



 **ZENESIS**TM

WHAT IS ZENESIS™ PATTERN TECHNOLOGY?

ZENESIS™ is an advanced technology that delivers dramatic improvement in diamond tool performance through the custom-designed diamond patterns specific to each application.

HYBRID LAYERING PERFORMANCE RUNS DEEP

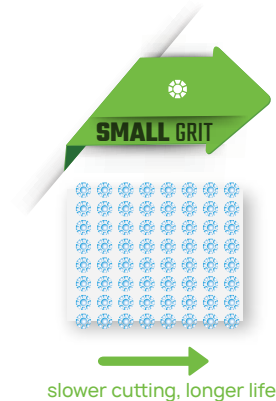
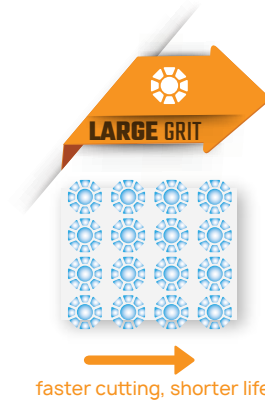
By combining layering techniques with an extraordinary degree of precision, we ensure that our high-quality diamonds will always be evenly exposed throughout the segment to allow faster cutting and efficient debris removal. We've rigorously exacted our manufacturing processes to ensure a perfect pattern – cut after cut. For our most innovative blade offering, ZENESIS™ takes this process one step further by optimizing the distribution and concentration of diamonds on the segments to deliver raw cutting power where it is needed most. Optimal performance is achieved as the strategic placement of diamonds virtually removes all cutting inefficiencies.

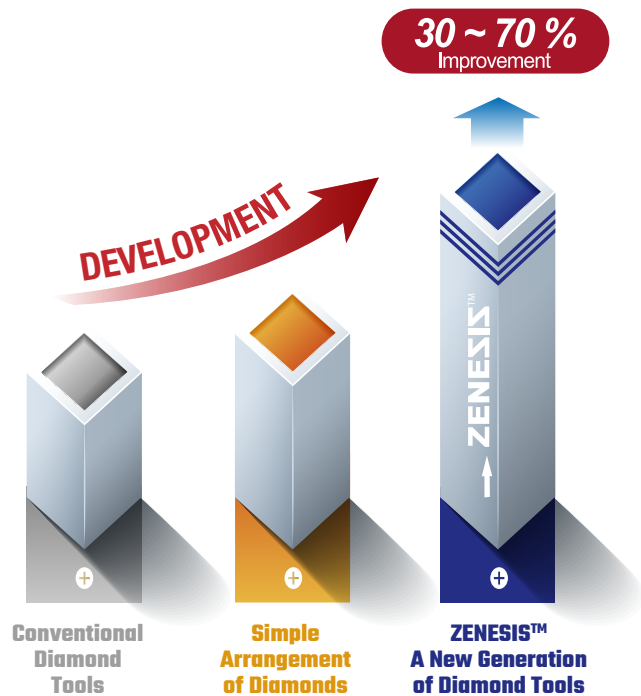
ZENESIS™ PATTERN TECHNOLOGY: FROM THE COMPANY THAT STARTED A REVOLUTION

Simple patterning is not enough. Patterning technology has been around since the 1960s; however, the performance achieved through the even distribution of the diamond grit did not justify the added complexity in manufacturing. Through years of intensive research and development, our engineers at ZENESIS™ have refined our proprietary patterned diamond technology to achieve maximum cutting performance without sacrificing the life or quality of the cut. Our pattern exposes the ideal number of the highest quality diamonds throughout the life of the tool, providing consistent performance from start to finish.

- Speed: Up to 70% faster cutting speed*
- Life: Up to 70% longer tool life*

*in comparison to Company's standard products based on internal testing.





CONVENTIONAL DIAMOND TOOLS

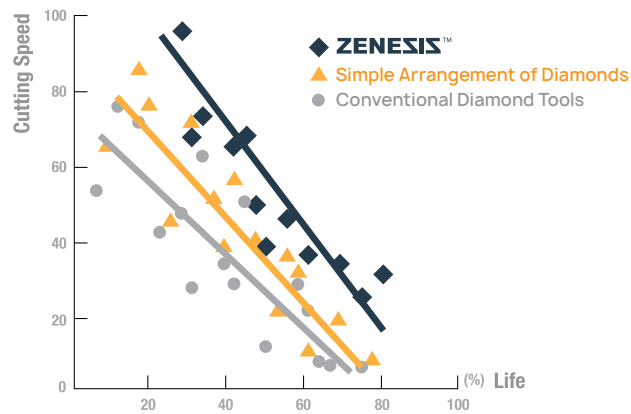
- Diamonds are randomly distributed.
- Random distribution results in inconsistent tool performance.
- Trade-off results between cutting speed and tool life.

SIMPLE ARRANGEMENT OF DIAMONDS

- Elimination of random distribution provides only marginal improvement in performance consistency.
- Does not justify the increase in manufacturing complexity

ZENESIS™ TECHNOLOGY: EVOLUTION OF A REVOLUTION

- Delivers optimal patterns of diamonds for specific applications
- Hybrid layering provides maximum diamond exposure for enhanced performance
- Up to 70% faster cutting speed
- Up to 70% longer life
- Cost-effective mass production
- Proprietary, patented technologies



Testing shows **ZENESIS™ tools** consistently **outperform** the competition.

ZENESIS™ OBSIDIAN

Bridge Saw Blades • 25mm • ZSGO



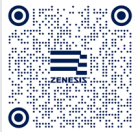
Meet the newest **ZENESIS™** silent core bridge saw blade, **OBSIDIAN**. Distinctly designed to cut fast and clean on engineered stone, porcelain, marble, and even the hardest quartzite. This is made possible by using our latest and most innovative ZENESIS™ diamond patterning technology to date. This latest technology increases the number of cutting/contact points by up to 3 times and significantly improves performance. The unique metal bond matrix is engineered to work with virtually all natural and engineered stone.

- Available in sizes 12" to 20"
- Cuts Granite, Engineered Stone, Porcelain, Marble, and Quartzite



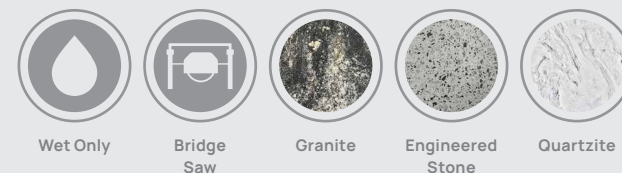
Part No.	Diameter	Segment	Arbor Size
ZSGO20V25T1213T	12"	25mm	60/50mm
ZSGO20V25T1413T	14"	25mm	60/50mm
ZSGO20V25T1613T	16"	25mm	60/50mm
ZSGO20V25T1814T	18"	25mm	60/50mm
ZSGO20V25T2014T	20"	25mm	60/50mm

learn more



ZENESIS™ **BLACK 4**

Bridge Saw Blades • 25mm • ZSG



Wet Only

Bridge
Saw

Granite

Engineered
Stone

Quartzite



25mm

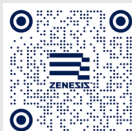
60/50mm Arbor Size

ZENESIS™ patterned technology delivers consistency in diamond exposure, providing maximum efficiency start to finish. With feed rates exceeding 15 ft./min. this blade outperforms random diamond bridge saw blades by 30 – 70%. Hybrid diamond layering guarantees that diamonds will always be evenly exposed on all sides of the segment. This further increases cutting speed and debris removal. Diamond clusters provide more diamond point exposure, which increases cutting speed with less amp draw and therefore is easier on machinery. ZENESIS™ products are manufactured utilizing the highest standards of manufacturing in ISO certified facilities. This delivers consistent results blade after blade and batch after batch.

The **ZENESIS™ BLACK 4** was designed to be the longest lasting blade in the stone industry. Extensive testing showed it consistently lasting at least 10% longer than all other name brand blades.

- Designed to outlast all other bridge saw blades on straight or mitered cuts.
- Cuts Granite, Engineered Stone, and Quartzite

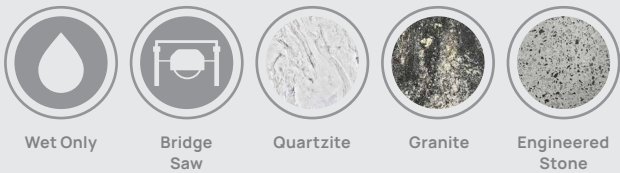
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Part No.	Diameter	Segment	Arbor Size
ZSG20V25T1213T6	12"	25mm	60/50mm
ZSG20V25T1413T6	14"	25mm	60/50mm
ZSG20V25T1613T6	16"	25mm	60/50mm
ZSG20V25T1814T6	18"	25mm	60/50mm
ZSG20V25T1818T6	18"	25mm	60/50mm
ZSG20V25T2014T6	20"	25mm	60/50mm

