHORS



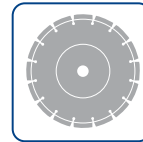
MECHANICAL ANCHORS



INSULATION FIXINGS



POWDER ACTUATED FASTENINGS



DIAMOND BLADES AND COREBITS

MAJOR PROJECTS

PROVENTURE have been closely involved with contractors on major projects including:

FLOOD DEFENCES

Thames Barrier
Kirkcaldy sea wall
Littlehampton tidal wall
Cromer coast protection
RSPB, Minsmere
National Grid Framework

COMMERCIAL

Canary Wharf
NEC Resort World
Battersea Power Station
Bristol Glass Wharf
Old Trafford Football Ground
Etihad Stadium

BRIDGES AND TUNNELS

Lee Tunnel London
Forth Road Bridge
United Utilities AMP 5 and 6
Clifton Suspension Bridge
Gobbins Coastal Path
Millennium Bridge

PUBLIC SECTOR

Olympic Stadium
Media City
University of Ulster
Manchester University
Stafford Beacon Barracks
National Graphene Institute

RAIL

Crossrail
St. Pancras
Chorley Flying Arches
London Underground
Manchester Metrolink
Manchester Victoria



DIAMOND BLADE APPLICATION TABLE

Blade designation	PVST	PVSC	PVSC1	PVSC2	PVSC3	PVSGP	PVSA1	PVSA2	PVSA3	PVSGC	PVSRB
Application											
granite and flint	▲	▲									
very hard engineering bricks	△	▲	△								△
hard concrete over 50 kN	△	▲	△								△
clay paviors	▲	△	△	△	△						△
clay pipes	▲	△	△								△
vitrified clay products	▲		△								△
hard facing bricks	△	▲	▲	△	△	△					△
abrasive granite	▲										△
clay roof tiles	▲	△	△	△	△						△
medium facing bricks	△		▲	△		△					△
hard slate	△		▲	△	△	△					△
kerbs	△		▲	△	△	△					△
slabs	▲		▲	▲	▲	△					△
lintels	△		▲	△	△	△					△
concrete paviors	△		▲	△	△	△					△
soft facing bricks	▲		△	△	△						△
concrete blocks over 15kN	▲		△	△	△						△
soft slate	▲		△	△	△	△					△
concrete roof tiles	▲		△	△	△	△					△
sandstone; coarse/hard						△	▲	△	△		△
asphalt over concrete	▲	△	△	△	△						△
concrete blocks under 15kN						△	▲	△	△		△
abrasive/breeze block							▲	△	△		△
limestone											△
asphalt							▲	▲	▲		△
abrasive asphalt							▲	△	△		△
green concrete							△	△	△	▲	△

KEY:	
Recommended	▲
Suitable	△

Indicates which blades are recommended ▲ and/or suitable △ for applications listed in the table. If you have an application not listed, please contact us. We are confident we can supply a blade for every application.

DIAMOND BLADES

ProVenture offer a comprehensive choice of diamond saw blades suitable for cutting all building materials. Our range includes **PVSC** for **concrete and other** hard materials and the **PVSA** range for **abrasive** applications. Our **Titan** and **PVSGP** general purpose blades

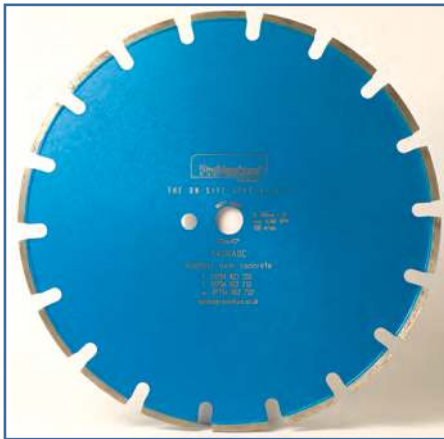
are suitable for a wide range of base materials. All our blades have been developed to suit particular needs including extremely fast cutting, longevity and a balance of both.

We are confident we can provide a blade to suit any application. Please contact us to discuss any aspect of diamond cutting.

