



ZENESIS™



table of contents

what is ZENESIS™ pattern technology? 3

saw blades 4

ZENESIS™ Z-Pattern Blade 4

ZENESIS™ Turbo Blade 5

ZENESIS™ Z-Turbo Blade 6

ZENESIS™ Continuous Rim Blade 7

ZENESIS™ Porcelain Tile Blade 8

ZENESIS™ Glass Tile Blade 9

core bits 10

ZENESIS™ Core Bit 10

ZENESIS™ Z-Core Bit 11

ZENESIS™ Z-Thin Wall Core Bit 12

CNC products 13

ZENESIS™ Finger Bit 13







milling products 14

ZENESIS™ Zero Tolerance Wheel 14

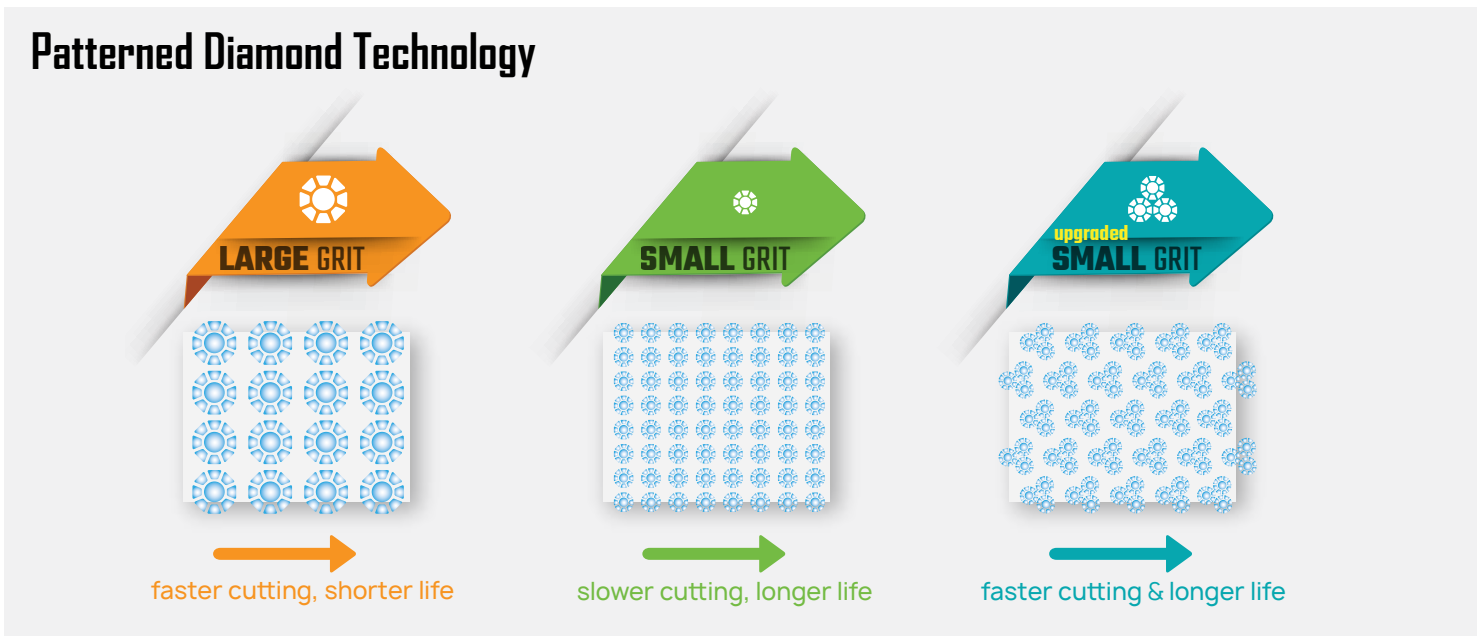
polishing products 15

ZENESIS™ Polishing Pads 15

icon description

	Dry Use		Circular Saw
	Wet Use		Tile Saw
	Bridge Saw		Angle Grinder

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

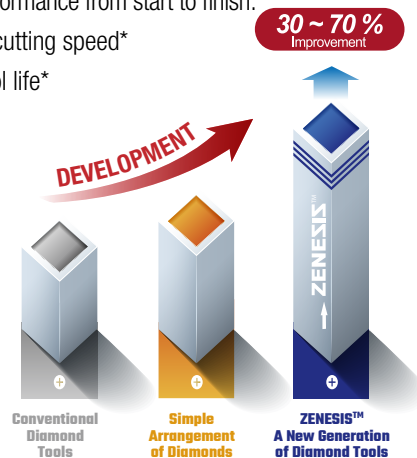
By combining layering techniques with extraordinary degree of precision, we ensure that our high-quality diamonds will always be evenly exposed throughout the segment to allow faster cutting and efficient debris removal. And we've rigorously exacted our manufacturing processes to ensure a perfect pattern – 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. Greater performance is delivered as this 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 1960's; 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 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*



