www.abracs.com

ABRACS

A PRODUCT OF ABRACS UK

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Established
1989

ABRACS

DIAMOND CUTTING TOOLS

Catalogue

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A CUT
ABOVE THE REST

AIMING TO CHANGE THE GAME

Abracs specialise in ultimate performance, expert quality Diamond Blade design and manufacture. We have a comprehensive range of innovative Diamond Blade solutions for all industrial & construction market needs. Developed with over 25 years market expertise.

With over 25 years experience in the marketplace, excellent service has always been a top priority for the Abracs team. We've built a reputation as professionals who live in the "real world" and being tuned in to our customers practical needs is one of the key elements that has contributed to our success for so long.

Abracs are known in the UK for our quality products offering professional performance and lasting quality whilst also being very user friendly. We understand that producing top quality products is not the only important thing in our business. It is important to get all of the hard work and product development that goes into our products across to the customer.

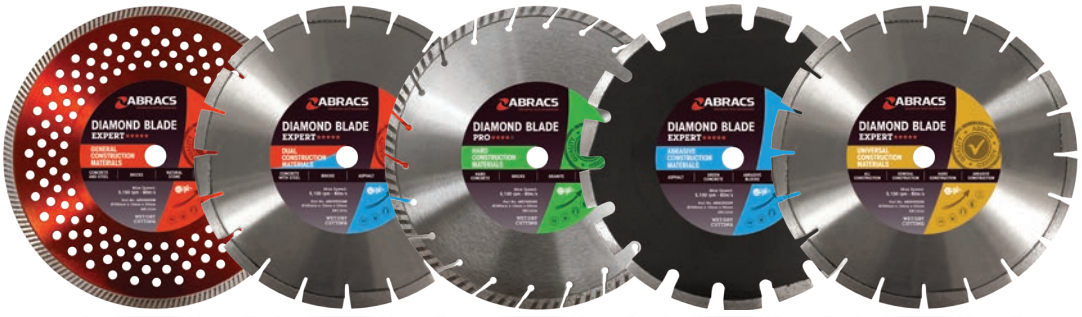
We have a comprehensive distributor support package that is designed to communicate what makes Abracs the best as well as important features and unique selling points of our Abracs branded products.

Thank you very much for your interest in Abracs, we are looking forward to working in close partnership with both you and your business.

Rob Jeffery

ROB JEFFERY

Managing Director



WHY CHOOSE ABRACS?

QUALITY

Our Diamond products are manufactured to the highest standards & are designed specifically for professionals.
Our comprehensive Diamond Blade range is Abracs Quality assured, guaranteeing you excellence at all times.

HISTORY

Established in 1989. We have built a solid reputation for over 25 years for servicing the industrial and construction market.

PERFORMANCE

International recognition for first class product performance. Customers enjoy a high return on their investment through speed, life, strength and value.

SERVICE & SUPPORT

York based headquarters with over £1 million worth of stock holding and next day delivery nationwide as standard. Complete sales, marketing, products in-store and end user support available to our distributors.

RANGE

Comprehensive cross section of Diamond Blades to cater for all applications and market needs, price and performance levels for every professional user.

ACCREDITATIONS

Recognition and approval with various world renowned governing bodies as proof of our product safety, quality control, design and manufacture.

MANUFACTURING EXPERTISE

Abracs precision manufacture and modern quality control methods allow us to control and regulate the variables that affect blade life, quality of cut and surface finish.

1 THE DIAMOND

Every Abracs Diamond Blade is tipped with premium quality synthetic diamond impregnated into metal bonded segments.

2 SEGMENT

The varying strength of the bond matrix in the segment determines the type of materials to cut.

3 GULLET

The gullets improve air flow which in turn dissipates heat and remove slurry from the cut.

4 LASER WELDED

The laser welded segment improves strength and durability on certain blade types.

5 DIAMOND PLACEMENT

The bottom 1.5-2mm on blades which are laser welded (known as free backing) does not contain diamonds as this adversely affects the laser weld.

6 STEEL CORE

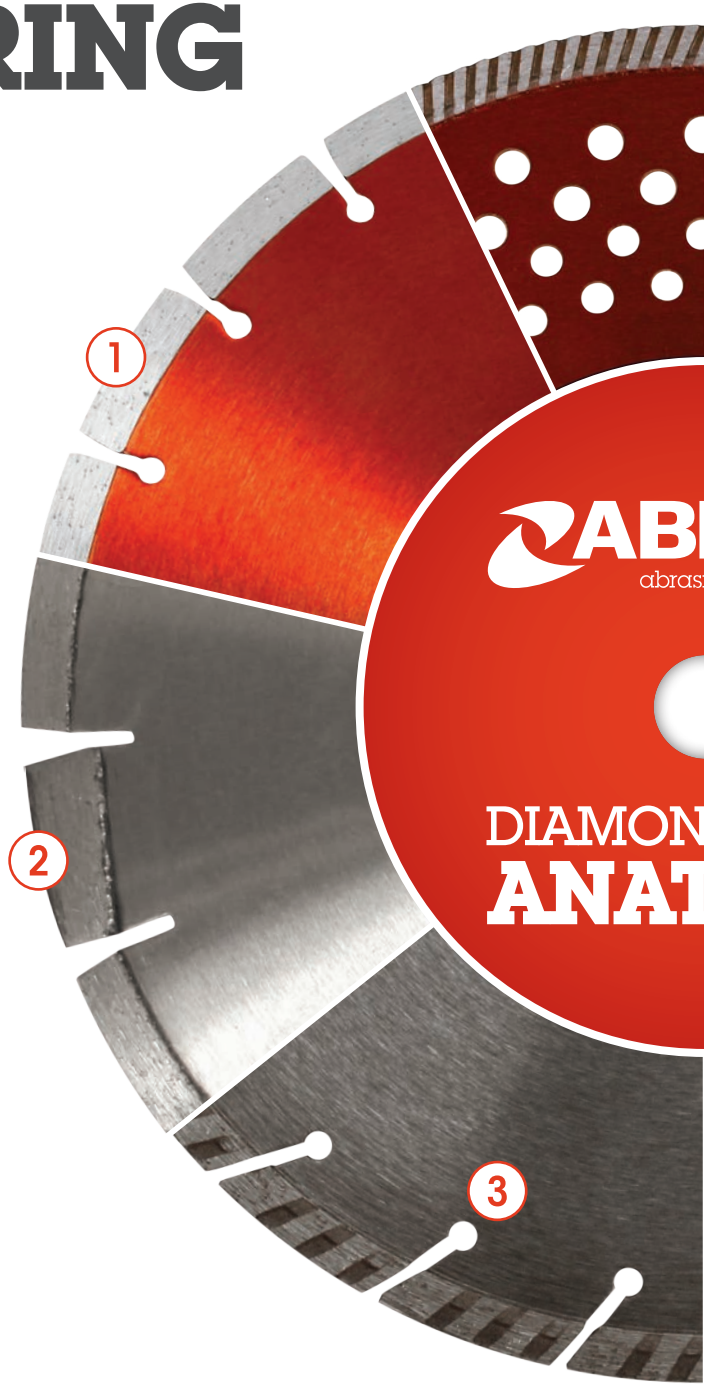
Tensioned steel core made of high alloy, heat treated laminated steel and reinforced for additional strength.