CONCRETE

For a professional concrete blade with high cutting speed and long lifetime, we would recommend our PVSC range :

PVSC Concrete



Main Application

Very hard concrete, very hard bricks, granite
Speed

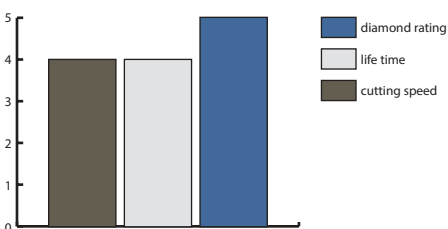
Extremely fast cutting

Segments

No. of segments	Height (mm)	Length (mm)	Width (mm)
18	6.5	40	2.7

specification for 300mm blade

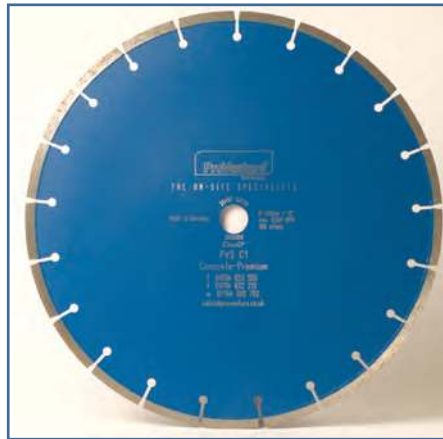
Ratings



Fabrication

Laser welded, made in Germany

PVSC1 Concrete



Main Application

Hard concrete, hard facing brick, slate
Speed

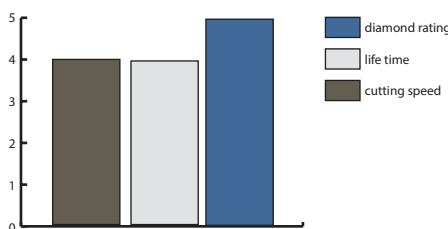
Extremely fast cutting

Segments

No. of segments	Height (mm)	Length (mm)	Width (mm)
21	6.5	40	2.7

specification for 300mm blade

Ratings



Fabrication

Laser welded, made in Germany

PVSC2 Concrete



Main Application

concrete products, slabs, brick

Speed

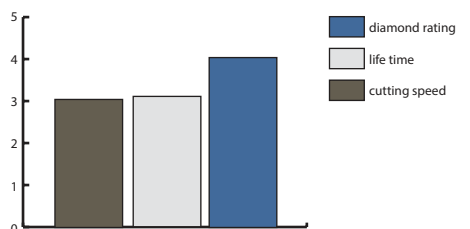
Very fast cutting

Segments

No. of segments	Height (mm)	Length (mm)	Width (mm)
20	6.5	40	2.7

specification for 300mm blade

Ratings

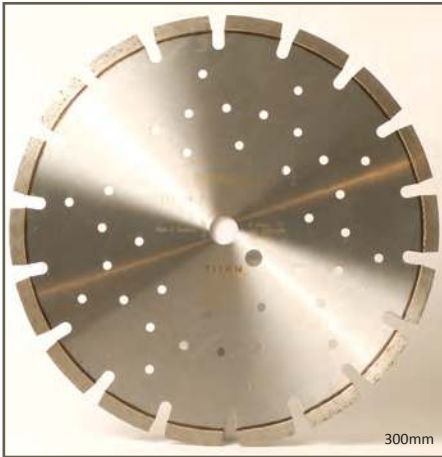


Fabrication

Laser welded, made in Germany

SPECIALIST GENERAL PURPOSE BLADES

PVST Titan



Very fast cutting blade

Our unique Titan blade is suitable for a wide range of base materials including granite, concrete, clay products, brick and slate. It has a 10mm high segment and drilled holes in the steel centre to aid noise reduction and blade cooling.

Recommended Applications

- * granite and flint
- * hard concrete
- * clay paviors
- * clay pipes
- * abrasive granite
- * clay roof tiles
- * slabs
- * soft facing bricks
- * concrete blocks >15kN
- * soft slate
- * concrete roof tiles
- * asphalt over concrete

Suitable Applications

- * very hard engineering bricks
- * hard concrete <50kN
- * hard facing bricks
- * medium facing bricks
- * hard slate
- * kerbs
- * lintels
- * concrete paviors

