

CATALOG



DIAMOND SPEED
PRODUCTS, INC.

Diamond & Abrasive Cutting Tools



Diamond & Abrasive Tools Facts

Ordering our products:

To help us get you the proper blade, please have the following information ready when ordering:

- Blade Size
- Arbor size and mention if you need a pinhole in core
- Material to be cut
- Hardness of material
- Type of machine product will be used on
- Wet or dry cutting
- RPM of saw
- Horsepower of saw

Safety and working instructions for diamond and abrasive cutting tools

- Make sure saw is clean and free from any damage before mounting the blade.
- Make sure the arbor of the blade fits snug on the shaft of the saw.
- Make sure the blade is spinning in the correct direction.
- Make sure blade is tightened correctly.
- Do not exceed appropriate RPM for the blade.
- Do not use the sides of the blade for grinding
- Always cut in straight lines.
- Do not cut for long periods of time continuously with dry blades.
- Allow the blade to do the cutting. Do not force it.
- Use the correct diamond blade on the proper saw for the material to be cut.
- Always wear proper safety equipment such as safety glasses, protective clothing, hearing, safety footwear, and respiratory equipment.

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SEGMENTED

The Power Blade Series

All Power Blades are laser welded for dry cutting. This provides the operator with greater safety due to the stability and adhesion of the segment to the core. Power Blades are ideal for hand held saws, table saws, and low horsepower walk behind saws (3-20 hp). Blades can be run with or without water.

Applications: Cured Concrete, Brick and Block (General Purpose)

Available sizes: 4", 4.5", 5", 6", 7", 8", 9", 10", 12", 14", 16", 18", 20"



CROWN SEGMENTED

The King Diamond Series

King Diamond Blades are laser welded and cut extra fast because of their special bond and crown segment. They can be used on walk behind saws, hand held saws, and table saws. You can run them wet or dry.

Applications: Cured Concrete, Pavers, Natural Stone, Bluestone and Common Brick (General Purpose)

Available sizes: 12", 14", 16"

The Tsunami Series

The Tsunami blades cut extra fast because of their special bond and crown segment. They can be used on walk behind saws, hand held saws, and table saws. You can run them wet or dry.

Applications: Cured Concrete, Pavers, Natural Stone, Bluestone and Common Brick (General Purpose)

Available sizes: 12", 14"



GENERAL PURPOSE

The Speed G Blade Series

The Speed G is designed to maximize life in a wide range of applications. With its heavy core and the addition of cooling holes, the Speed G will run cool and cut fast without wobbling. It also has drop segments to protect the core in abrasive materials making it effective while cutting a wide range of materials from ductile iron pipe to asphalt.

Applications: Ductile Iron, Granite, Brick Pavers, Cured Concrete, Bluestone, Common Brick, Limestone, Roof Tile, Block, Abrasive Block, Green Concrete, Asphalt.

Available sizes: 12", 14", 16", 18", 20"



SEGMENTED TURBO

The Vigor Blade Series

The Vigor Blade is designed to cut all types of brick. The Blade adapts two classic designs – Segmented & Turbo. The Segments make sure the blade will have long life while the turbo design ensures a fast, smooth cut.

Applications: Pavers, Common Brick, Reinforced Concrete and Natural Stone.

Available sizes: 4", 4.5", 5", 6", 7", 8", 9", 10", 12", 14", 16", 18", 20"



TURBO

The Zoom Blade Series (Wide Teeth)

Zoom Blades are designed for speed while cutting through some extremely dense materials.

Applications: Brick, Concrete, Tile, Granite and Marble, as well as other Natural Stones.

Available sizes: 4", 4.5", 5", 6", 7", 8", 9", 10", 12", 14"



The Zoom Blade Series (Narrow Teeth)

Zoom Blades are designed for speed while cutting through some extremely dense materials.

Applications: Natural Stone, Pre-stressed Concrete, Tile, Granite and Marble.

Available sizes: 4", 4.5", 5", 6", 7", 8", 9", 10", 12", 14"



HARD MATERIALS

The Spike Blade Series

The Spike Blade is a very aggressive blade for hard materials. Spike blades have a U-Gullet between each segment to ensure the blade stays cool while cutting extremely fast.

Applications: Clay Pavers, Paver Brick, and other Dense Materials.