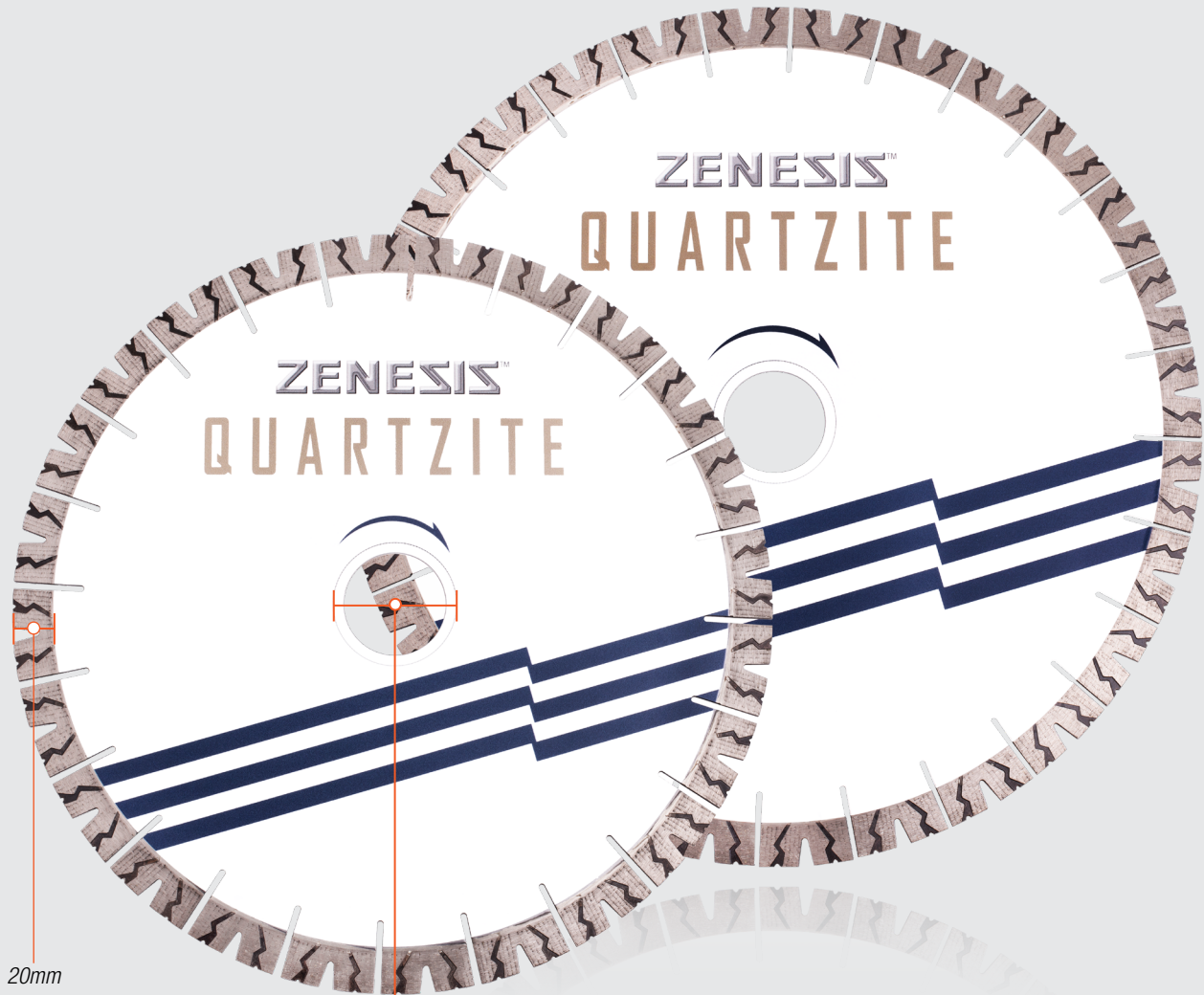
ZENESIS™ QUARTZITE

Bridge Saw Blades • 20mm • ZSGQ



Quartzite is a unique natural rock made up of interlocking quartz crystals resulting in a remarkably dense and hard stone. A specialized blade is required to quickly and cleanly cut a material of this quality. The **ZENESIS™ QUARTZITE** blade provides superior cutting performance on quartzite.

- Unique split segment design for fast cutting speeds; has cut Taj Mahal at over 6 ft./min. feed rate
- Patterned diamond matrix for straight chip-free cuts
- Soft bond for continuous use without dressing



Part No.	Diameter	Segment	Arbor Size
ZSGQ20V20T1212T	12"	20mm	60/50mm
ZSGQ20V20T1412T	14"	20mm	60/50mm
ZSGQ20V20T1613T	16"	20mm	60/50mm
ZSGQ20V20T1815T	18"	20mm	60/50mm
ZSGQ20V20T2015T	20"	20mm	60/50mm

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ZENESIS™ II

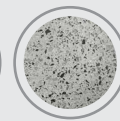
Bridge Saw Blades • 25mm • ZSG



Wet Only

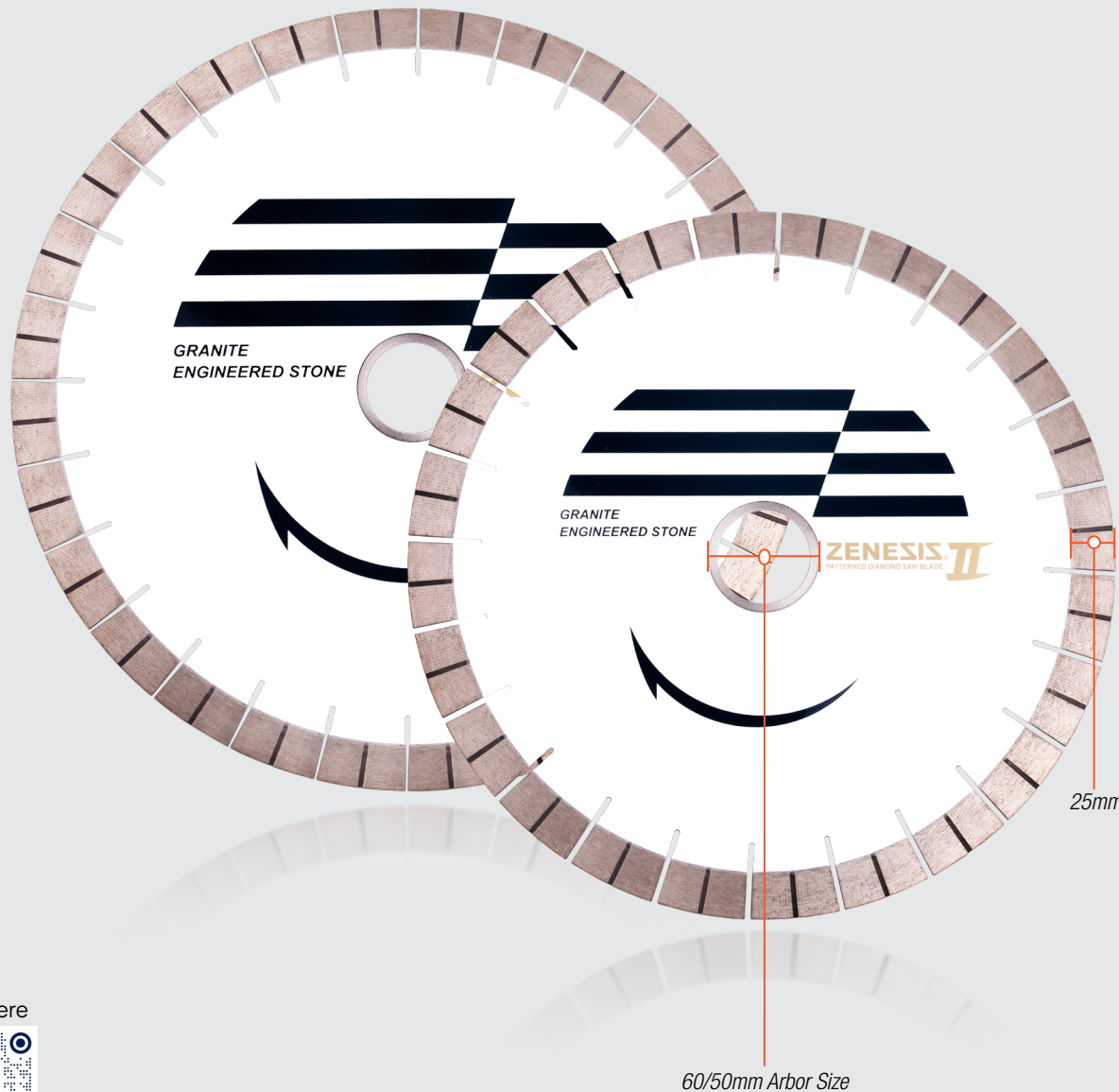
Bridge
Saw

Granite

Engineered
Stone

The **ZENESIS™ II** bridge saw blade revolutionized the stone fabricating industry by raising the bar for cutting speed and blade life. Straight and efficient cutting increases productivity while reducing stress on the bridge saw.

- 25mm segment height
- Feed Rate up to 10 feet per minute
- Cuts Granite and Engineered Stone



watch here



Part No.	Diameter	Segment	Arbor Size
ZSG20V25T1212T	12"	25mm	60/50mm
ZSG20V25T1412T	14"	25mm	60/50mm
ZSG20V25T1612T	16"	25mm	60/50mm
ZSG20V25T1814T	18"	25mm	60/50mm
ZSG20V25T2014T	20"	25mm	60/50mm

ZENESIS™ CARBON

Bridge Saw Blades • 10mm • ZLSGD



The **ZENESIS™ CARBON** is a very unique continuous rim blade that was originally designed for large format porcelain slabs. We quickly discovered that is excellent for many other challenging materials like sintered stone, delicate marble and intimidating semi-precious stones. The tightly butted thin kerf segments easily glide through all of these materials. The added reinforcement to the core keeps the blade running straight and true over long cuts.

It is a highly versatile all-around blade for lower HP (less than 20hp) saws that might otherwise struggle with hard materials. The ultra-thin rim combined with tightly butted segments renders a remarkably clean finish in both straight and miter cuts, and the reinforced core keeps the blade from deflecting while cutting. Combine that with superior manufacturing and highest-grade materials, and you get a blade deserving to be called ZENESIS™!