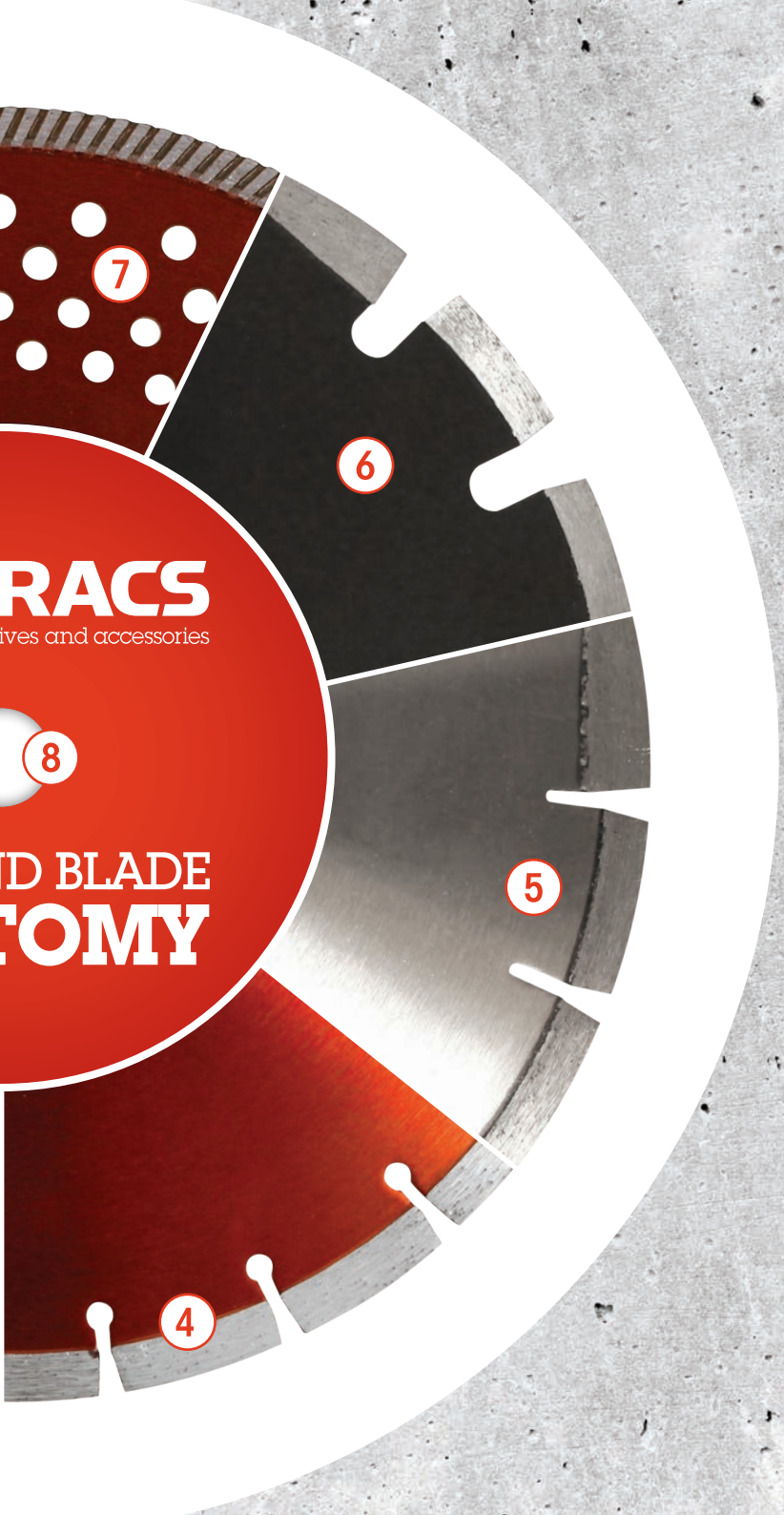
7 COOLING HOLES

Added visibility when cutting, and ensures heat dispersion and swarf removal for maximum yield out.

8 CENTRE BORE

Varying bore sizes are produced for our high performance blades to fit different machine types.

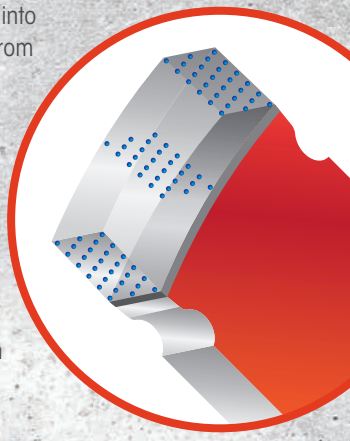




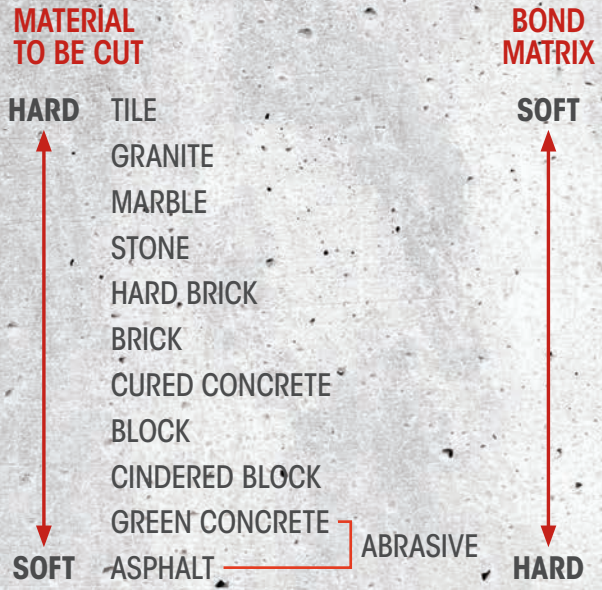
RADIAL DIAMOND TECHNOLOGY

Brand new technology incorporated into a unique range of diamond blades from Abracs. We utilize a unique radial profile for broader surface area on the cutting edge of the blade for more diamond exposure, and for a longer lifespan of the product.

Our diamond blade placement is not limited to only the outer edges or corners of the blade as this would lead to faster degradation of the diamonds and essentially, a shorter life span of the blade.