Available sizes: 10", 12", 14", 16", 18", 20"



The Fly Blade Series

The Fly Blade is similar to our Spike Blade with the segments being closer together. With its O-Slot key hole design and soft bond, the Fly blade will stay cool while cutting quickly through hard material.

Applications: High PSI Paver Brick, and other Dense Materials such as Bluestone, Flagstone, and Refractory Brick.

Available sizes: 4", 4.5", 5", 6", 7", 8", 9", 10", 12", 14", 16", 18", 20"



TUCKPOINTING

The Rev Blade Series

Our Rev blades have high segment heights and stay open while grinding through even the hardest mortar.

Applications: Tuck pointing and some concrete applications.

Available sizes: 4", 4.5", 5", and 7"

Available thicknesses: .250, .375



SANDWICH TUCK

The X2 & X3 Blade Series

The X2 & X3 Blade is the newest innovation to the Tuck pointing industry. By fusing 2 blades (X2) or 3 blades (X3), less grinding surface results in greater production. The X2 is made for 1/4" or .250 grinding applications, while the X3 is made for 3/8" or .375 grinding applications.

Applications: Tuck pointing.

Available sizes: 4", 4.5", 5", 7"

Available thicknesses: .250, .375



ASPHALT/GREEN CONCRETE

The Surge Blade Series

Surge Blades are bonded to last while cutting abrasive materials. The core has numerous wedge segments that protect the blade from undercutting while giving maximum life when cutting very loose & abrasive materials.

Application: Asphalt, Green Concrete and Lightweight Block.

Available sizes: 4", 4.5", 5", 6", 7", 8", 9", 10", 12", 14", 16", 18", 20"



Left: Closeup of a wedge segment, which can be found on all of our Asphalt blades.

GREEN CONCRETE

The Fast Cut Blade Series

To maximize performance and life Fast Cut blades are available in four different bonds based on the aggregate in your area.

Applications: Asphalt, Green Concrete and Lightweight Block.

Available sizes: 5", 5.5", 6", 8", 10"
12", 13.5", 14"



Our early entry blades are bonded appropriately for any aggregate, and are designed to work with any machine that requires a triangular arbor.

Skid plate covers are provided with every blade that is ordered. Place a new skid plate cover over your skid plate once you need to replace a blade. This will allow you to use the same skid plate over the course of several blades.



CUPWHEELS

The Cup Series

The Cup series consists of many different styles cup wheels. Some are more aggressive than others at removing stock. Our cup wheels come with either a 5/8-11 thread screw or 5/8-7/8" arbor.

Applications: Cured Concrete, Epoxy & Floor Coatings, Granite, Marble and Other Natural Stones.

Available sizes: 4", 4.5", 5, and 7". Please indicate whether you need a 5/8-11 Thread (Threaded) or 5/8-7/8 (Non-Threaded) arbor.

Cupwheel styles (from left to right): Single Row, Double Row, Turbo
2nd Row: Full Face Fine Grit, Full Face Coarse Grit; 3rd Row: T-Seg, Arrow, PCD 6 Segment
Page 11: Spider Cup, Turbo 3 Segment (also available in 6 segments), L-SEG Cupwheel.





The Floor Grinding Head Series

Applications: Cured Concrete, Epoxy & Floor Coatings

Available sizes: 10" w/either 10 or 20 segments.



CRACK CHASER

The V-Blade Series

The V-Blade is the same type of blade as the Rev Blade except it has a V-shaped Segment to prepare cracks for repair. It is also known as a Crack Chaser.

Applications: Cured Concrete, Brick and Block (General Purpose).

Available sizes: 4, 4.5, 5, 7, 8"

Available thicknesses: 1/4 (.250) or 3/8 (.375)



Above: 3/8 thick V Blade
Right: Turbo style V Blade

METAL CUTTING

The Multi Blade Series

Our Multi-Blade is designed to cut a wide range of materials while replacing some of the hassles that come with using abrasives. Its unique diamond segment allows it's operator to cut most of the harder steel applications like rebar or structural steel in addition to cutting PVC pipe and wood without switching out blades. This blade is very convenient and like the Piper Blade for ductile pipe, your time is saved from frequently changing the abrasives once they are too small to cut with. The Multi-Blade will outlast at least 60 common abrasive blades.



Applications: Straight steel, PVC Pipe, Rebar, Wood, Ductile Pipe, Masonry, Concrete
Available sizes: 4", 4.5", 5", 6", 7", 8", 9", 10", 12", 14", 16"



The Abrasive Blade Series

Our abrasive blades are designed to cut a wide range of materials. We provide abrasives for different applications, such as ductal iron, cured concrete, and metal.