- Cuts Porcelain, Sintered Stone, Petrified Wood, Slabs made with Geodes



Part No.	Diameter	Segment	Arbor Size
ZLSGD10UT1210T	12"	10mm	60/50mm
ZLSGD10UT1410T	14"	10mm	60/50mm
ZLSGD10UT1613T	16"	10mm	60/50mm

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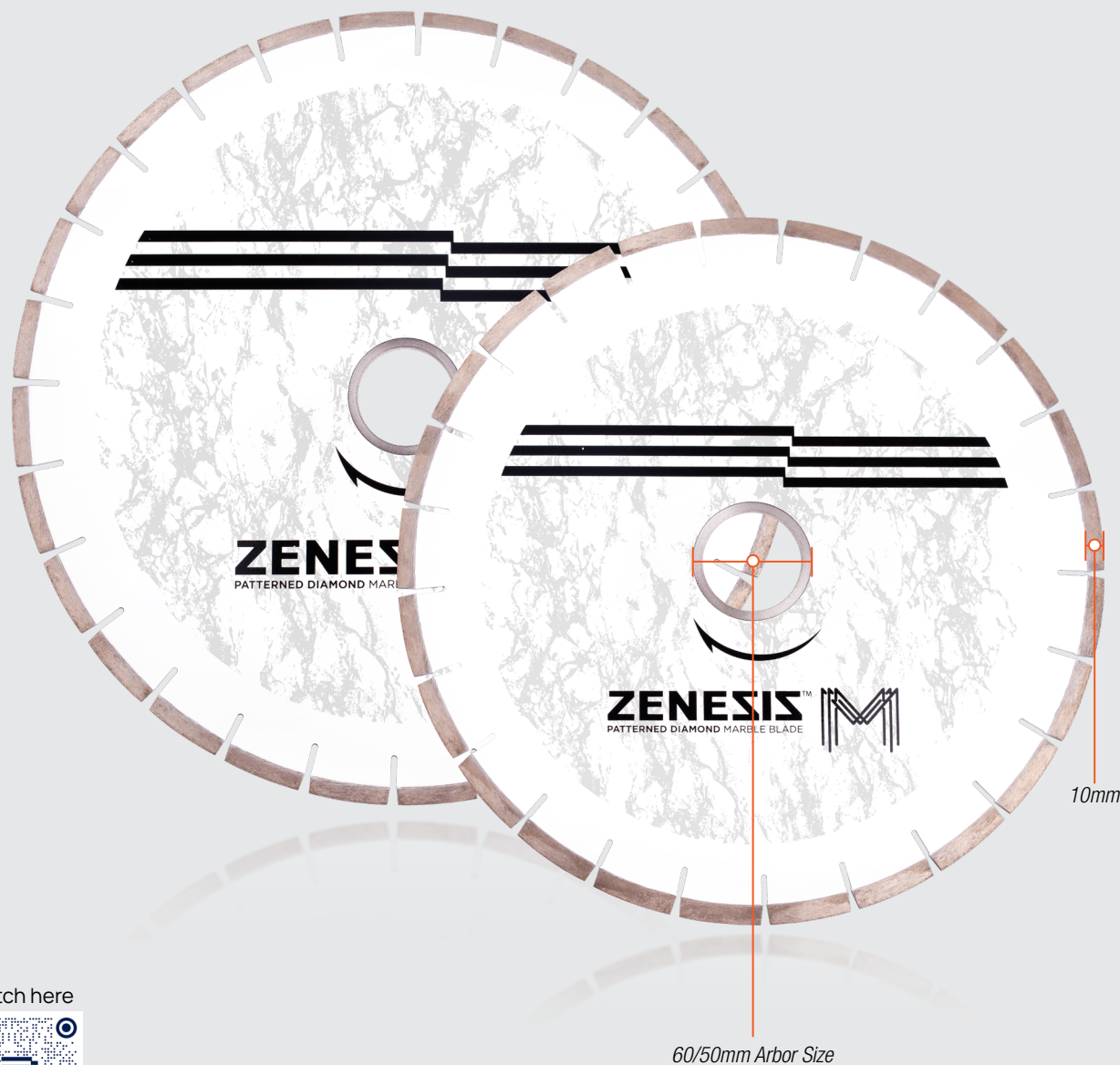
ZENESIS™ MARBLE

Bridge Saw Blades • 10mm • ZSMM



ZENESIS™ now offers its exclusive patterned technology in a bridge saw blade designed specifically to cut marble and other soft stone products. As expected, this latest **ZENESIS™ MARBLE** blade offers exceptionally smooth, fast and chip-free cutting on all types of marble. This blade is available in diameters of 12" to 20" and is guaranteed to set the standard of performance and meet the demands of marble fabricators everywhere.

- Designed specifically to cut Marble
- Exceptionally smooth, fast, chip-free cutting
- Silent core



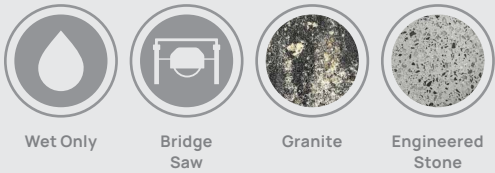
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Part No.	Diameter	Segment	Arbor Size
ZSMM10R1212T	12"	10mm	60/50mm
ZSMM10R1412T	14"	10mm	60/50mm
ZSMM10R1612T	16"	10mm	60/50mm
ZSMM10R1814T	18"	10mm	60/50mm
ZSMM10R2014T	20"	10mm	60/50mm

ZENESIS™ MITER

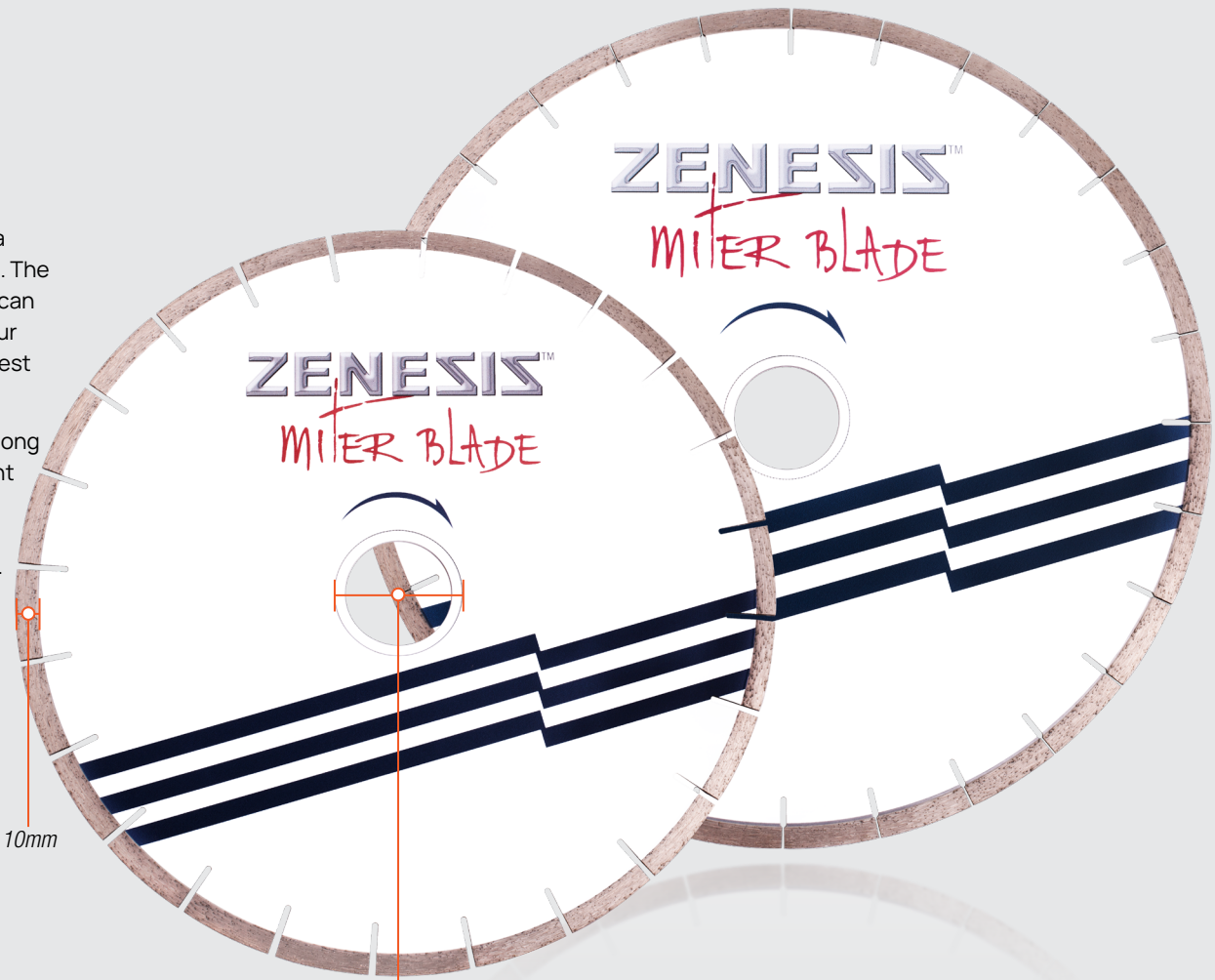
Bridge Saw Blades • 10mm • ZMI



The **ZENESIS™ MITER** blade is specifically designed to deal with the added side stress put on blades when miter cutting. Most mega segment (over 20mm) blades are designed only for straight cutting. The added downward pressure put on these blades while miter cutting can cause flexing at the weld and premature tension loss in the core. Our 10mm segments do not flex at the weld which makes it the straightest cutting miter blade on the market.

Highest quality metal matrix and pattern diamond technology give long life to the shorter segment making it ideal for both miter and straight cuts. No more need to change blades to get accurate razor sharp miters! The segments are precisely brazed onto a extra heavy duty silent core to prevent flexing in the core and premature core failure.