ADVANCED SEGMENT COMPOSITION



QUALITY SYSTEM

EXPERT ★★★★★

EXPERT-line products offer expert users the best quality blade with maximum product benefits, reliability and an optimum price-performance ratio.

PRO ★★★★☆

PRO-line products have been designed for high quality demands and frequent use in industry and trades. They offer a great price-performance ratio and a high efficiency.

TRADE ★★★☆☆

TRADE-line products are reliable diamond tools with an attractive price-performance ratio for the price-conscious expert.

MARKING SYSTEM

Abracs Diamond Blade range is suitable for all construction materials applications, in sizes from 115mm to 500mm for use with all applicable machine types.

All Abracs Diamond Blades conform to the highest European safety standard, EN 13236, which ensures that all products are manufactured and tested to the highest quality.

1. Performance level
2. Product category
3. Material suitability
4. Max working speed
5. Abracs part number
6. Diameter and bore hole size
7. European standards
8. Wet or dry cutting
9. Machine pictograms
10. Directional Arrow
11. Safety pictograms
12. Blade characteristics
13. Unique selling points
14. Application table

DIAMOND BLADE TERMINOLOGY

COOLING HOLES

Added visibility when cutting, and ensures heat dispersion and swarf removal for maximum yield out.

CONTINUOUS TURBO RIM

The castellation of the blade traps air in motion guaranteeing less chipping and faster cuts.

ANGLED TURBO SEGMENT

The angled turbo segment easily removes debris and helps cool the blade more efficiently.

ABRACS UNIQUE TECHNOLOGY AND SAFETY STANDARDS INCORPORATED INTO YOUR PRODUCT.

SAFETY GUARANTEE

Manufactured to European safety standards.

LONG LASTING

Manufactured to the highest standards for maximum durability.

COOLING HOLES

Increased performance and visibility.

ANGLED SEGMENT

More usable segment for increased blade life-span.

ENGINEERED CORE

Less flex, increased rigidity.

LASER WELDED

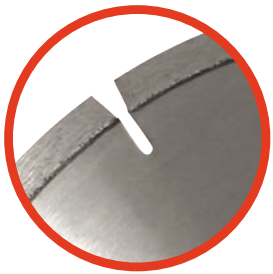
Laser welded segments ensure maximum strength performance and reliability.

UNDERCUT TECHNOLOGY

Removes material from the cutting area to protect core.

KEYHOLE GULLETS

Ensures less chipping of the material being cut and reduces vibration levels.



NARROW GULLET

Similar to keyhole gullets, narrow gullets ensures less chipping of the material being cut and reduces vibration levels.

UNDERCUT TECHNOLOGY

Specific segment design "undercut technology" increases water flow and protects the segments from increased wear.

DIAMOND BLADE UNIQUE SELLING POINTS FOR EASE OF SELECTION.

10MM DIAMOND SEGMENT

A robust 10MM segment height can give an increased life of up to 43% over 7mm segments.

10MM TURBO SEGMENT

Turbo Segments extend the life of a blade by removing slurry quickly and with less surface area cuts are fast and clean.

10MM TURBO SEGMENT CONTINUOUS RIM

Continuous rim blades cut clean and smooth and eliminate the chance of segment loss.

FEROCIOUS SPEED

Guaranteed to offer a fast and effective cut that meets and surpasses safety and vibration standards.

EXTENDED PERFORMANCE

Blade offers good service life and safety for the price conscious buyer.

MAXIMUM PERFORMANCE

Blade is suitable for high quality demands and frequent use in industrial settings.

ULTIMATE PERFORMANCE

Blades offer the best performance, lifetime and lowest vibration in product class.

PREMIUM DIAMOND QUALITY

Blade uses the best synthetic diamond composition for speed, versatility, strength and endurance.

PRODUCT RANGE

GENERAL CONSTRUCTION MATERIALS

These blades are designed to provide aggressive, fast, and tough cutting of a large variety of advanced and composite general construction materials.

DUAL CONSTRUCTION MATERIALS

This range has been designed specifically to accommodate the benefits of having one blade for two material types (General Construction and Abrasive Construction).

HARD CONSTRUCTION MATERIALS

Our hard materials range is manufactured using a soft bond which is crucial to effectively cut hard materials such as granite.

3 EASY STEPS TO CHOOSING THE RIGHT PRODUCT

STEP 1

Choose a material you wish to cut

STEP 2

Select quality level of the blade

STEP 3

Select the blade size or the operational machine

ABRASIVE CONSTRUCTION MATERIALS

The Abrasive Construction Materials range is designed specifically for asphalt, green concrete and other abrasive materials.

UNIVERSAL CONSTRUCTION MATERIALS

The ideal blade for cutting a wide variety of different materials, no need to change this blade for new applications. The all in one.

APPLICATION CHART

APPLICATION	GENERAL CONSTRUCTION MATERIALS	DUAL CONSTRUCTION MATERIALS	HARD CONSTRUCTION MATERIALS	ABRASIVE CONSTRUCTION MATERIALS	UNIVERSAL CONSTRUCTION MATERIALS
Granite			✓✓		✓
Very Hard Engineering Brick			✓✓		✓
Hard Concrete over 50Kn			✓✓		✓
Clay Paviors			✓✓		✓
Hard Clay Pipes			✓✓		✓
Vitrified Clay Products	✓	✓	✓✓		✓
Hard Facing Bricks	✓	✓	✓✓		✓
Steel	✓	✓			✓
Abrasive Granite	✓	✓	✓✓		✓
Roof Tiles	✓✓	✓✓	✓✓		✓✓
Medium Facing Bricks	✓✓	✓✓	✓✓		✓✓
Reinforced Concrete	✓✓	✓✓	✓✓		✓✓
Concrete Kerbs	✓✓	✓✓	✓✓		✓✓
Concrete Slabs	✓✓	✓✓	✓✓		✓✓
Concrete Lintels	✓✓	✓✓	✓✓		✓✓
Concrete Paviors	✓✓	✓✓	✓		✓✓
Soft Facing Bricks	✓✓	✓✓	✓		✓✓
Concrete Blocks over 15Kn	✓✓	✓✓	✓		✓✓
Soft Slate	✓✓	✓✓			✓✓
Concrete Roof Tiles	✓✓	✓✓			✓✓
Sandstone, Hard	✓✓	✓✓			✓✓
Sandstone, Medium	✓✓	✓✓		✓	✓✓
Sandstone, Coarse	✓✓	✓✓		✓✓	✓✓
Concrete Blocks under 15Kn	✓	✓✓		✓✓	✓✓
Breeze Blocks	✓	✓✓		✓✓	✓✓
Abrasive Blocks		✓✓		✓✓	✓✓
Green Concrete		✓✓		✓✓	✓✓
Asphalt over Concrete		✓✓		✓✓	✓✓
Asphalt		✓✓		✓✓	✓✓
Refractory Materials		✓✓		✓✓	✓✓
Plastic Pipe					✓

BUILT TO
PERFORM

GENERAL CONSTRUCTION MATERIALS

EXPERT ★★★★★

Premium quality general purpose blade suitable for cutting virtually all construction materials including steel and reinforced concrete. This product offers one of the best costs per cut ratios in the industry.