Available sizes: 4", 4.5", 7", 12", 14", 16"





The Piper Blade Series

Our Piper Blade is designed for precise and fast cutting of ductile iron pipe. Its unique core gives the operator the advantage of removing burrs from the pipe after a cut. The savings add up considering the fast speed of cut, constant size and life over common abrasives.

Application: Ductile Iron Pipe.

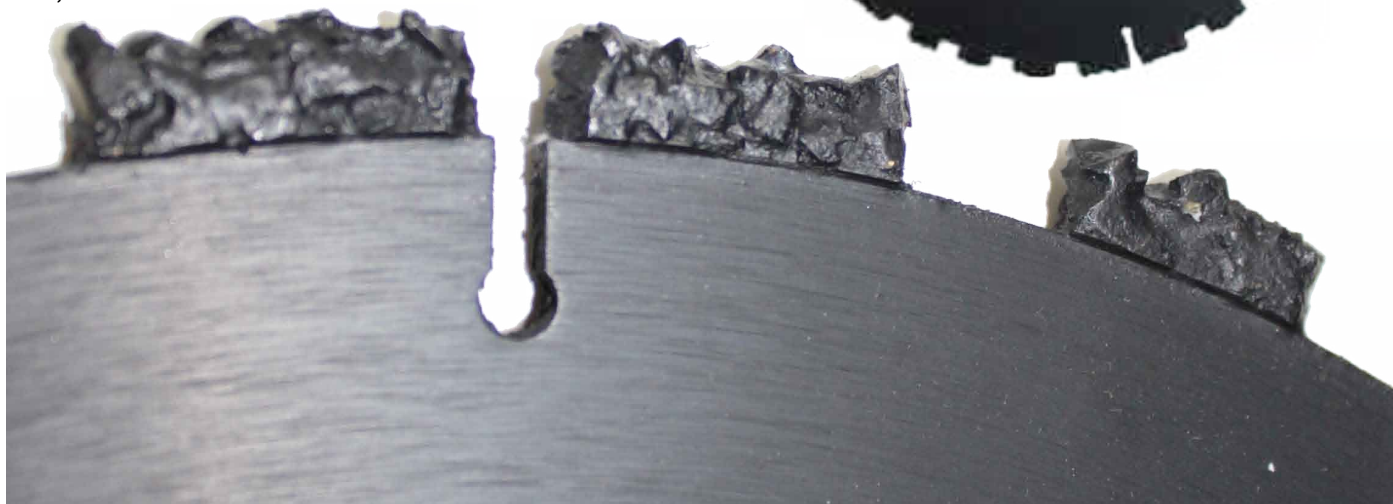
Available sizes: 12", 14", 16"

The Rescue Blade Series

The Rescue Blade is a unique multi-purpose blade. The Rescue Blade is manufactured with jagged carbide segments that chop and rip through materials quickly and efficiently.

Applications: Rescue & fire, pallets, rail ties, dry wall, tar & gravel roofs, shingle roofs, tree roots, fire doors, corrugated roofing, cinder block, decking, emergency situations.