- Great for All Natural and Engineered Stone
- Strong core to minimize flexing
- 10mm segment to maximize life and minimize segment loss
- Engineered bond for chip free cuts to leave an invisible seam



Part No.	Diameter	Segment	Arbor Size
ZMI20V10T1412T	14"	10mm	60/50mm
ZMI20V10T1612T	16"	10mm	60/50mm

ZENESIS™ Z-PATTERN BLADE

Bridge Saw Blades • 18mm • ZESG



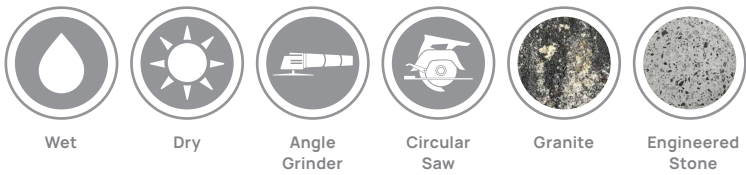
The **ZENESIS™ Z-PATTERN BLADE** is recommended for production shops utilizing CNC and robotic stone saws. These new technology saws require speed, accuracy and clean cuts. The 18mm pattern diamond segments are specifically designed to run faster and straighter under extreme production conditions. This high-performing blade has been expertly developed for wet use only on granite and engineered stone and is proven to perform reliably at feed rates 5-10 feet per minute. Can be used on quartzite at feed rates 1-4 feet per minute.



Part No.	Diameter	Segment	Arbor Size
ZESG20V18T1212T	12"	18mm	60/50mm
ZESG20V18T1412T	14"	18mm	60/50mm
ZESG20V18T1612T	16"	18mm	60/50mm
ZESG20V18T1814T	18"	18mm	60/50mm
ZESG20V18T2014T	20"	18mm	60/50mm

ZENESIS™ TURBO BLADE

Saw Blades • 8mm/10mm • ZRG



The third generation ZENESIS™ wet/dry granite turbo blades utilizes the technology that has made ZENESIS™ the best performing bridge saw blades. The new **ZENESIS™ TURBO** blades outperform all other blades on the market. The unique turbo design provides fast and clean cuts that are virtually chip free, reducing the clean-up time and therefore not only saving you time when cutting but also afterward.

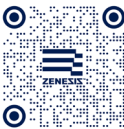
- New turbo design for fast clean cuts
- Cooling holes limit overheating
- Quad holes for flush cut adapters
- **5.3" Turbo Plus Blade can cut completely through a 3cm slab**



Part No.	Diameter	Segment	Arbor Size
ZRG10S4510CR	4.5"	8mm	7/8-20mm-5/8, w/thunder hole, 4 flush cut
ZRG10S0510CR	5"	8mm	7/8-20mm-5/8, w/thunder hole, 4 flush cut
ZRG10S05310CR	5.3"	10mm	7/8-20mm-5/8, w/thunder hole, 4 flush cut
ZRG10S0610CR	6"	8mm	7/8-20mm-5/8, w/thunder hole, 4 flush cut
ZRG10S0710UR	7"	8mm	UA-5/8, w/thunder hole, 4 flush cut

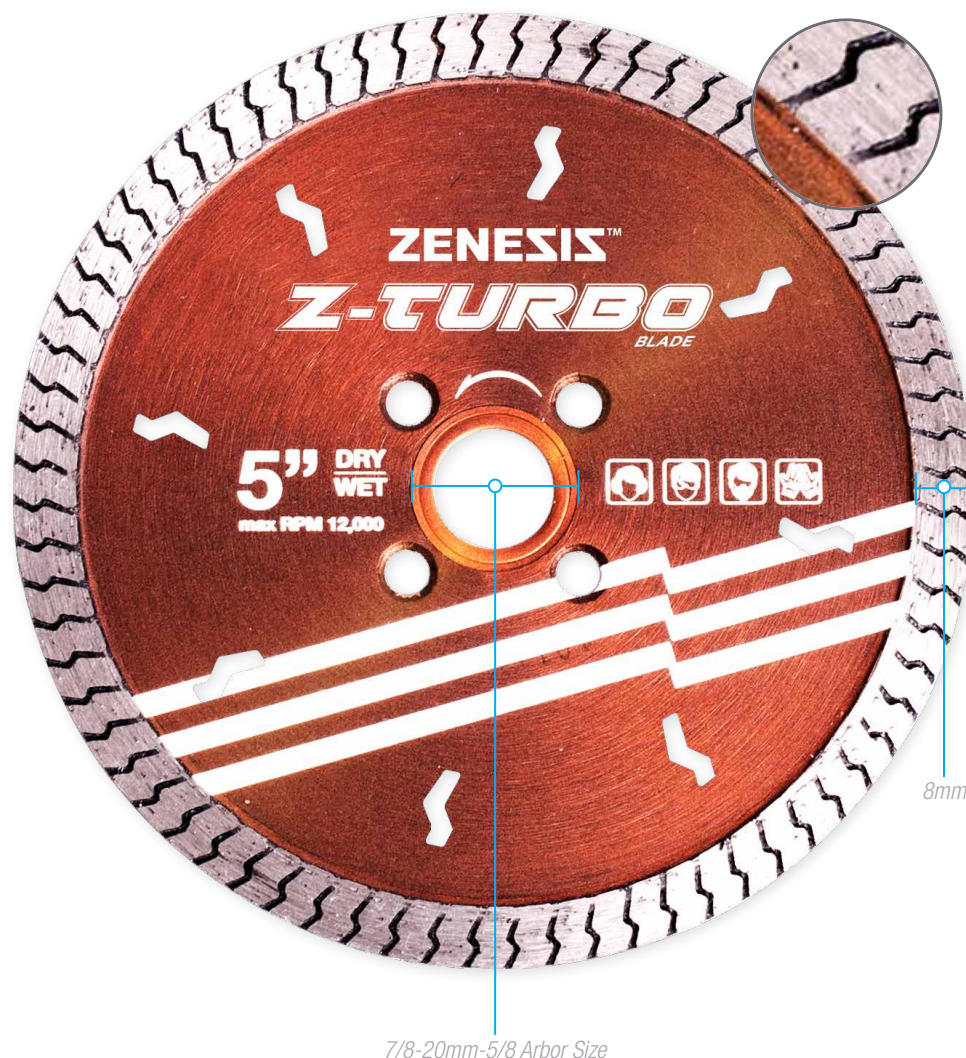
7/8-20mm-5/8 Arbor Size

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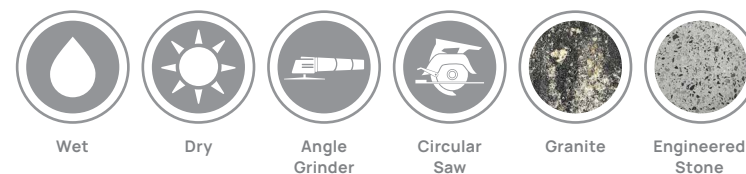


ZENESIS™ Z-TURBO BLADE

Saw Blades • 8mm • ZERG

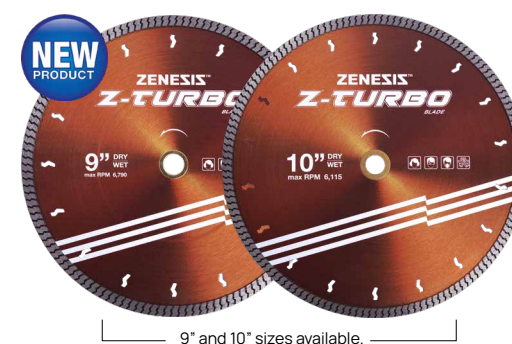


7/8-20mm-5/8 Arbor Size



Delivering fast and clean cuts at an affordable price, the new **ZENESIS™ Z-TURBO BLADE** gives you maximum value. The blade's narrow turbo design effectively reduces chipping. It comes with flush cut holes and a unique bond that maximizes performance on granite and engineered stone. ZENESIS™ is excited to offer two new sizes of our premium Z-Series turbo blades. The 9" blade is the fastest blade ever made for the new 9" battery-operated saws. Our new 10" blade is designed to cut natural stone and high PSI concrete pavers on 10" tile saws. For stone shops using 10" blades to cut backsplash, this blade is ideal. Also available with alternate arbors.

- Narrow turbo design reduces chipping
- 8mm segment height



9" and 10" sizes available.

Part No.	Diameter	Segment	Arbor Size
ZERG10N4508C2	4.5"	8mm	7/8-20mm-5/8, w/thunder hole, 4 flush cut
ZERG10N0508C2	5"	8mm	7/8-20mm-5/8, w/thunder hole, 4 flush cut
ZERG10N0609C2	6"	8mm	7/8-20mm-5/8, w/thunder hole, 4 flush cut
ZERG10N0709C2	7"	8mm	7/8-20mm-5/8, w/thunder hole, 4 flush cut
ZERG10N0909C2	9"	8mm	7/8, w/thunder hole
ZERG10N1009E2	10"	8mm	1"-5/8, w/thunder hole

ZENESIS™ QUARTZITE

Saw Blades • 9mm • ZRGQ



The new **ZENESIS™ QUARTZITE** turbo blade is the first small-diameter blade we engineered specifically for the hardest quartzites. Where other turbo blades bounce, chip, or stop cutting after a few inches, this blade cuts easily through this material. Unique turbo rim design with added drop segments makes this blade immediately stand out from the competition. And if you think it does well in quartzite, you'll be amazed at how it works in any other natural stone.