MAXIMUM PRODUCT LIFE | SAFETY STANDARD EN 13236 | STRENGTHENED CORE | COOLING TECHNOLOGY

10MM TURBO SEGMENT CONTINUOUS RIM | ULTIMATE PERFORMANCE | FEROCIOUS SPEED | PREMIUM DIAMOND QUALITY

FOR USE ON: CONCRETE AND STEEL | BRICKS | NATURAL STONE | TILES

FEATURES

- Superior quality multi-purpose diamond blade designed for ultimate performance and long life
- Continuous segment eliminates chance of segment loss
- 10mm Turbo segment increases stock removal and maximises cutting performance
- Cooling hole technology reduces cutting temperature and increases user visibility for enhanced safety
- Superior quality diamonds with a strengthened, pre-stressed metal body
- Clear and concise consumer focussed packaging designed to aid product selection and maximise sales

Colour Reference - RED

Specification	Max RPM	Machine	Segment Height	Product Code	List Price (Per 1)
115mm x 10mm x 22mm	13,300		10mm	ABDI115M	€32.52
125mm x 10mm x 22mm	12,200		10mm	ABDI125M	€38.06
230mm x 10mm x 22mm	6,600		10mm	ABDI230M	€70.50
300mm x 10mm x 20mm	5,100		10mm	ABDI30020M	€121.70
350mm x 10mm x 20mm	5,100		10mm	ABDI35020M	€296.33
350mm x 10mm x 25.4mm	4,400		10mm	ABDI35025M	€296.33

GENERAL CONSTRUCTION MATERIALS

PRO ★★★★☆

The Pro's choice for fast clean cuts across a broad spectrum of general construction materials. The turbo segment makes this blade one of the fastest cutting general purpose blades on the market.

MAXIMUM PRODUCT LIFE | SAFETY STANDARD EN 13236 | STRENGTHENED CORE | ANGLED SEGMENT

10MM TURBO SEGMENT | MAXIMUM PERFORMANCE | FEROCIOUS SPEED | PREMIUM DIAMOND QUALITY

FOR USE ON: CONCRETE WITH STEEL | BRICKS | NATURAL STONE | TILES

FEATURES

- Premium quality general purpose diamond blade designed for maximum performance and long life
- Angled segments and narrow gullets reduce the chance of segment loss
- 10mm Turbo segment increases stock removal and maximises cutting performance
- Premium quality diamonds with a strengthened, pre-stressed metal body
- Clear and concise consumer focussed packaging designed to aid product selection and maximise sales

Colour Reference - RED

Specification	Max RPM	Machine	Segment Height	Product Code	List Price (Per 1)
115mm x 10mm x 22mm	13,300		10mm	ABDT115M	€30.59
125mm x 10mm x 22mm	12,200		10mm	ABDT125M	€45.17
230mm x 10mm x 22mm	6,600		10mm	ABDT230M	€68.23
300mm x 10mm x 20mm	5,100		10mm	ABDT30020M	€105.87
350mm x 10mm x 20mm	5,100		10mm	ABDT35020M	€277.67
350mm x 10mm x 25.4mm	4,400		10mm	ABDT35025M	€277.67
400mm x 10mm x 20mm	4,000		10mm	ABDT40020M	€303.75

GENERAL CONSTRUCTION MATERIALS

TRADE ★★★☆☆

Trade quality general purpose blade suitable for a variety of building materials including concrete kerbs, tiles and bricks. This entry level professional combination blade has been designed to offer excellent value for money with a good cost per cut ratio.

MAXIMUM PRODUCT LIFE

SAFETY STANDARD EN 13236

STRENGTHENED CORE

10MM DIAMOND SEGMENT | EXTENDED PERFORMANCE | FEROCIOUS SPEED | PREMIUM DIAMOND QUALITY

FOR USE ON: CONCRETE | BRICKS | NATURAL STONE | TILES

FEATURES

- Trade quality general purpose diamond blade designed for use by trade professionals
- 10mm segment for increased lifespan
- Key hole gullets to aid stock removal and clear debris from the cutting surface
- Great value for money with an excellent cost per cut ratio
- Clear and concise consumer focussed packaging designed to aid product selection and maximise sales

Colour Reference - RED

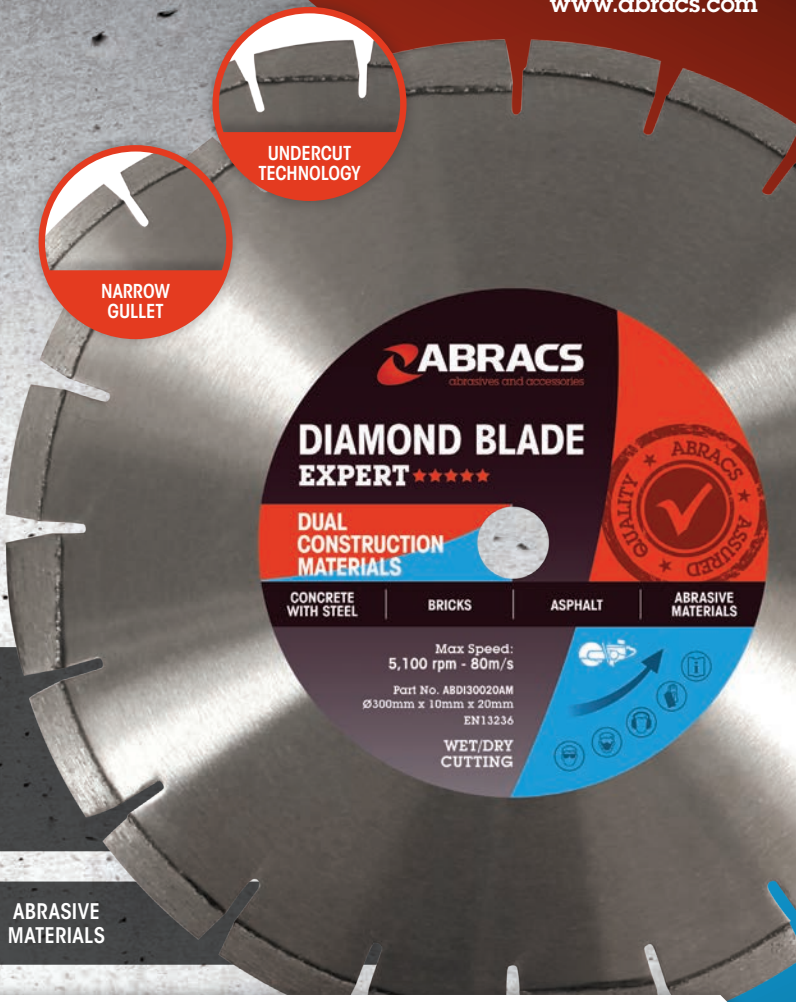
Specification	Max RPM	Machine	Segment Height	Product Code	List Price (Per 1)
115mm x 10mm x 22mm	13,300		10mm	ABDD115M	€21.95
125mm x 10mm x 22mm	12,200		10mm	ABDD125M	€26.66
230mm x 10mm x 22mm	6,600		10mm	ABDD230M	€36.71
300mm x 10mm x 20mm	5,100		10mm	ABDD30020M	€73.59
350mm x 10mm x 20mm	5,100		10mm	ABDD35020M	€183.53
350mm x 10mm x 25.4mm	4,400		10mm	ABDD35025M	€183.53