Conventional Diamond Tools

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

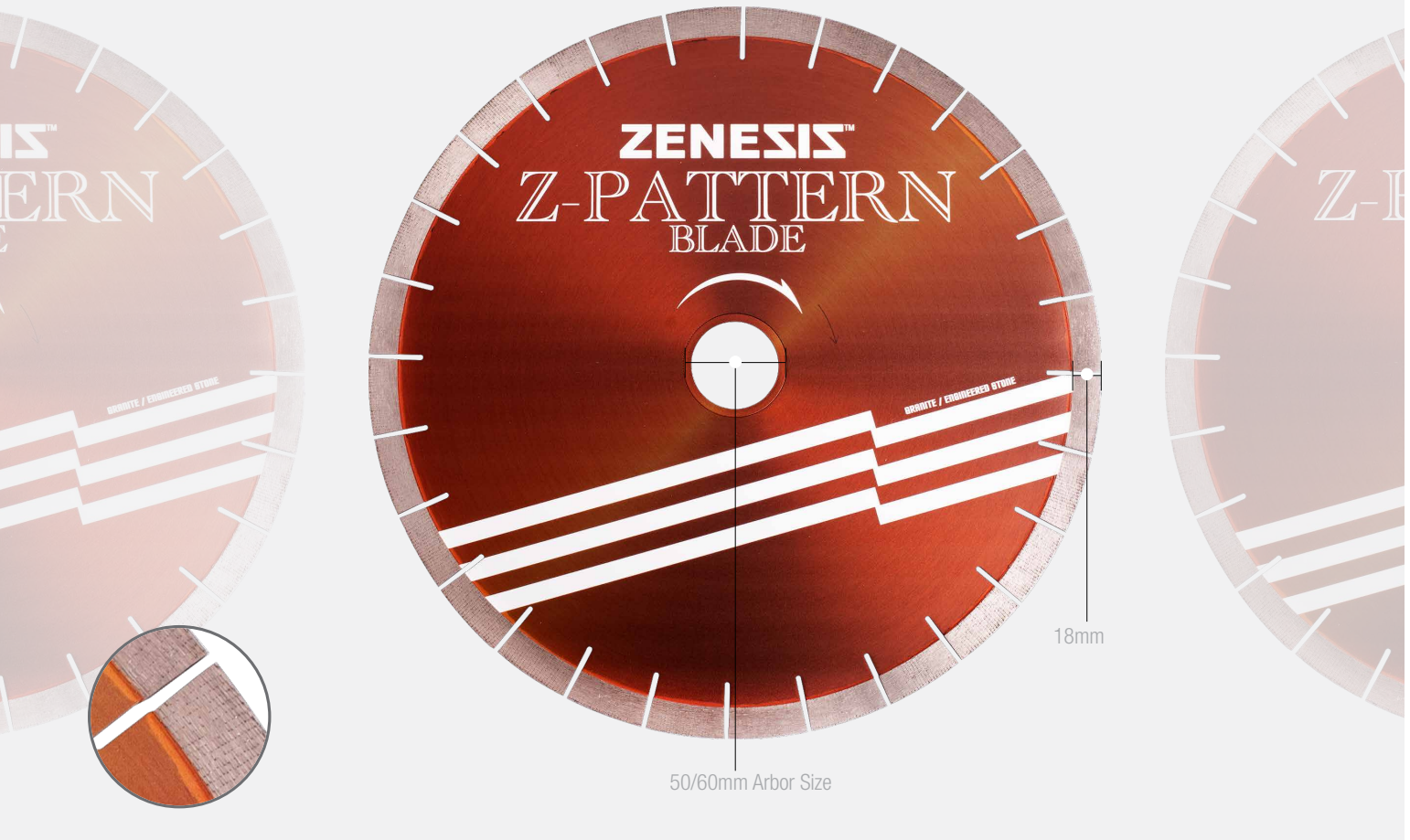
Simple Arrangement of Diamonds

- 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

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



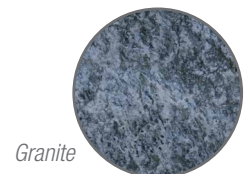
ZENESIS™ Z-Pattern Blade

bridge saw blades • 18mm • ZESG •  

Equipped with our unique ZENESIS™ pattern diamond technology, the ZENESIS™ Z-Pattern Blade is proven to deliver the fastest and cleanest cut available on the market. 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.