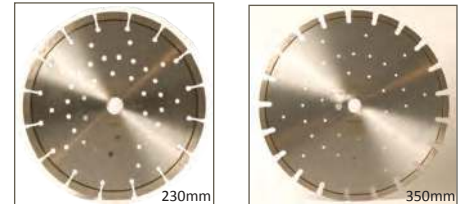
Segments

No. of segments	Height (mm)	Length (mm)	Width (mm)
18	10	40	2.7

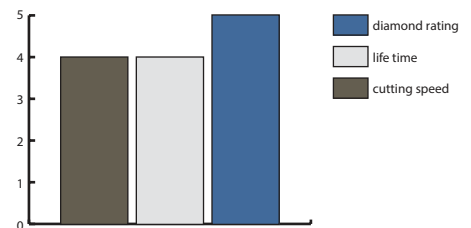
specification for 300mm blade

Sizes

All blades available in 100mm, 125mm, 230mm, 300mm, 350mm, 450mm, other sizes available on request.



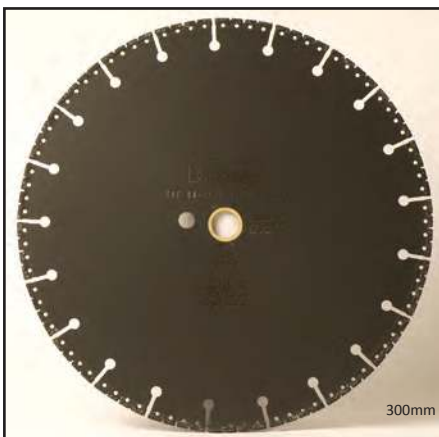
Ratings



Fabrication

Laser welded, made in Germany

PVSRB Rescue Blade



Extremely fast cutting blade

The PVSRB Rescue blade was designed for use by the emergency services when dealing with road traffic accidents and other emergency situations. The rescue blade can cut through metal, concrete, brick, cable, wood with nails, plastic and more with ease.

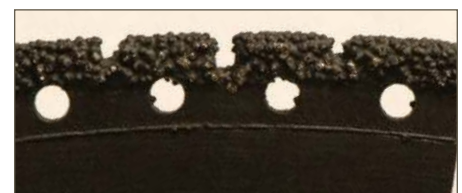
Suitable Applications

- * hard concrete <50kN
- * clay paviors
- * clay pipes
- * abrasive granite
- * clay roof tiles
- * medium facing bricks
- * hard slate
- * kerbs
- * slabs
- * lintels
- * concrete paviors
- * soft facing bricks
- * concrete blocks >15kN
- * soft slate
- * concrete four tiles
- * sandstone - coarse/hard
- * concrete blocks <15kN
- * abrasive /breeze block
- * asphalt
- * green concrete
- * metal
- * plastics, carbon fibre

Segments

No. of segments	Height (mm)	Length (mm)	Width (mm)
21	8	40	3.3

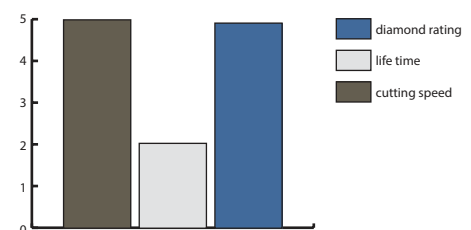
specification for 300mm blade



Sizes

All blades available in 100mm, 125mm, 230mm, 300mm, 350mm, 450mm, other sizes available on request.