TAKE CUTTING RIGHT TO THE
EDGE

DUAL CONSTRUCTION MATERIALS

EXPERT ★★★★★

Superior quality blade for both general purpose and asphalt/abrasive materials. 10mm laser welded diamond segment with undercut protection provides increased cutting life and exceptional performance. The ideal blade for the professional contractor.



MAXIMUM PRODUCT LIFE | SAFETY STANDARD EN 13236 | STRENGTHENED CORE | LASER WELDED | UNDERCUT TECHNOLOGY

10MM DIAMOND SEGMENT | ULTIMATE PERFORMANCE | FEROCIOUS SPEED | PREMIUM DIAMOND QUALITY

FOR USE ON: CONCRETE WITH STEEL | BRICKS | ASPHALT | ABRASIVE MATERIALS

FEATURES

- Superior quality diamond blade designed with the professional contractor in mind
- Suitable for use on all general construction materials and softer materials such as Asphalt and Breeze Block
- No need to change blades meaning less downtime for the operator and higher productivity
- Undercut protection technology protects the segment from abrasion, reducing the risk of segment loss and increasing product life
- Extra narrow gullets to reduce clogging
- Clear and concise consumer focussed packaging designed to aid product selection and maximise sales

Colour Reference - RED & BLUE

Specification	Max RPM	Machine	Segment Height	Product Code	List Price (Per 1)
230mm x 10mm x 22mm	6,600		10mm	ABDI230AM	€87.75
300mm x 10mm x 20mm	5,100		10mm	ABDI30020AM	€149.57
350mm x 10mm x 20mm	5,100		10mm	ABDI35020AM	€303.75
350mm x 10mm x 25.4mm	4,400		10mm	ABDI35025AM	€303.75
400mm x 10mm x 20mm	4,000		10mm	ABDI40020AM	€337.43

MAKING LIGHT WORK
OF HARD MATERIALS

HARD CONSTRUCTION MATERIALS

PRO ★★★★☆

The hard construction materials blade has been expertly developed with a soft bond so it can effectively cut through very hard materials such as granite with relative ease. The blade can also easily tackle hard concrete over 50kn.

MAXIMUM PRODUCT LIFE | SAFETY STANDARD EN 13236 | STRENGTHENED CORE | ANGLED SEGMENT

10MM TURBO SEGMENT | MAXIMUM PERFORMANCE | FEROCIOUS SPEED | PREMIUM DIAMOND QUALITY

FOR USE ON: HARD CONCRETE | BRICKS | GRANITE | CLAY

FEATURES

- Premium quality diamond blade designed for maximum performance and long life on hard materials such as granite, clay and hard concrete
- Angled segments and narrow gullets reduce the chance of segment loss
- 10mm Turbo segment increases stock removal and maximises cutting performance
- Premium quality diamonds with a strengthened, pre-stressed metal body
- Clear and concise consumer focussed packaging designed to aid product selection and maximise sales

Colour Reference - GREEN

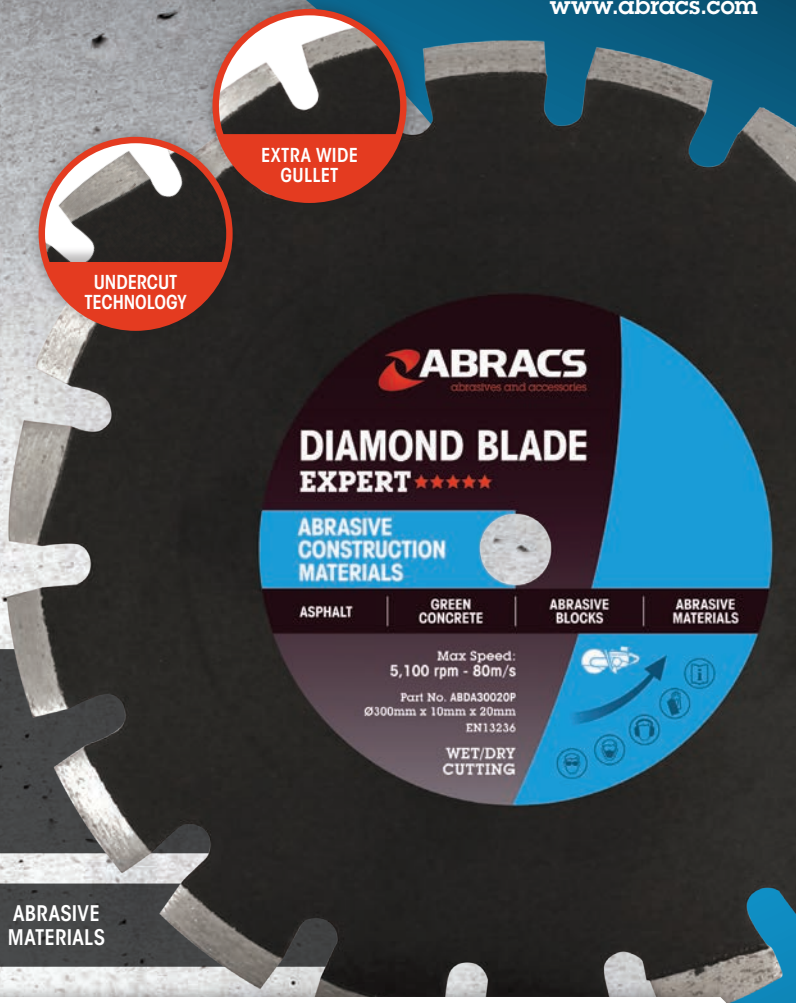
Specification	Max RPM	Machine	Segment Height	Product Code	List Price (Per 1)
115mm x 10mm x 22mm	13,300		10mm	ABDT115H	€35.30
230mm x 10mm x 22mm	6,600		10mm	ABDT230H	€94.04
300mm x 10mm x 20mm	5,100		10mm	ABDT30020H	€117.64
350mm x 10mm x 25.4mm	4,400		10mm	ABDT35025H	€305.87

THE ABRASIVE
SPECIALIST

ABRASIVE CONSTRUCTION MATERIALS

EXPERT ★★★★★

Designed with a thicker core that resists flexing and provides a straighter cut, this versatile blade can slice through asphalt and green concrete, and can also be used on medium to soft materials such as sandstone and breeze blocks.