- Available with unique ZENESIS™ pattern diamond technology
- Wet only
- 18mm segment height

Part No.	Diameter	Segment	Arbor Size
S-1212LWZX4-ZP	12"	18mm	50/60mm
S-1412LWZX4-ZP	14"	18mm	50/60mm
S-1612LWZX4-ZP	16"	18mm	50/60mm
S-1814LWZX4-ZP	18"	18mm	50/60mm
S-2014LWZX4-ZP	20"	18mm	50/60mm





ZENESIS™ Turbo Blade

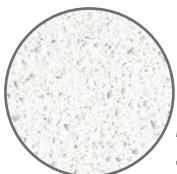
saw blades • ZRG •    

ZENESIS™ announces the third generation wet/dry granite turbo blades. Advancing on 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



Granite



Engineered Stone

Part No.	Diameter	Segment	Arbor Size
S-4510CDZTB3	4.5"	8mm	7/8-20mm-5/8, w/thunder hole, 4 flush cut, V2, Thunder
S-0510CDZTB3	5"	8mm	7/8-20mm-5/8, w/thunder hole, 4 flush cut, V2, Thunder
S-05310CDZTB3	5.3"	10mm	7/8-20mm-5/8, w/thunder hole, 4 flush cut, V2, Thunder
S-0610CDZTB3	6"	8mm	7/8-20mm-5/8, w/thunder hole, 4 flush cut, V2, Thunder
S-0710UDZTB3	7"	8mm	UA-5/8, w/thunder hole, 4 flush cut, V2, Thunder