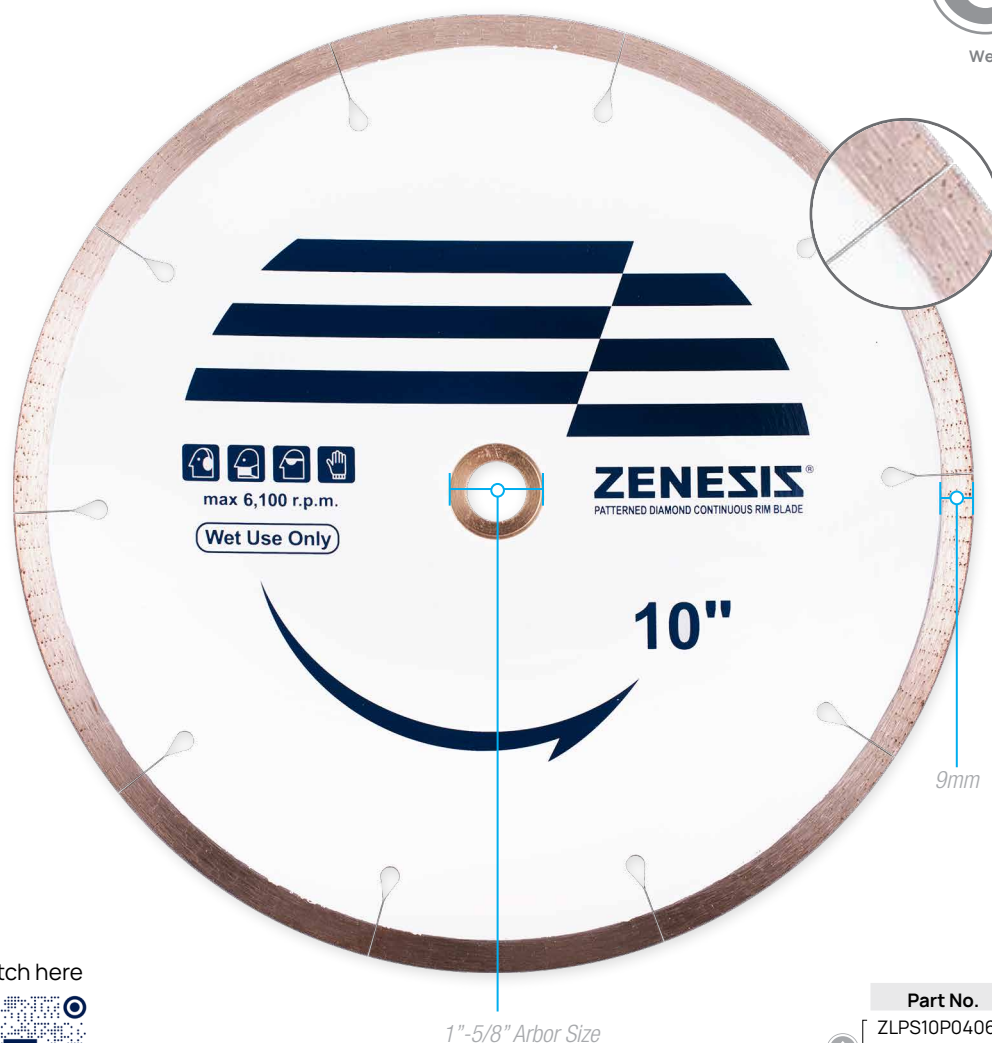
- Available with quad adaptor holes in sizes 5" to 7"
- Cuts Quartzite, All Natural Stone, Granite, Engineered Stone



Part No.	Diameter	Segment	Arbor Size
ZRGQ10S0508C	5"	9mm	7/8-20mm-5/8
ZRGQ10S0609C	6"	9mm	7/8-20mm-5/8
ZRGQ10S0709U	7"	9mm	UA-5/8

ZENESIS™ CONTINUOUS RIM BLADE

Continuous Rim Saw Blades • ZLPS



Unique slot and rim design gives the **ZENESIS™ CONTINUOUS RIM BLADE** unparalleled and effortless cutting precision and performance. Since the blade incorporates ZENESIS™ pattern technology, fabricators can count on exceptionally smooth and chip-free cutting of porcelain tile, granite and other hard materials.

- Smooth cutting of Porcelain, Granite and other hard materials
- Use 4", 4.5", 5" and 6" wet or dry; all other sizes must be used wet

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Part No.	Diameter	Segment	Arbor Size
ZLPS10P0406C	4"	6.5mm	7/8"-5/8"+20mm
ZLPS10P4506C	4.5"	6.5mm	7/8"-5/8"+20mm
ZLPS10P0506C	5"	6.5mm	7/8"-5/8"+20mm
ZLPS10P0606C	6"	6.5mm	7/8"-5/8"+20mm

Part No.	Diameter	Segment	Arbor Size
ZLPS10P0706U	7"	9mm	U/A (DM -5/8")
ZLPS10P0806E	8"	9mm	1"-5/8"
ZLPS10P0806U	8"	9mm	U/A (DM -5/8")
ZLPS10P1008E	10"	9mm	1"-5/8"
ZLPS10P1208E	12"	9.5mm	1"-5/8"
ZLPS10P1208T	12"	9.5mm	50/60mm
ZLPS10P1408E	14"	9.5mm	1"-5/8"
ZLPS10P1408T	14"	9.5mm	50/60mm

ZENESIS™ GLASS TILE BLADE

Tile Blades • 7.5mm • ZLGW



The **ZENESIS™ GLASS TILE BLADES** provide chip-free performance significantly beyond anything currently available on the market on all types and thicknesses of glass.

- Also provides smooth clean cuts on Hard Porcelain
- 7.5mm segment height for long life




Part No.	Diameter	Segment	Arbor Size
ZLGW20U0406C	4"	7.5mm	7/8"-5/8"+20mm
ZLGW20U4506C	4.5"	7.5mm	7/8"-5/8"+20mm
ZLGW20U0706A	7"	7.5mm	5/8"
ZLGW20U1006A	10"	7.5mm	5/8"


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ZENESIS™ PORCELAIN TILE BLADE


Tile Blades • 10mm • ZLW



Wet Only


Angle Grinder


Tile Saw


Circular Saw


Porcelain


Porcelain Pavers

ZENESIS™ PORCELAIN TILE BLADE is designed for professionals looking for fast, smooth and chip free cuts on ceramic and all types of porcelain, including large porcelain sheets and porcelain pavers. The continuous rim minimizes chipping and reduces the risk of blade flexing and segment loss.

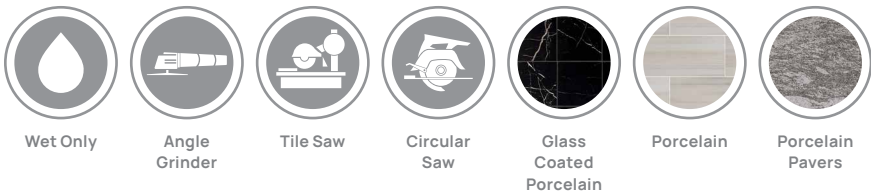
- 10mm segment height for long life



Part No.	Diameter	Segment	Arbor Size
ZLW10UT0406C2	4"	10mm	7/8"-5/8"+20mm
ZLW10UT4506C2	4.5"	10mm	7/8"-5/8"+20mm
ZLW10UT0706A2	7"	10mm	5/8"
ZLW10UT1006A2	10"	10mm	5/8"

ZENESIS™ NANO TILE BLADE

For Glass Coated Porcelain Tile • Tile Blades • 10mm • ZLGW



The **ZENESIS™ NANO** is the first hybrid tile blade designed to cut chip-free on next-generation coated porcelains. A high concentration of the highest quality diamonds combined with our special metal bond matrix gives the speed of a high-quality porcelain blade and the finish of a premium glass blade. We have also added extra reinforcement to the core to keep the blade running true and straight when cutting large format tiles.

- Available in sizes 7" and 10"



Part No.	Diameter	Segment	Arbor Size
ZLGW20P0706A	7"	10mm	5/8"
ZLGW20P1006A	10"	10mm	5/8"

ZENESIS™ CORE BIT

Core Bits • 8mm • ZDGUL



The superior **ZENESIS™ CORE BITS** are made using the same ZENESIS™ pattern diamond technology that made our bridge saw blades #1 in the world. Made for worst case scenario materials like quartzite this bit is the best performing bit we have ever made. The pattern diamond segments guarantee consistency throughout the life of the bit. Brazed diamonds on the outside of the barrel help prevent binding in the hole while brazed diamonds on the inside of the barrel make for easy plug removal.

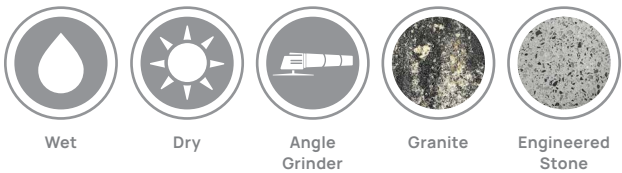
- All-new design for enhanced performance
- Can be used wet or dry



Part No.	Diameter	Segment	Arbor Size	Part No.	Diameter	Segment	Arbor Size
ZDGUL032B3	1-1/4"	8mm	5/8"-11 Threaded	ZDGUL057B3	2-1/4"	8mm	5/8"-11 Threaded
ZDGUL035B3	1-3/8"	8mm	5/8"-11 Threaded	ZDGUL062B3	2-1/2"	8mm	5/8"-11 Threaded
ZDGUL038B3	1-1/2"	8mm	5/8"-11 Threaded	ZDGUL075B3	3"	8mm	5/8"-11 Threaded
ZDGUL051B3	2"	8mm	5/8"-11 Threaded				

ZENESIS™ Z-CORE BIT

Core Bits • 8mm • ZEDGPL



The all-new **ZENESIS™ Z-CORE BIT** is engineered for optimal performance on granite and engineered stone. It is equipped with abrasive coating both inside and outside to reduce friction and to facilitate easy core removal. Featuring laser-welded segments for safety and long life, this product provides maximum value.