MAXIMUM PRODUCT LIFE | SAFETY STANDARD EN 13236 | STRENGTHENED CORE | LASER WELDED | UNDERCUT TECHNOLOGY

10MM DIAMOND SEGMENT | ULTIMATE PERFORMANCE | FEROCIOUS SPEED | PREMIUM DIAMOND QUALITY

FOR USE ON ASPHALT | GREEN CONCRETE | ABRASIVE BLOCKS | ABRASIVE MATERIALS

FEATURES

- Superior quality diamond blade specifically designed for use on soft/abrasive materials such as asphalt, green concrete and abrasive blocks
- Undercut protection technology protects the segment from abrasion, reducing the risk of segment loss and increasing product life
- Extra wide gullets aid stock removal and add further protection to the segments during the cutting process
- Laser welded segments ensure maximum strength, performance and reliability
- Clear and concise consumer focussed packaging designed to aid product selection and maximise sales

Colour Reference - BLUE

Specification	Max RPM	Machine	Segment Height	Product Code	List Price (Per 1)
300mm x 10mm x 20mm	5,100		10mm	ABDA30020	€231.93
350mm x 10mm x 20mm	5,100		10mm	ABDA35020	€352.94
350mm x 10mm x 25.4mm	4,400		10mm	ABDA35025	€352.94
400mm x 10mm x 20mm	4,000		10mm	ABDA40020	€296.93

NEW
INNOVATION
THE
ALL
IN
ONE

UNIVERSAL CONSTRUCTION MATERIALS

EXPERT ★★★★★

This laser welded diamond blade is the all rounder across all building materials. It is the ideal tool for the contractor who requires a diamond blade to cut a large variation of applications without the need to change blades each time. The all in one.

MAXIMUM PRODUCT LIFE | SAFETY STANDARD EN 13236 | STRENGTHENED CORE | LASER WELDED | UNDERCUT TECHNOLOGY

10MM DIAMOND SEGMENT | ULTIMATE PERFORMANCE | FEROCIOUS SPEED | PREMIUM DIAMOND QUALITY

FOR USE ON: ALL CONSTRUCTION | GENERAL CONSTRUCTION | HARD CONSTRUCTION | ABRASIVE CONSTRUCTION

FEATURES

- Superior quality diamond blade designed for maximum performance on ALL construction materials
- Undercut protection technology protects the segment from abrasion, reducing the risk of segment loss and increasing product life
- Laser welded segments ensure maximum strength, performance and reliability
- No need to change blades meaning less downtime for the operator and higher productivity
- Clear and concise consumer focussed packaging designed to aid product selection and maximise sales

Colour Reference - YELLOW

Specification	Max RPM	Machine	Segment Height	Product Code	List Price (Per 1)
115mm x 10mm x 22mm	13,300		10mm	ABDH115U	€40.43
230mm x 10mm x 22mm	6,600		10mm	ABDH230U	€94.43
300mm x 10mm x 20mm	5,100		10mm	ABDH30020U	€161.93

CONSTRUCTION BLADE TWIN PACK

NEW INNOVATION

EXPERT ★★★★★

Fantastic value twin pack featuring 2 best selling 300mm blades from the EXPERT-line. The general purpose blade with continuous turbo rim is the ultimate for fast cutting and long life in general construction materials and the dual purpose blade cuts a broad range of medium to hard construction materials.

EVERYTHING YOU NEED!

CONSTRUCTION BLADE TWIN PACK EXPERT ★★★★★

Colour Reference RED	FEATURES See page 15	Colour Reference RED & BLUE	FEATURES See page 19

Specification	Max RPM	Machine	Segment Height	Product Code	List Price (Per Pack)
300mm x 10mm x 20mm General Construction	5,100		10mm	ABDI300TWIN	€263.25
300mm x 10mm x 20mm Dual Construction	5,100		10mm		

XL DIAMOND BLADES

Our XL Diamond Blades are designed for use on all varieties of floor saw machines. We have an XL blade available for every application.

DUAL-CONSTRUCTION MATERIALS EXPERT★★★★★

Dual purpose blade with 10mm segment. Featuring 'undercut technology' undercut protection.

Specification	Max RPM	Machine	Segment Height	Product Code	List Price (Per 1)
457mm x 10mm x 25.4mm	3,400		10mm	ABDI45025AM	€375.30

FOR USE ON
- CONCRETE WITH STEEL
- BRICKS
- ASPHALT
- ABRASIVE MATERIALS

GENERAL CONSTRUCTION MATERIALS PRO★★★★☆

Extremely high quality blade with 10mm turbo segment. Used by professionals.

Specification	Max RPM	Machine	Segment Height	Product Code	List Price (Per 1)
457mm x 10mm x 25.4mm	3,400		10mm	ABDT45025M	€331.90
500mm x 10mm x 25.4mm	3,400		10mm	ABDT50025M	€371.25

FOR USE ON
- CONCRETE WITH STEEL
- BRICKS
- ASPHALT
- ABRASIVE MATERIALS

ABRASIVE CONSTRUCTION MATERIALS EXPERT★★★★★

High quality blade with 10mm segment. Featuring undercut protection.

Specification	Max RPM	Machine	Segment Height	Product Code	List Price (Per 1)
457mm x 10mm x 25.4mm	3,400		10mm	ABDA45025	€335.73

FOR USE ON
- ASPHALT
- GREEN CONCRETE
- ABRASIVE BLOCKS
- ABRASIVE MATERIALS

SPECIALIST DIAMOND PRODUCTS

CUP GRINDER WHEEL EXPERT★★★★★

Abracs Diamond Cup Grinder Wheels are suitable for use on all general construction materials and are designed for heavy/aggressive stock removal. 16mm bore reducing ring included.

Specification	Max RPM	Machine	Segment Height	Product Code	List Price (Per 1)
115mm x 20mm x 22.23mm	13,300		7mm	ABDCG115	€94.50

FOR USE ON
- CONCRETE
- NATURAL STONE
- GRANITE
- MEDIUM/HARD STONE

TILE CUTTING BLADES EXPERT★★★★★

Designed for a range of tile and ceramic cutting applications. The continuous rim blade offers a combination of long life, clean cutting and excellent value.