Ratings



Fabrication

Vacuum brazed, made in Germany

DIAMOND BLADES

ABRASIVE MATERIALS

PVSA1 Abrasive



Main Application

Abrasive materials, asphalt, hard sandstone, abrasive concrete block

Speed

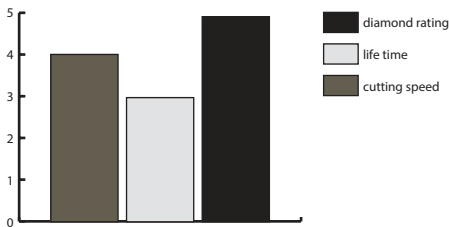
Very fast cutting

Segments

No. of segments	Height (mm)	Length (mm)	Width (mm)
18	6.5	40	2.7

specification for 300mm blade

Ratings



Fabrication

Laser welded, made in Germany

PVSA2 Abrasive



Main Application

Abrasive materials, asphalt, sandstone, green concrete

Speed

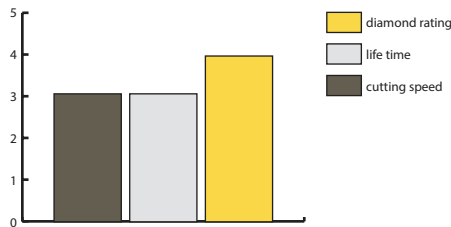
fast cutting

Segments

No. of segments	Height (mm)	Length (mm)	Width (mm)
18	6.5	40	2.7

specification for 300mm blade

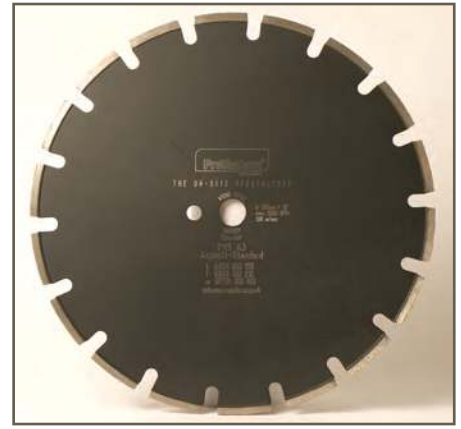
Ratings



Fabrication

Laser welded, made in Germany

PVSA3 Abrasive



Main Application

Abrasive materials, asphalt

Speed

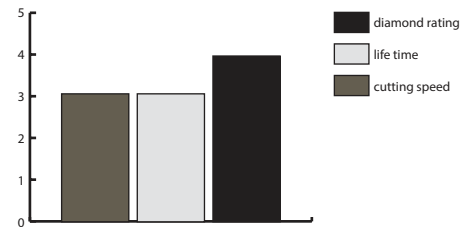
fast cutting

Segments

No. of segments	Height (mm)	Length (mm)	Width (mm)
18	6.5	40	2.7

specification for 300mm blade

Ratings



Fabrication

Laser welded, made in Germany



SEGMENTS

Our segments are manufactured in Germany to the highest specification using a combination of material bond and diamond grit to produce the highest quality diamond saw blades to ISO9001:2008 standards.



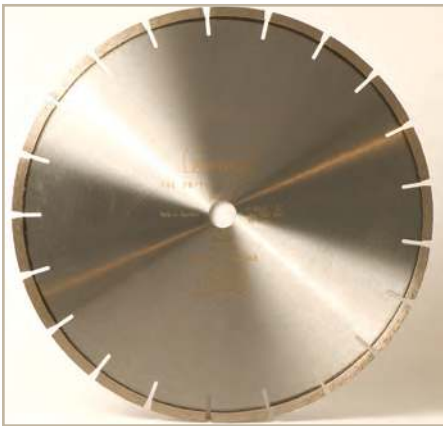
GENERAL PURPOSE

PVSC3 Concrete

PVSGP General purpose

GREEN CONCRETE

PVSGC Green Concrete



Main Application
concrete products, brick

Main Application
concrete, soft brick, sandstone

Main Application
green concrete, maximum 36 hours

Speed
very fast cutting

Speed
fast cutting

Speed
fast cutting

Segments

Segments

Segments

No. of segments	Height (mm)	Length (mm)	Width (mm)
21	6.5	40	2.7

No. of segments	Height (mm)	Length (mm)	Width (mm)
18	7	46	2.45

No. of segments	Height (mm)	Length (mm)	Width (mm)
21	6.5	40	2.7

specification for 300mm blade

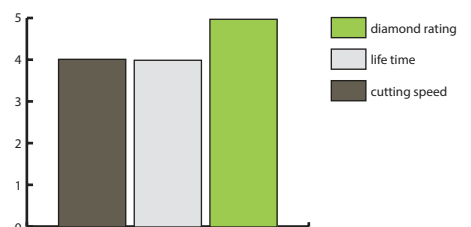
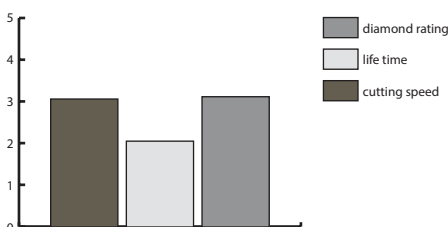
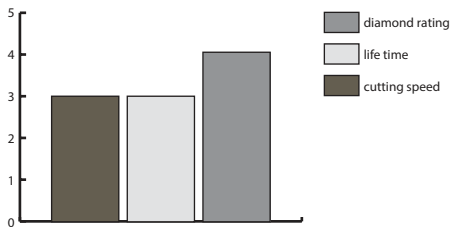
specification for 300mm blade