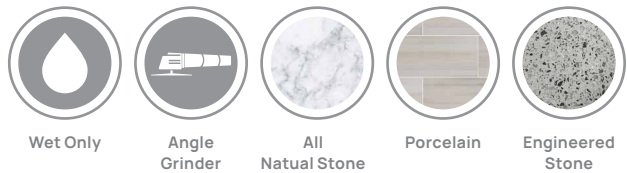
- Engineering for maximum performance on Granite and Engineered Stone
- Can be used wet or dry



Part No.	Diameter	Segment	Arbor Size
ZEDGPL025BSL	1"	8mm	5/8"-11
ZEDGPL032BSL	1 1/4"	8mm	5/8"-11
ZEDGPL035BSL	1 3/8"	8mm	5/8"-11
ZEDGPL038BSL	1 1/2"	8mm	5/8"-11
ZEDGPL044BSL	1 3/4"	8mm	5/8"-11
ZEDGPL051BSL	2"	8mm	5/8"-11

ZENESIS™ Z-THIN WALL CORE BIT

Core Bits • 9.5mm • ZETWCB



The **ZENESIS™ Z-THIN WALL CORE BIT** makes the cleanest holes in the largest variety of materials. The unique continuous thin rim is extremely precise and fast. They are great for marble, granite, engineered stone, porcelain and sintered stone. This bit has far less chipping on the top and less blow out on the bottom when compared to standard core bits.

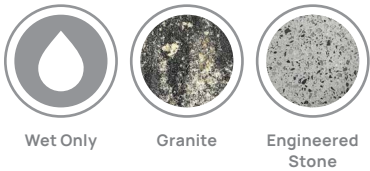
- Equipped with wrench flats for easy removal
- Thin wall provide fast cutting
- Designed to minimize chipping



Part No.	Diameter	Segment	Arbor Size	Part No.	Diameter	Segment	Arbor Size
ZETWCB30P019B	3/4"	9.5mm	5/8"-11	ZETWCB30P051B	2"	9.5mm	5/8"-11
ZETWCB30P025B	1"	9.5mm	5/8"-11	ZETWCB30P060B	2 3/8"	9.5mm	5/8"-11
ZETWCB30P028B	1 1/8"	9.5mm	5/8"-11	ZETWCB30P067B	2 5/8"	9.5mm	5/8"-11
ZETWCB30P032B	1 1/4"	9.5mm	5/8"-11	ZETWCB30P075B	3"	9.5mm	5/8"-11
ZETWCB30P035B	1 3/8"	9.5mm	5/8"-11	ZETWCB30P100B	4"	9.5mm	5/8"-11
ZETWCB30P038B	1 1/2"	9.5mm	5/8"-11	ZETWCB30P120B	4 3/4"	9.5mm	5/8"-11
ZETWCB30P044B	1 3/4"	9.5mm	5/8"-11				

ZENESIS™ FINGER BIT

Finger Bit • ZFBS



The **ZENESIS™ 4 AND 7 SEGMENT FINGER BITS** provide top CNC performance on all stone materials. They deliver precise, quiet and chip-free cutting at faster speeds and can be used on soft to medium-hard materials (4 segments) or medium to hard materials (7 segments). The enhanced design utilizes our most advanced diamond pattern to date, which increases durability and prevents premature wear to ensure long tool life.

- 1/2" gas thread
- Cuts Granite and Engineered Stone (without the full stop)
- Recommended RPM ranges from 4,200 in hard material to 5,500 in softer material with a feed rate of 12"~16" per minute
- Wet use only



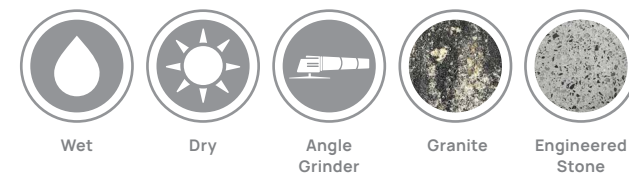
Part No.	Description
ZFBS02040A4	20mm x 1-5/8" x 1/2" Gas, 4 seg (40L-7W-3.5T)
ZFBS02250A4	22mm x 2" x 1/2" Gas, 4 seg (50L-7W-3.5T)
ZFBS02040A7	20mm x 1-5/8" x 1/2" Gas, 7 seg (40L-3W-4.0T)
ZFBS02250A7	22mm x 2" x 1/2" Gas, 7 seg (50L-7W-4.0T)

watch here



ZENESIS™ ZERO TOLERANCE WHEEL

Zero Tolerance Wheels • ZGDSC



The **ZENESIS™ ZERO TOLERANCE WHEELS** feature resin-filled metal segments for fast grinding with reduced vibration. Since they use ZENESIS™ pattern technology, the tool life is long and the finish exceptionally smooth.

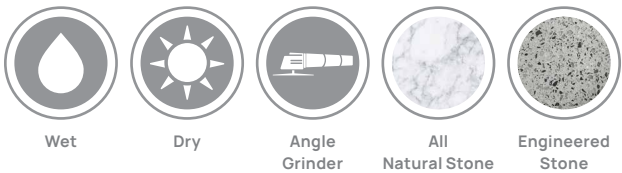
- 5/8"-11 thread
- Grinds Granite and Engineered Stone
- Can be used wet or dry



Part No.	Description	Arbor Size
ZGDSC02158AF	2" x 1-5/8"	5/8"-11 Threaded
ZGDSC03158AF	3" x 1-5/8"	5/8"-11 Threaded

ZENESIS™ RESIN CUP WHEELS

Resin Cup Wheels • ZCSR



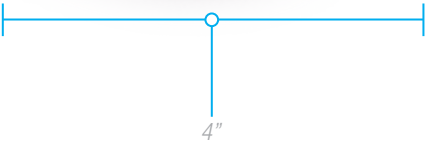
ZENESIS™ announces advanced design resin filled cup wheels. Resin cup wheels are increasingly gaining popularity as they are ideal for flat grinding on surfaces (even extreme lippage removal), edges and on the back of slabs before laminating. The resin between the segments creates significantly smoother cup wheel surfaces which results in less swirl and scratch patterns. This greatly reduces the need to polish the work surface with pads after grinding and the smoother result also means that lamination lines become less obvious.

Made from supreme quality metal, diamonds and resin, **ZENESIS™ RESIN CUP WHEELS** offer a greater efficiency and long product life. These cup wheels are precision balanced to lessen vibration, further reducing swirl patterns, and the unique overlapping segment design significantly cuts down resin blow out. We offer our ZENESIS™ Resin Cup Wheels in coarse, medium, and fine grits, eliminating the need to use silicon carbide grinding stones.

ZENESIS™ Resin Cup Wheels provide outstanding performance when used either wet or dry.

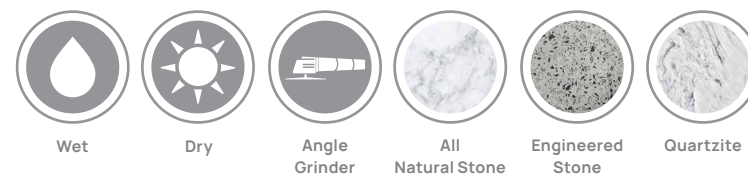


Part No.	Diameter	Grit
ZCSR04FH2	4"	Fine 120/140 Grit
ZCSR04MH2	4"	Medium 80/100 Grit
ZCSR04H2	4"	Coarse 50/60 Grit



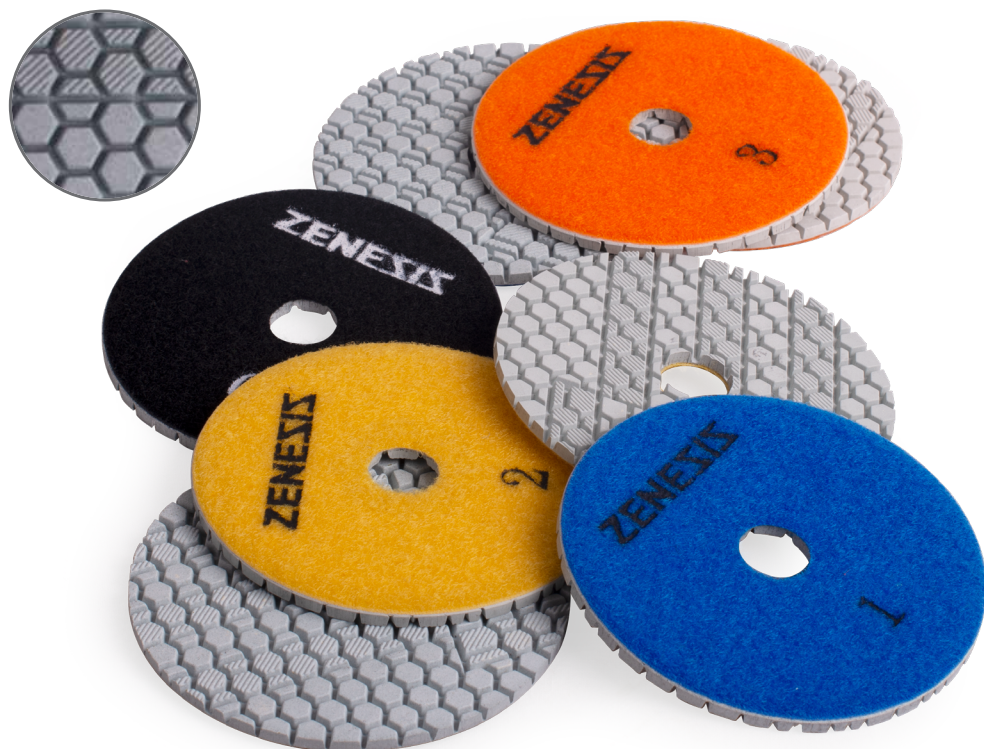
ZENESIS™ 3-STEP POLISHING PADS

Polishing Pads • ZASHP



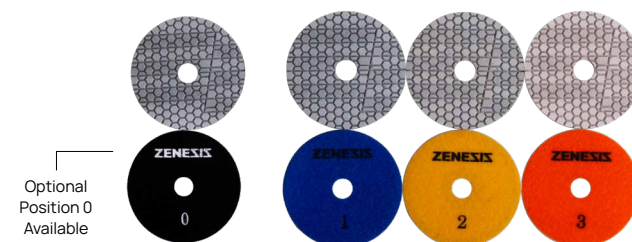
ZENESIS™ 3-STEP POLISHING PADS will save you time and make you money. Our pads give a spot on factory finish in half the time as traditional 7-step pads. The #1 pad sands the stone and takes out saw marks and light pitting; does the work of 50 to 200 grit. #2 pad hones the material taking out any swirl marks preparing the stone for polishing; does the work of 200 to 800 grit. #3 pad puts on an amazing high gloss polish; does the work of 800 to 3000 grit.