Specification	Max RPM	Machine	Segment Height	Product Code	List Price (Per 1)
115mm x 1.7mm x 22mm	13,300		5.4mm	ABDCR115	€15.78
180mm x 2.2mm x 25.4/22mm	8,600		5.4mm	ABDCR180	€32.51
230mm x 2.2mm x 25.4/22mm	6,600		5.4mm	ABDCR230	€45.13

FOR USE ON
- TILES
- CERAMIC
- MARBLE
- SLATE

MORTAR / BRICK RAKING BLADE EXPERT★★★★★

The high diamond concentration in our range of Mortar/Brick Raking blades offer an unbeatable combination of rapid stock removal and long life.

Specification	Max RPM	Machine	Segment Height	Product Code	List Price (Per 1)
115mm x 6.5mm x 22mm	13,300		7mm	ABDBTPH115	€33.18
125mm x 6.5mm x 22mm	12,200		7mm	ABDBTPH125	€43.97

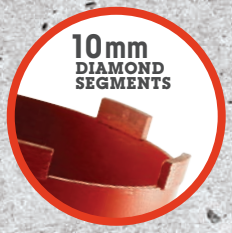
FOR USE ON
- BRICKS
- MORTAR
- BLOCKS
- MASONRY

DRY DIAMOND CORE BITS

EXPERT ★★★★★

Manufactured using tool grade steel and premium quality diamond grain. 150mm length with a 10mm diamond segment set into the metal core. Excellent working life, speed and performance.

EFFICIENT DEBRIS REMOVAL, ACCURACY OF CUT AND INCREDIBLE VERSATILITY.



FOR USE ON | ALL CONSTRUCTION | GENERAL CONSTRUCTION | HARD CONSTRUCTION | ABRASIVE CONSTRUCTION

FEATURES

- Superior quality dry diamond cores designed for a wide variety of industrial applications by the professional user
- 10mm diamond segment for enhanced product life
- Segments set firmly into the metal barrel to ensure maximum durability, strength and safety
- Wide slots in the side of the barrel for easy and efficient removal of debris
- Comprehensive range of sizes to suit all requirements
- Suitable for use on virtually all construction materials including lightly reinforced concrete

Specification	Machine	Segment Height	Product Code	List Price (Per 1)
28mm x 300mm		10mm	ABDC028	€51.58
38mm x 150mm		10mm	ABDC038	€54.07
42mm x 150mm		10mm	ABDC042	€55.23
52mm x 150mm		10mm	ABDC052	€61.88
65mm x 150mm		10mm	ABDC065	€64.84
78mm x 150mm		10mm	ABDC078	€72.18
102mm x 150mm		10mm	ABDC102	€98.05
107mm x 150mm		10mm	ABDC107	€101.24
117mm x 150mm		10mm	ABDC117	€103.26
127mm x 150mm		10mm	ABDC127	€109.13
152mm x 150mm		10mm	ABDC152	€123.40
162mm x 150mm		10mm	ABDC162	€160.73

DRY DIAMOND CORE COMPLETE EXPERT ★★★★★

CORE COMPLETE

The NEW dry Diamond Core Complete with large slot geometry for efficient debris removal comes ready to use with accessories to ensure the whole drilling operation is as clean, accurate and easy as possible.

1. Drift Key
2. Hex Adaptor
3. Pilot Drill
4. Large Debris Removal Slots
5. 150mm Throat
6. Higher Grade Diamond
7. Improved Segment Bond

NEW INNOVATION

READY TO USE!

WITH YOUR CHOICE OF HEX OR SDS ADAPTER INCLUDED!

ALL CONSTRUCTION | GENERAL CONSTRUCTION | HARD CONSTRUCTION | ABRASIVE CONSTRUCTION — FOR USE ON

FEATURES

- Superior quality dry diamond cores designed for a wide variety of industrial applications by the professional user
- Ready to use! Each core comes complete with hex adaptor and pilot drill pre-fitted to the core plus a drift key. Easy and convenient for the operator to fit and use
- Segments set firmly into the metal barrel to ensure maximum durability, strength and safety
- Wide slots in the side of the barrel for easy and efficient removal of debris
- Comprehensive range of sizes to suit all requirements
- Suitable for use on virtually all construction materials including lightly reinforced concrete

Specification	Machine	Product Code	List Price (Per 1)
42mm x 150mm + 3 accessories		ABDCC042	€57.98
52mm x 150mm + 3 accessories		ABDCC052	€64.73
65mm x 150mm + 3 accessories		ABDCC065	€67.43
107mm x 150mm + 3 accessories		ABDCC107	€103.88
117mm x 150mm + 3 accessories		ABDCC117	€121.43
127mm x 150mm + 3 accessories		ABDCC127	€111.98
152mm x 150mm + 3 accessories		ABDCC152	€128.18

DRY DIAMOND CORE KIT

EXPERT ★★★★★

Abracs diamond cores are engineered for all professionals who demand only the best in performance when working in tough environments. Kit contains the 5 most popular sizes plus a full range of accessories and is supplied in a sturdy and secure aluminium trolley case.

Dry Diamond Core Drills are perfect for drilling holes designed for:

- Waste Pipes
- Water Feed Pipes
- Cable Entry / Exit
- Flue Passage
- Extractor Fans
- Exhausts
- Dust Extractor Ducting

FOR USE ON | ALL CONSTRUCTION | GENERAL CONSTRUCTION | HARD CONSTRUCTION | ABRASIVE CONSTRUCTION

Specification	Machine	Product Code	List Price (Per 1)
5 Dry Diamond Cores - Sizes 42mm, 52mm, 65mm, 117mm, 127mm **Accessories** - Chuck Adaptor, SDS Adaptor, Universal Extension, Guide Rod, Drift Key, Masonry Bit, Aluminium Trolley Case		ABDCORESET5	**€263.25**

PREMIUM DIAMOND CORES
MAXIMUM ACCURACY OF CUT

DEALER SUPPORT

As one of the most trusted and recognised brands in the industry we are dedicated to providing our distributors with solutions to sell. When you need support, you'll never have to ask twice. We pride ourselves on our product quality, unbeatable customer service and comprehensive marketing packages.

HOW WE CAN **HELP YOU SELL**

- UK Stockholding
- Next Day Delivery
- Major Promotional Calender
- National Advertising
- Merchandising
- Point Of Sale Displays
- Trade Show Support
- Sales Aids
- Bespoke Marketing
- Leads and Referrals

NEXT DAY DELIVERY

We offer next day delivery as standard. All stock is kept at our distribution head office in York.

HEALTHY PROFIT MARGINS

We've built up a network of loyal distributors who have enjoyed consistent financial returns.

EXPERT KNOWLEDGE

Should you need any face-to-face advice or technical support we can have an expert advisor at your premises or on site usually within 24 hours.

MARKET LEADING PRODUCTS

Access a comprehensive selection of professional grade abrasive products ready for industrial level tolerances.

ABRACS
abrasives and accessories

BRAND STRENGTH

Continuously evolving marketing with an active promotions calendar to stay ahead of the competition.