specification for 300mm blade

Ratings

Ratings

Ratings



Fabrication

Laser welded, made in Germany

Fabrication

Sintered

Fabrication

Laser welded, made in Germany



SIZES

Proventure blades are available in :-

100mm, 115mm, 125mm,
230mm, 300mm, 350mm,
400mm, 450mm, 750mm.

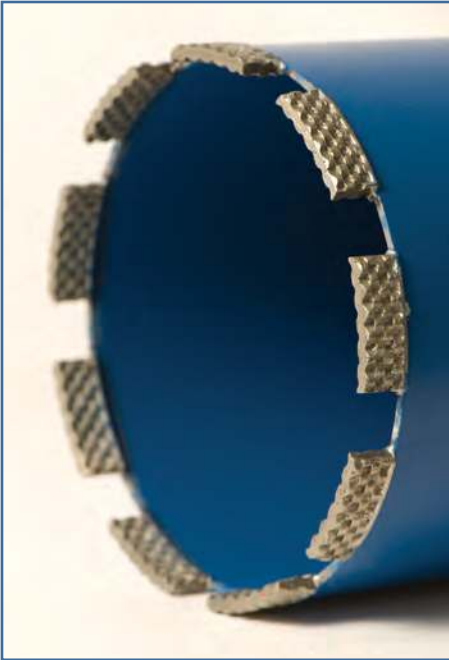
other sizes available on request



CORE DRILLS

ProVenture diamond segmented core drills are manufactured in Germany, utilising the latest technology and carefully selected raw materials. Our standard range is listed in the tables below but should you need special sizes, length, connection or segment sizes, please contact the sales office.

WET DIAMOND CORE DRILLS



Applications

reinforced concrete, brickwork

Characteristics

very fast cutting

Fabrication

The main wet core drill sizes (between 48mm and 200mm diameter) are generally laser welded, all other sizes are brazed.

Outer diameter (mm)	Usable length (mm)	Segments l x w x h	Number of Segments	Connection type
10, 12, 14, 16	320	ring segments		R 1/2 " BSP
18, 20, 22, 24, 25, 26, 28, 30, 32, 35, 37, 38, 40, 42, 50	400	ring segments		R 1/2 " BSP
52, 58, 62	450	20 x 3.5 x 8	6	1 1/4 " UNC
65, 68, 72	450	20 x 3.5 x 8	7	1 1/4 " UNC
78, 82	450	20 x 3.5 x 8	8	1 1/4 " UNC
92, 102	450	20 x 3.5 x 8	9	1 1/4 " UNC
107, 112, 122	450	20 x 3.5 x 8	10	1 1/4 " UNC
125, 127, 132	450	20 x 4.0 x 8	11	1 1/4 " UNC
142	450	20 x 4.0 x 8	12	1 1/4 " UNC
152	450	20 x 4.0 x 8	13	1 1/4 " UNC
162	450	20 x 4.0 x 8	14	1 1/4 " UNC
172, 182	450	20 x 4.0 x 8	15	1 1/4 " UNC
187, 192	450	20 x 4.0 x 8	16	1 1/4 " UNC
200	450	20 x 4.0 x 8	18	1 1/4 " UNC
212, 225, 232, 250, 257, 300	450	20 x 4.5 x 8	20	1 1/4 " UNC
350	450	20 x 4.5 x 8	22	1 1/4 " UNC

DRY DIAMOND CORE DRILLS



High quality 10mm segment height, slotted barrel for dust clearance.

Outer diameter (mm)	Usable length (mm)	Connection type
32 to 162	70 to 150	R 1/2 " BSP

Applications

Brickwork

Characteristics

very fast cutting

Accessories available

Adapters:

We supply a range of male/female adapters to suit combinations of 1/2" BSP, Hex, 1^{1/4}" UNC and SDS Plus requirements.