- Unique Hybrid resin works great wet or dry.
- Super high diamond concentration allows 1 pad to do the work of 3.
- Special white resin will not stain your material.
- Optional hyper aggressive position 0 can extend the life of #1 and #2.



4"

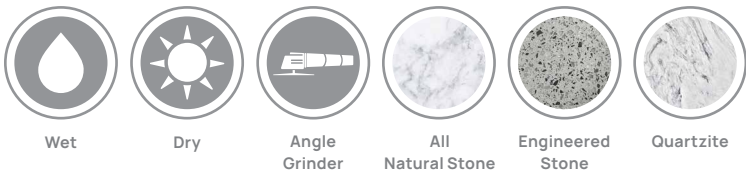
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Part No.	Description
ZASHP0400A3	4" x 3.0mm x 5/8, Position 0, Black Backing
ZASHP0401A3	4" x 3.0mm x 5/8, Position 1, Blue Backing
ZASHP0402A3	4" x 3.0mm x 5/8, Position 2, Yellow Backing
ZASHP0403A3	4" x 3.0mm x 5/8, Position 3, Orange Backing

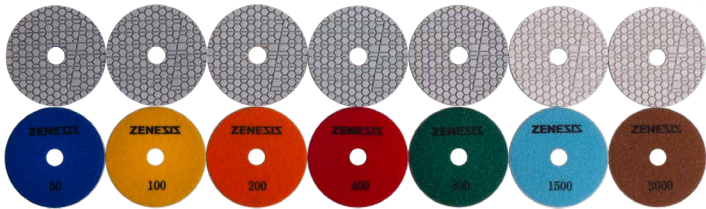
ZENESIS™ HYBRID WHITE RESIN POLISHING PADS

Polishing Pads • ZASHP



New **ZENESIS™ HYBRID WHITE RESIN POLISHING PADS** are specially designed to deal with the challenges of engineered stone. Higher resin content in today's engineered stone present problems for traditional polishing pads. Standard pads can leave unacceptable swirl marks and scratches in your edge polish. Many colored pads can bleed and stain light colored Engineered Stones. The new ZENESIS™ pads specially formulated white resin will not scratch or stain even when brand new.

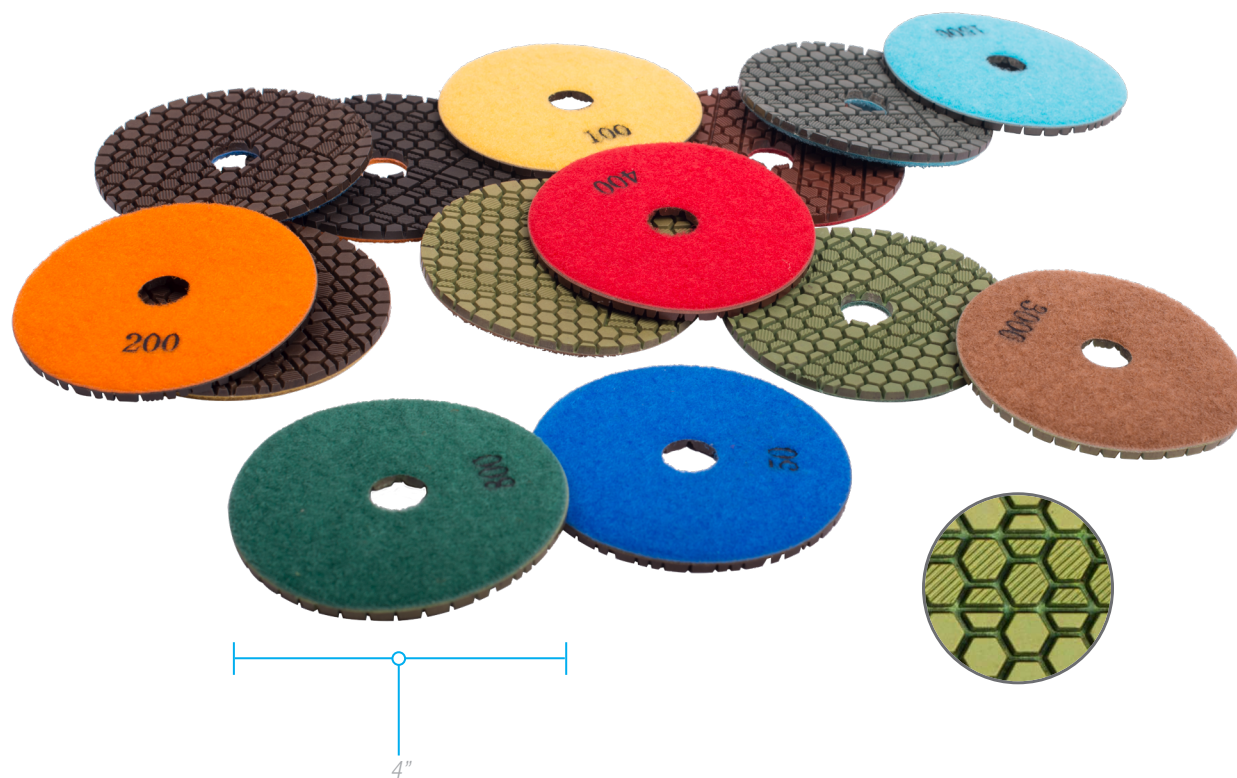
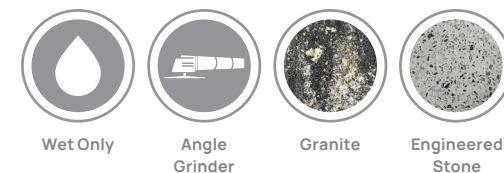
These pads are made with a proprietary hybrid resin formula that works great on natural stone. And you won't believe what these pads can do on quartzite.



Part No.	Description
ZASHP040050A3	4" x 3.0mm x 5/8, 50 grit, Blue Backing
ZASHP040100A3	4" x 3.0mm x 5/8, 100 grit, Yellow Backing
ZASHP040200A3	4" x 3.0mm x 5/8, 200 grit, Orange Backing
ZASHP040400A3	4" x 3.0mm x 5/8, 400 grit, Red Backing
ZASHP040800A3	4" x 3.0mm x 5/8, 800 grit, Green Backing
ZASHP041500A3	4" x 3.0mm x 5/8, 1500 grit, Light Blue Backing
ZASHP043000A3	4" x 3.0mm x 5/8, 3000 grit, Brown Backing

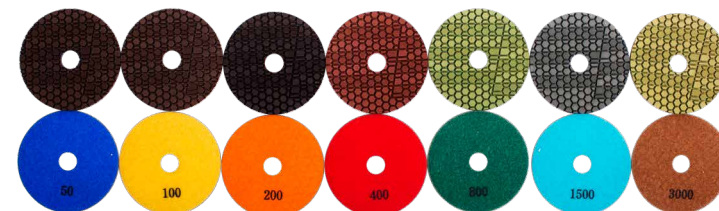
ZENESIS™ POLISHING PADS

Polishing Pads • ZASHP



ZENESIS™ POLISHING PADS give the highest quality shine and longest life of any pad on the market. It was 19% better than the #1 pad on the market when compared using a gloss meter. Highest quality diamonds, specially formulated resin and a unique segment pattern combine to make this go to pad for the most discriminating fabricators. Do a complete value analysis and you will find they are a great cost saver too.