MERCHANDISE

Fantastic artwork, display stands and promotional merchandise available exclusively to Abracs distributors.

PERSONAL ACCOUNT TEAM

Your dedicated account management team will work closely with your organisation at stock delivery and sales support level to ensure that you are receiving an excellent level of service.

OUR DISTRIBUTOR SUPPORT PACKAGE

All you need to grow your business. Quality assured products, comprehensive support, unrivalled choice.

SALES SUPPORT

MORE PROFIT AT THE POINT OF SALE

Exclusive merchandising solutions enable professional presentation of our high value quality diamond tools across small and large sales spaces. Distinctive packaging makes the journey to purchase much clearer and easier for customers to find the right product.

Diamond Blade Launch Pack

Diamond Blade Catalogue

Sales Aids

Application Chart Poster

Core Drill Lectern

Lockable Cabinet
Height: 1780mm
Width: 660mm

BUILT-IN STORAGE!

Wall System
Height: 2350mm
Width: 940mm

SAFETY

Abracs Diamond Blades meet all the requirements of national and international standards and guidelines. Our quality management system is certified according to EN ISO 9001 and thus guarantees compliance with all regulations. Abracs diamond blades are suitable for wet and dry cutting, however we advise that all materials are cut wet in-line with health and safety regulations.

THE SAFE USE OF DIAMOND CUTTING BLADES

It is very important to always comply with all safety and accident prevention regulations when using diamond cutting blades.

All Abracs blades are marked with the appropriate safety information pictograms.

Always observe ALL safety instructions

Always wear ear protection

Always wear a dust mask

Always wear safety goggles or glasses

Always wear safety gloves

⚠ BEFORE USING YOUR MACHINE ALWAYS CHECK:

- The machine is in good, safe condition & complies with all safety requirements
- All guards are undamaged & in place
- The flanges are of equal size & free from burrs

⚠ ALWAYS CHECK THAT THE BLADE:

- Is free from cracks & damage
- Is the correct blade for the application
- Has the correct bore size
- Has the correct peripheral speed for the machine it is to be used on
- Is mounted correctly with the directional arrow pointing the right way

⚠ ALWAYS ENSURE THAT THE WORK AREA:

- Is clean & free from obstructions & the material to be cut is secure
- Has barriers or warning signs in places

⚠ WHEN CUTTING ALWAYS:

- Start & run the machine to check for smooth running
- Place the blade into the material, the weight of the machine is adequate pressure
- Cut with a slow sawing or reciprocating motion, do not turn or twist the blade in the cut
- Use several passes to cut to the required depth, do not drop the blade to its full depth in one go
- Periodically remove the blade from the cut & continue to rotate & "air cool" for several seconds if dry cutting
- If wet cutting, ensure optimum water supply

FAQs & TROUBLESHOOTING

Abracs has prepared this guide to help you find, identify and resolve the problems which you may encounter with diamond saw blades.

CORE CRACKS

- Blade is too hard for the material being cut
- High-level infeed causes extreme pressure and metal fatigue
- Excessive speed of rotation

OVALISED BORE HOLE

- Blade shaft bearing may possibly be worn. Fit new bearing and ensure regular lubrication
- Blade too hard for the material being cut, this will result in the blade hammering and wearing out of round. Choose a blade with a softer bond system
- Machine spindle may have groove scored in it as result of previous blade slipping on spindle

CRACKED SEGMENT

- Blade is too hard for the material being cut
- Cutting speed is too fast

UNEVEN SEGMENT WEAR

- Poor blade alignment and/or inadequate cooling
- Poor bearings, a worn spindle, dirty or damaged flanges or even excessive baulking

OVERHEATING

Most common cause of blade failure:

- Low quality and poor distribution of cooling water
- Poor blade selection for the material being cut
- Excessive cutting speed

UNDERCUTTING

Premature wear of the steel core:

- Offset segments can assist removal of the slurry from the cut
- Make sure that the blade is not cutting below the asphalt into the sub base.
- Make sure that the water supply is sufficient

TENSION LOSS

- Blade core overheated. For wet cut blades ensure sufficient water supply
- Check machine is running at correct rpm
- The blade can deviate if it is too hard for the application
- Ensure that the blade is not spinning on the spindle and that it is secure
- Ensure that the blade is cutting in straight lines only

BLADE NOT CUTTING

- The blade is too hard for the material being cut
- Output power is too low to allow the blade to cut
- The blade has become too smooth due to excessive speed of cutting
- Check direction of rotation

EXCESSIVE WEAR

- Incorrect blade usage e.g. a tile-cutting blade used on a concrete block
- Insufficient blade cooling
- Ovalised bore hole
- Cutting speed is too fast
- Spindle is rotating too slowly

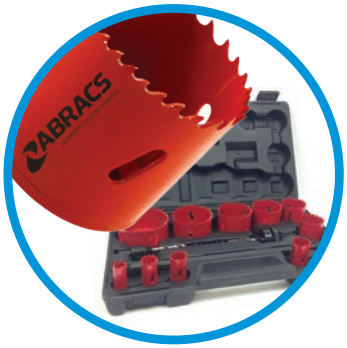
MORE THAN DIAMOND TOOLS

CUTTING & GRINDING DISCS

Cutting, grinding and extra thin discs are available. Discs available for use on virtually on all materials and applications.

FLAP DISCS

Manufactured using premium quality materials and sturdy fibre backing for extreme versatility.



HOLE SAWS

Ideal for the professional tradesmen, Abracs Hole Saws are available as a 10pc or 15pc kits.

HYBRID DISCS

Hugely popular and versatile discs that can cut and grind many materials.

JIGSAW BLADES

Covering a broad spectrum of material applications for wood, metal and aluminium.

HUGE RANGE

Abracs offer one of the widest ranges of abrasives, accessories and allied products in the market. Whatever your requirement, our broad range of products means we are a one-stop-shop.

WIRE BRUSHES

Abracs supplies more than 20 different types of wire brushes to cover almost every application.

COATED ABRASIVES

Comprehensive range of Coated Abrasives, from Emery Rolls & Sheets, Sanding Belts and more.

SPINDLE MOUNTED WHEELS

An extensive range of sizes and types available in aluminium oxide, non-woven and an interleaved version.

POLY PRODUCTS & FIBRE DISCS

Abracs stock a range of poly products designed for the removal of rust, paint and thermal blueing.

QUICK-LOCK PRODUCTS

Can be used for cleaning, deburring, stripping, finishing and polishing metal.

ACCESSORIES & MULTI-PACKS

Our Accessories and Multi-Packs include many of our most popular products inside handy display packaging.

ALL PRODUCTS IN STOCK N

CONTACT THE ABRACS TEAM FOR UNRIV

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ABRACS

abrasives and accessories