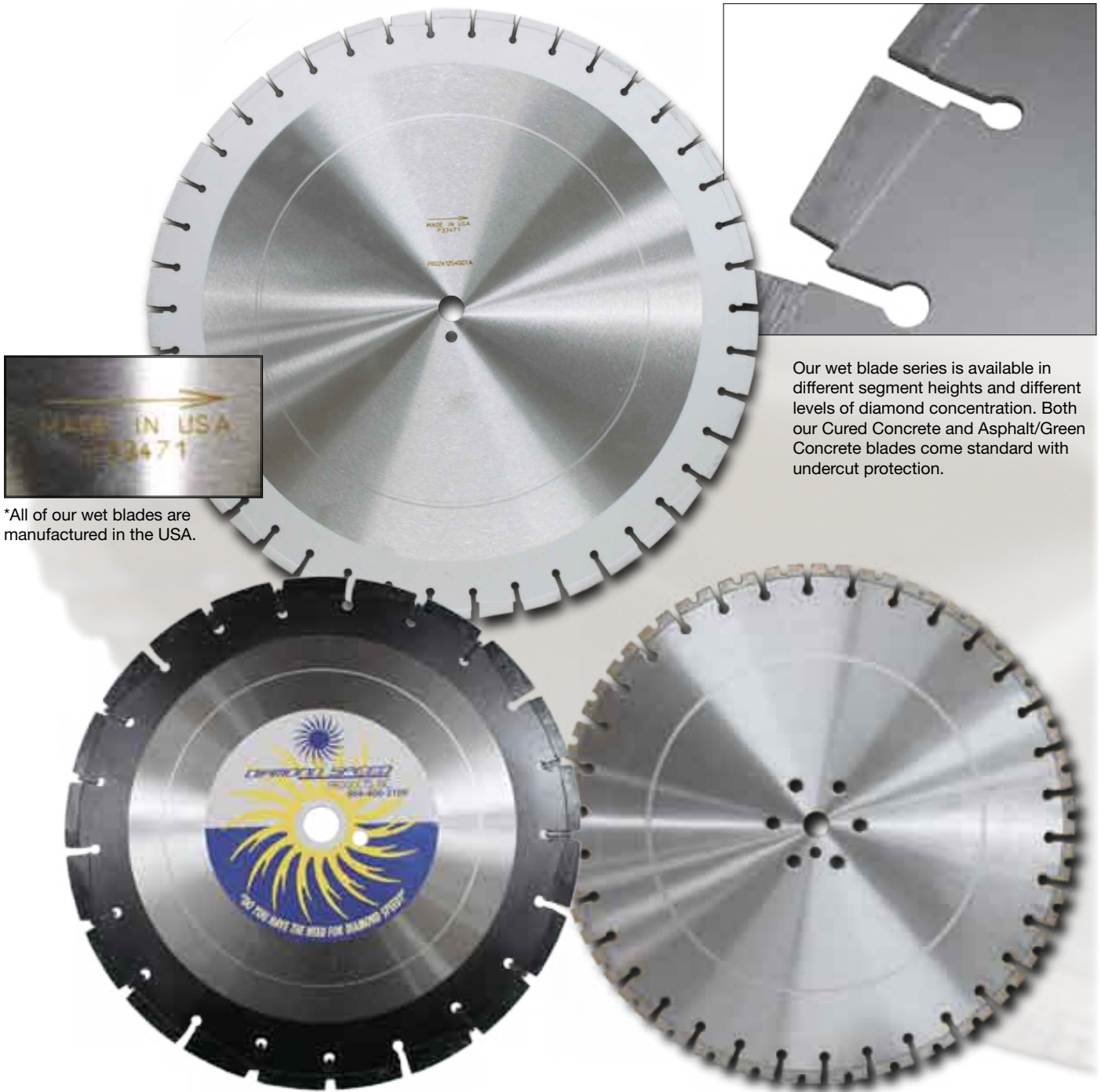
Available sizes: 4", 4.5", 5", 6", 7", 8", 9", 10", 12", 14"



PROFESSIONAL BLADES

The Pro Wet Blade Series

Diamond Speed has wet blades for any size or thickness needed for wet sawing concrete, asphalt or any combination. Blades are bonded towards the intended aggregate for maximum performance and life. Our customers come to us with obscure applications and leave with solutions. Please inquire about odd sizes or applications.



*All of our wet blades are manufactured in the USA.

Our wet blade series is available in different segment heights and different levels of diamond concentration. Both our Cured Concrete and Asphalt/Green Concrete blades come standard with undercut protection.

CORE BITS

The Wet Corebit Series

Wet Application - 14.5" Barrel Depth.

Applications: Wet Application for Reinforced Cured Concrete, Brick, and Block.

Available sizes: 1/2, 5/8, 3/4, 7/8, 1, 1-1/8, 1-1/4, 1-3/8, 1-1/2, 1-5/8, 1-3/4, 2, 2-1/4, 2-1/2, 2-3/4, 3, 3-1/4, 3-1/2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 16, 18, 20. Call for availability on larger sizes.

Our corebits have a 5/8-11 Thread for sizes up to 2", and then a 1 1/4-7 Thread for all other sizes 2" and up.



*Ask about our *Propel Series* Wet Bits



The Dry Corebit Series

Dry Application - 9" Barrel Depth Turbo.

Available sizes: 1, 1-1/4, 1-3/8, 1-1/2, 1-3/4, 2, 2-1/4, 2-1/2, 3, 3-1/4, 3-1/2, 4, 4-1/2, 5, 6.