- Removes dull spots, etches, and uneven surfaces quickly
- Shorter polishing times on the most difficult stone surfaces
- Better shine (higher gloss reading)



Part No.	Description
ZASHP040050A2	4" x 2.8mm x 5/8, 50 grit, Blue Backing
ZASHP040100A2	4" x 2.8mm x 5/8, 100 grit, Yellow Backing
ZASHP040200A2	4" x 2.8mm x 5/8, 200 grit, Orange Backing
ZASHP040400A2	4" x 2.8mm x 5/8, 400 grit, Red Backing
ZASHP040800A2	4" x 2.8mm x 5/8, 800 grit, Green Backing
ZASHP041500A2	4" x 2.8mm x 5/8, 1500 grit, Light Blue Backing
ZASHP043000A2	4" x 2.8mm x 5/8, 3000 grit, Brown Backing

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ZENESIS™ THIN VENEER BLADES

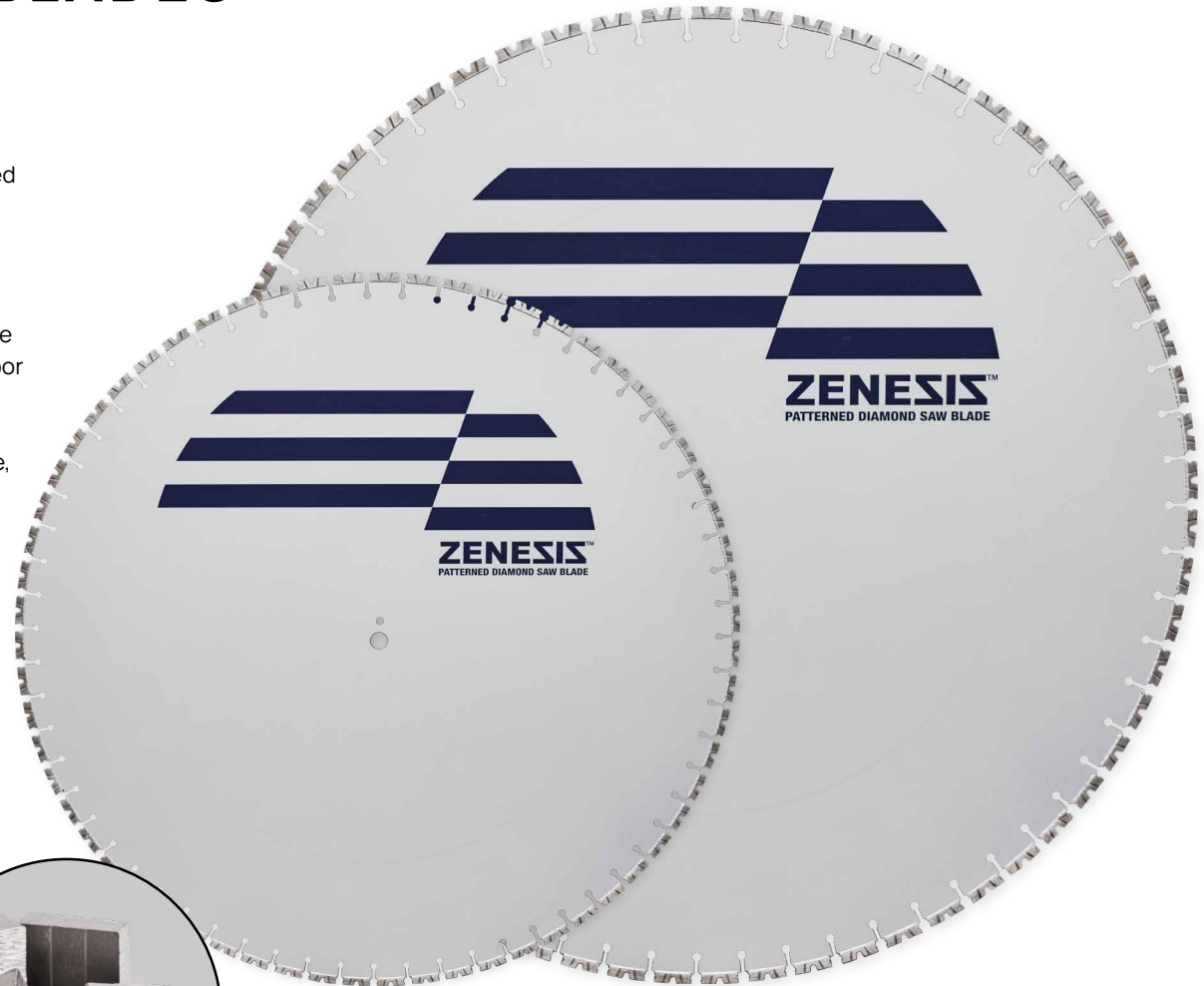
ZENESIS™ SLAB PROCESSING AND STONE VENEER BLADES use patented pattern diamond technology to provide maximum cutting performance at the lowest cost per cut. We offer a variety of different bond segments to cover virtually all natural stone.

Made in our Irvine, California manufacturing facility, we can quickly produce blades from 24" to 60". Our precision laser cutter can custom make any arbor size and bolt hole pattern.

- Blades available for Granite, Marble, Limestone, Sandstone, Quartzite, and other Natural Stone
- Cores available: Solid, Semi-Silent, Silent (limited sizes available for sandwich silent cores)

ZENESIS™ THIN VENEER SEGMENTS

- Offer a variety of different bond segments to cover virtually all natural stone
- Segments available for Granite, Marble, Limestone, Sandstone, Quartzite, and other Natural Stone
- Segments offered from 10mm, 15mm, 20mm
- Stand-alone segments also available for sale



ZENESIS™ BRIDGE SAW BLADES RPM & FEED RATE CHARTS

We recommend bridge saw blade to run between 6000 – 7700 surface feet per minute depending on the application material.
Please refer below to corresponding RPM speeds:

RPM

BLADE DIAMETER	MED. GRANITE	HARD GRANITE	QUARTZITE	MARBLE	SINTERED STONE
12"	2000 - 2300 RPM	1900 - 2100 RPM	1900 - 2100 RPM	3100 RPM	1900 - 2100 RPM
14"	1700 - 2000 RPM	1650 - 1800 RPM	1650 - 1800 RPM	2800 RPM	1650 - 1800 RPM
16"	1500 - 1800 RPM	1450 - 1600 RPM	1450 - 1600 RPM	2400 RPM	1450 - 1600 RPM
18"	1300 - 1600 RPM	1300 - 1400 RPM	1300 - 1400 RPM	2150 RPM	1300 - 1400 RPM
20"	1200 - 1450 RPM	1200 - 1300 RPM	1200 - 1300 RPM	1900 RPM	1200 - 1300 RPM

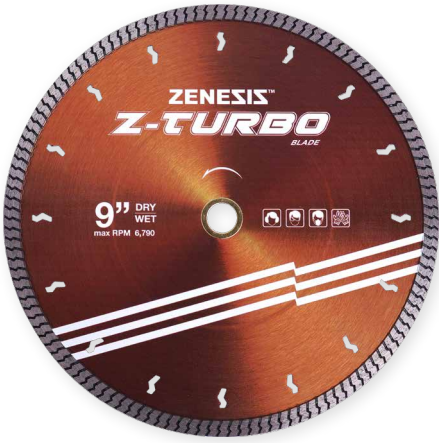
FEED RATES

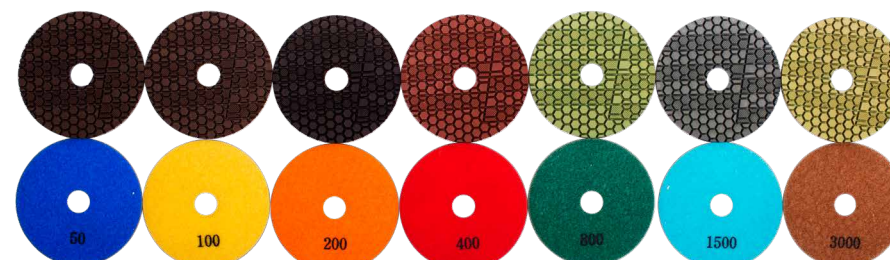
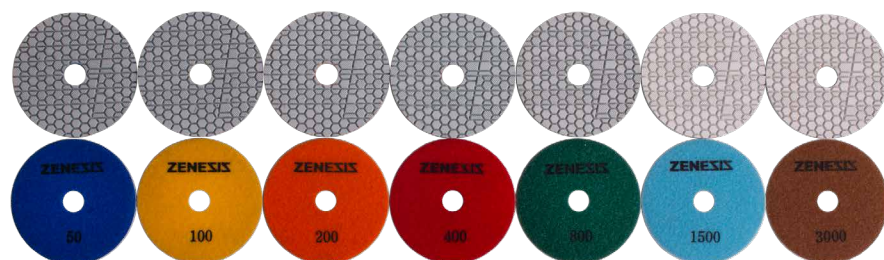
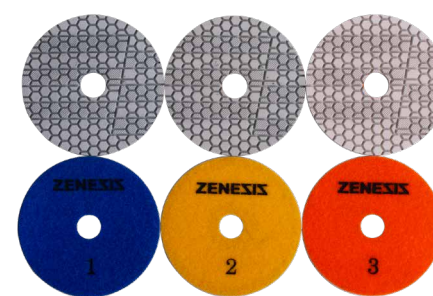
BLADE	MED. GRANITE	HARD GRANITE	QUARTZITE	MARBLE	SINTERED STONE
ZENESIS™ OBISIDIAN	5-17 ft./min.	5-17 ft./min.	1-5 ft./min.	5-9 ft./min.	3-8 ft./min.
ZENESIS™ BLACK 4	5-17 ft./min.	5-17 ft./min.	1-5 ft./min.	Not Recommended	Not Recommended
ZENESIS™ CARBON	5-17 ft./min.	5-17 ft./min.	5-17 ft./min.	Not Recommended	3-8 ft./min.
ZENESIS™ II	5-10 ft./min.	5-10 ft./min.	Not Recommended	Not Recommended	Not Recommended
ZENESIS™ MARBLE	Not Recommended	Not Recommended	Not Recommended	5-9 ft./min.	Not Recommended
ZENESIS™ QUARTZITE	5-17 ft./min.	5-17 ft./min.	4-10 ft./min.	Not Recommended	Not Recommended
ZENESIS™ Z-PATTERN BLADE	5-10 ft./min.	5-10 ft./min.	1-4 ft./min.	Not Recommended	Not Recommended

Optimal feed rates will vary depending on the saw being used.

We recommend starting at the lower rpm and feed rates provided above, and gradually increasing until the finish is no longer ideal and/or the amp draw reaches the manufacturer's recommended upper limit.

For miter cuts recommended feed rates should be reduced by 20 - 50%.





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