Extension pieces

150, 250, 300mm extension rods also available

In addition to our diamond saw blade and core drill range, we supply other diamond products including cup grinders, mortar raking blades, diamond looping blades and polishing discs, some of which are shown below. If you have any other diamond requirements please contact us.

DIAMOND CUP GRINDERS



Turbo segmented discs for a smoother finish.

A range of turbo, single and double row grinding and polishing discs for use with angle grinders.

Applications

All stone and concrete types

Diameter (mm)	Bore size (mm)	Segment width (mm)
115	22.23	4.5 and 6.4
125	22.23	4.5 and 6.4
180	22.23	4.5 and 6.4

MORTAR RAKING BLADES



Applications

Abrasive materials, mortar, brickwork.

Characteristics

Very fast cutting

long tungsten carbide inserts to resist undercutting.



Diameter (mm)	Bore size (mm)	Segment width (mm)
115	22.23	4.5 and 6.4
125	22.23	4.5 and 6.4
180	22.23	4.5 and 6.4

LOOPING BLADES

Professional blades specifically designed for detector loop and joint cutting applications. Asphalt and concrete looping blades available.

Diameter (mm)	Bore size * (mm)	Segment length x height (mm)	Segment width (mm)	Number of segments
300	20.0	50 x 7	6, 8, 10,12,14	15
350	25.4	50 x 7	6, 8, 10,12,14	17

* alternative bore sizes can be produced on request

<i>Range</i>	<i>Details</i>	<i>Page</i>
Diamond blade application chart	1
Concrete range	PVSC, PVSC1, PVSC2	2
Titan blade	PVST	3
Rescue Blade	PVSRB	3
Abrasive	PVSA1, PVSA2, PVSA3	4
General Purpose	PVSC3, PVSGP	5
Green Concrete	PVSGC	5
Diamond core drills	WET, DRY diamond core drills	6
Other diamond products	Cup grinders, Mortar raking blades, Looping blades	7

BLADE SAFETY INFORMATION



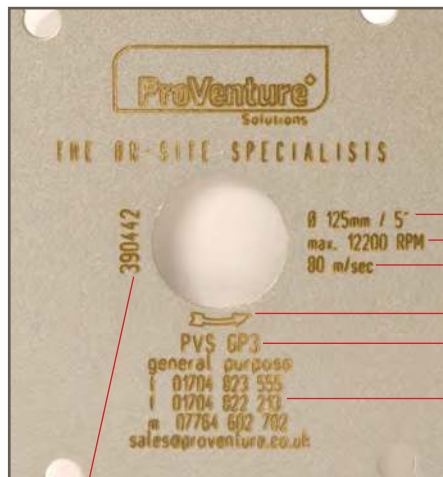
Always comply with all safety and accident prevention regulations.

The arrow on the wheel indicating the direction of rotation must coincide with the direction of rotation of the machine. Use personal safety equipment. Carry out a free running speed test. A blade guard must be used. Fitting must be carried out by a competent person. Hand tighten the flange nut only. Check that the flanges are clean and of equal size. The centre bore of the blade must fit to the machine shaft. A reduction bush must be used if the bore is too large. Guide the cutting wheel straight into the material. Do not tilt or subject it to lateral stress or pressure. The weight of the machine is sufficient. Carry out a slight pendulum movement (forwards, backwards).



Always wear a dust mask, ear protection, safety gloves and safety glasses or goggles.
Always observe ALL safety instructions.

GENERAL INFORMATION



All ProVenture blades are laser engraved with size, application, speed and serial number information. Our ProVenture contact details are also marked. This information will still be visible after use of the blade.

- Ø 125mm / 5" — Blade diameter mm / "
- max. 12200 RPM — Maximum revolutions per minute
- 80 m/sec — Maximum peripheral speed
- — Directional arrow
- PVS GP3 — Blade designation and application
- general purpose
t 01704 822 555
f 01704 822 210
m 07764 692 702
sales@proventure.co.uk — Proventure contact details

Unique serial number

PROVENTURE

ANCHORING TECHNOLOGY



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E SALES@PROVENTURE.CO.UK
W WWW.PROVENTURE.CO.UK

DELIVERING ANCHORING TECHNOLOGY