RING SAW

The Orbit Blade Series

The Orbit Blade is designed to run on Partner ring saws. Orbit blades come in different bonds for cutting concrete and masonry materials.

Application: Concrete and Masonry.



DIAMOND CHAIN

The Diamond Chain Series

Please mention to your sales rep what you will be cutting when ordering. Diamond Chains are bonded for your specific purpose.



GRANITE/MARBLE

The Pro Granite Blade Series

All of our Pro Granite Blades are made to your specifications in mind. Therefore please talk to your sales representative about sizes, bonds and pricing.



Electroplated Blades



The Polishing Pad Series

The Polishing Pad is for polishing marble, granite, concrete, and other various materials. These come in 50, 100, 200, 400, 800, 1500, 3000, and 8500 grit.



Granite Corebits

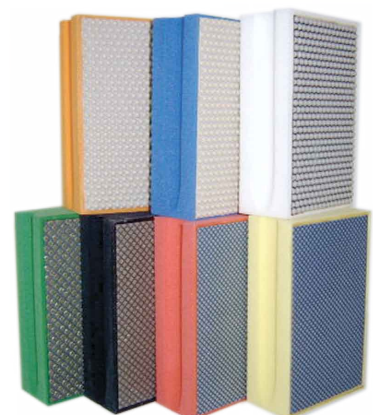


The Router Bit Series

Our Router Bits are made with high quality diamonds and a metal matrix designed for fast and efficient profiling of hard granite, marble and engineered stone.



Diamond Hand Pads



TILE/PORCELAIN

The Zip Blade Series

The Zip Blade is quite simply the best Tile blade in America. Its continuous rim design creates a fast, smooth and chip free cut.

Application: Dry Application for Tile, Granite, and Marble.

Available sizes: 3-3/8", 4", 4.5", 5", 6", 7", 8", 9", 10", 12", 14"



WOOD

Wood Blades

Applications: Our general purpose wood blades are designed to cut a wide range of wood at a highly efficient speed of cut.



SURFACE PREPARATION

We carry a wide selection of products to fit your specific job needs. Whether you are removing epoxy or polishing concrete, we have the necessary tools to help you get your work done fast and effectively. When ordering, please provide your salesman with all the necessary information to better serve you, including bonds, grits, and machines being operated.

Resin Bonded Polishing Pads

We provide high quality finish products for a variety of floor machines. All of the following products have velcro backings. Specialty diamond grits are available upon request.



3" 10mm Thickness
Resin Bond



3" 10mm Thickness
Resin-Copper Bond



3" 8mm Thickness
Resin-Metal Bond



3" 6mm Thickness
Resin Bond



3" 3mm Thickness
Resin Bond



3" 8mm Thickness
Resin-Metal Bond



3" 6mm Thickness
Ceramic Bond



Finger Diamonds

Metal Bonded Grinding Tools



Round Segment
Trapezoid Grinding
Plate



Trapezoid Grinding
Plate



PCD Trapezoid
Bar Style



PCD Grinding Plates



3" PCD Pucks



3" Plug



3" Pucks



3" Arrow Segment Plug



Diamond Plug



2" X-Segments Plug



Vacuum Brazed Pads



2.5" PCD Puck
w/2 PCD Segments



Beveled Segment Pucks



Grinding Stone
for Granite/Marble



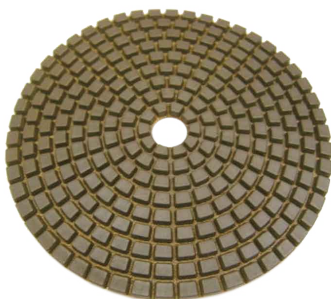
Metal Flexible Pad



Zec Wheel



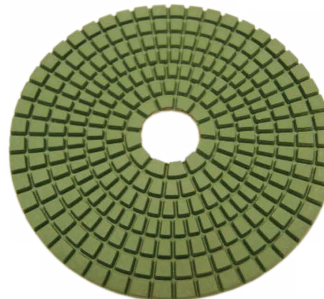
3 Step Polishing Pads



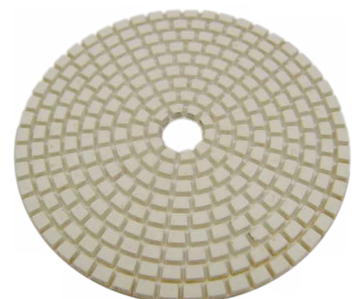
Super Premium Quality



Copper Bond Premium Quality



Premium Quality



Standard Quality



Super Premium Quality



Premium Quality Spiral Style



Quad Adaptor



Cup Wheel Adaptor



Abrasive Wheel Adaptor



Competitor Adaptors



4" Snail Lock Aluminum Backer



3" Velcro with 2" plug Backer

Backer Pads

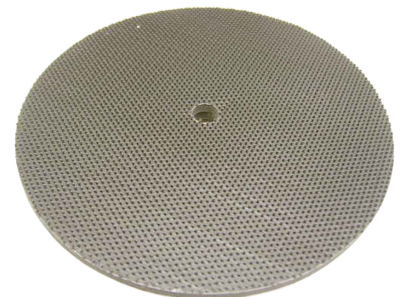
All backers are 5/8-11 Thread

3", 4", 5", 7" Velcro Backup Backers

Rubber Flexible Backers
Rubber Extra Soft Backer
Rigid Backer



7" Velcro Backup Backer, Premium Quality



7" Velcro Backup Backer, Supreme Quality



Rubber Flexible Backers



4" and 5" Aluminum Backers

Diamond Speed Troubleshooting Tips

| Problem | Cause | Remedy |
|--|---|---|
| <i>Blade is cutting slow</i> | Blade bond is too hard Blade segments have closed Excessive RPM | Use a soft bond blade Redress the blade by cutting abrasive material such as asphalt or lightweight block Use the appropriate rated RPM |
| <i>Overheating & Core turning blue</i> | Inadequate water Long periods of dry cutting | Increase water flow Take breaks between cuts |
| <i>Loss of tension or Blade wobbling</i> | Depleted saw bearings Blade mounted incorrectly Overheating Improper RPM | Fix bearings Remount blade Correct overheating situation Use the appropriate rated RPM |
| <i>Undercutting</i> | Abrasive material wearing underneath the segment | Increase water flow or use a blade with undercut protection |
| <i>Segment Loss</i> | Blade is overheating Twisted in cut Undercutting of core | Use water or use a soft bond blade Keep blade in a straight line cut Keep blade out of sub base |
| <i>Arbor out of round</i> | Improper blade mount Damaged shaft or flange | Tighten blade Correct the saw problem |
| <i>Excessive Wear</i> | Blade has too soft of a bond Insufficient water | Use a blade with a harder bond Increase water flow |
| <i>Uneven Wear</i> | Improper blade mount Insufficient water Warped core | Mount blade correctly Increase water flow Blade needs to be replaced |
| <i>Segments are cracking</i> | Blade Bond too hard Pushing blade through cut | Use a softer bonded blade Let the blade do the cutting |
| <i>Cracks in Core</i> | Blade bond too hard Blade misalignment Bouncing blade in cut | Use a softer bonded blade Mount blade correctly Let the blade do the cutting |



Terms and condition of sale:

All sales will be at prices as established by Diamond Speed Products, Inc. Any inconsistent provisions contained in any purchase order, or release issued by a customer, will not apply, unless expressly accepted by Diamond Speed Products, Inc. in writing.

All accounts must furnish satisfactory credit references and financial information. Payment history will be considered in our payment decisions regarding current customers. All discrepancies must be reported within 10 days of invoice date.

Net 30 days terms from the date of the invoice or unless otherwise specified or approved. Payment terms are governed by invoice date, not by the date of the receipt of material or invoice. No orders will be shipped to delinquent accounts.

Warranty:

Goods furnished hereunder are warranted to be free from defects in material and workmanship for a period of thirty days after sale. Diamond Speed Products, Inc., at its own expense and option, will either repair or replace the defective goods provided that the customer has notified Diamond Speed Products, Inc. within the applicable 30 days period and, upon inspection Diamond Speed Products, Inc. has found the goods to be defective. The customer's sole and exclusive remedy hereunder will be limited to such repair or replacement.

The warranties contained hereunder are in lieu of all warranties of any kind either expressed or implied, including but not limited to, all warranties of merchantability and fitness for a particular purpose. Statements, oral or written, by Diamond Speed Products, Inc. or its representatives or others do not constitute warranties and shall not be relied upon by the customer and are not part of this agreement. Diamond Speed Products, Inc. shall not be liable for any special incident indirect or consequential damages or for the loss or profit revenue or other damages caused by defect in the goods sold.



Diamond & Abrasive Cutting Tools

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