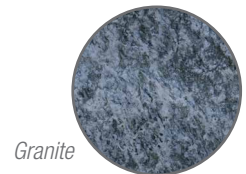
ZENESIS™ Z-Turbo Blade

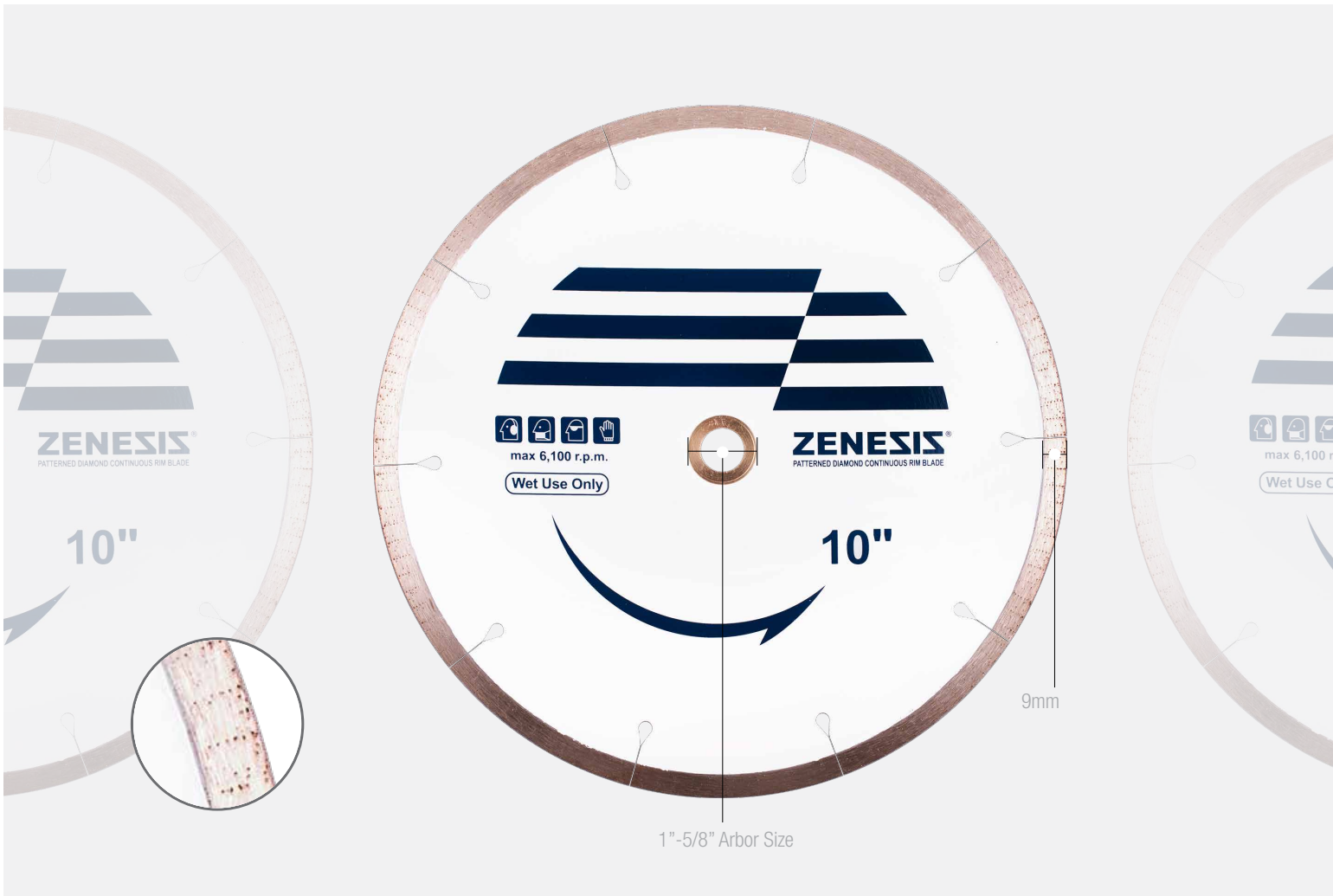
saw blades • 8mm • ZERG •    

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.

- Narrow turbo design reduces chipping
- 8mm segment height

Part No.	Diameter	Segment	Arbor Size
S-4508CDZETB2	4.5"	8mm	7/8-20mm-5/8, 4 flush cut, V2, Thunder
S-0508CDZETB2	5"	8mm	7/8-20mm-5/8, 4 flush cut, V2, Thunder
S-0609CDZETB2	6"	8mm	7/8-20mm-5/8, 4 flush cut, V2, Thunder
S-0709UDZETB2	7"	8mm	7/8-20mm-5/8, 4 flush cut, V2, Thunder





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.

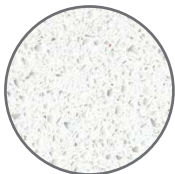
- Smooth cutting of porcelain, granite and other hard materials
- Use 4", 4.5", 5" and 6" wet or dry; all other sizes must be used wet



Porcelain



Granite



Engineered Stone

Part No.	Diameter	Segment	Arbor Size
S-0406CTZ	4"	6.5mm	7/8"-5/8"+20mm
S-4506CTZ	4.5"	6.5mm	7/8"-5/8"+20mm
S-0506CTZ	5"	6.5mm	7/8"-5/8"+20mm
S-0606CTZ	6"	6.5mm	7/8"-5/8"+20mm

Part No.	Diameter	Segment	Arbor Size
S-0706UTZ	7"	9mm	U/A (DM -5/8")
S-0806ETZ	8"	9mm	1"-5/8"
S-0806UTZ	8"	9mm	U/A (DM -5/8")
S-1008ETZ	10"	9mm	1"-5/8"
S-1208ETZ	12"	9.5mm	1"-5/8"
S-1208LTZ	12"	9.5mm	50/60mm
S-1408ETZ	14"	9.5mm	1"-5/8"
S-1408LTZ	14"	9.5mm	50/60mm



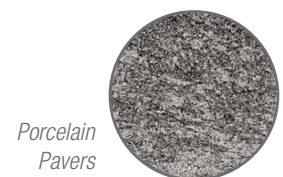
ZENESIS™ Porcelain Tile Blade

tile blades • 10mm • ZLW • 

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.

- Wet use only
- 10mm segment height for long life

Part No.	Diameter	Segment	Arbor Size
S-0406CWPZ	4"	10mm	7/8"-5/8"+20mm
S-4506CWPZ	4.5"	10mm	7/8"-5/8"+20mm
S-0709AWPZ	7"	10mm	5/8"
S-1006AWPZ	10"	10mm	5/8"



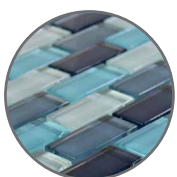


ZENESIS™ Glass Tile Blade

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
- Wet use only
- 7.5mm segment height for long life



Glass

Part No.	Diameter	Segment	Arbor Size
S-0406CWGZ	4"	7.5mm	7/8"-5/8"+20mm
S-4506CWGZ	4.5"	7.5mm	7/8"-5/8"+20mm
S-0706AWGZ	7"	7.5mm	5/8"
S-1006AWGZ	10"	7.5mm	5/8"

core bits



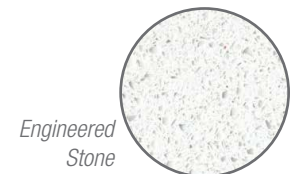
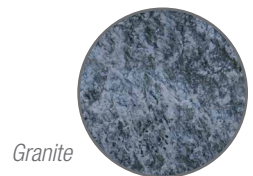
ZENESIS™ Core Bit

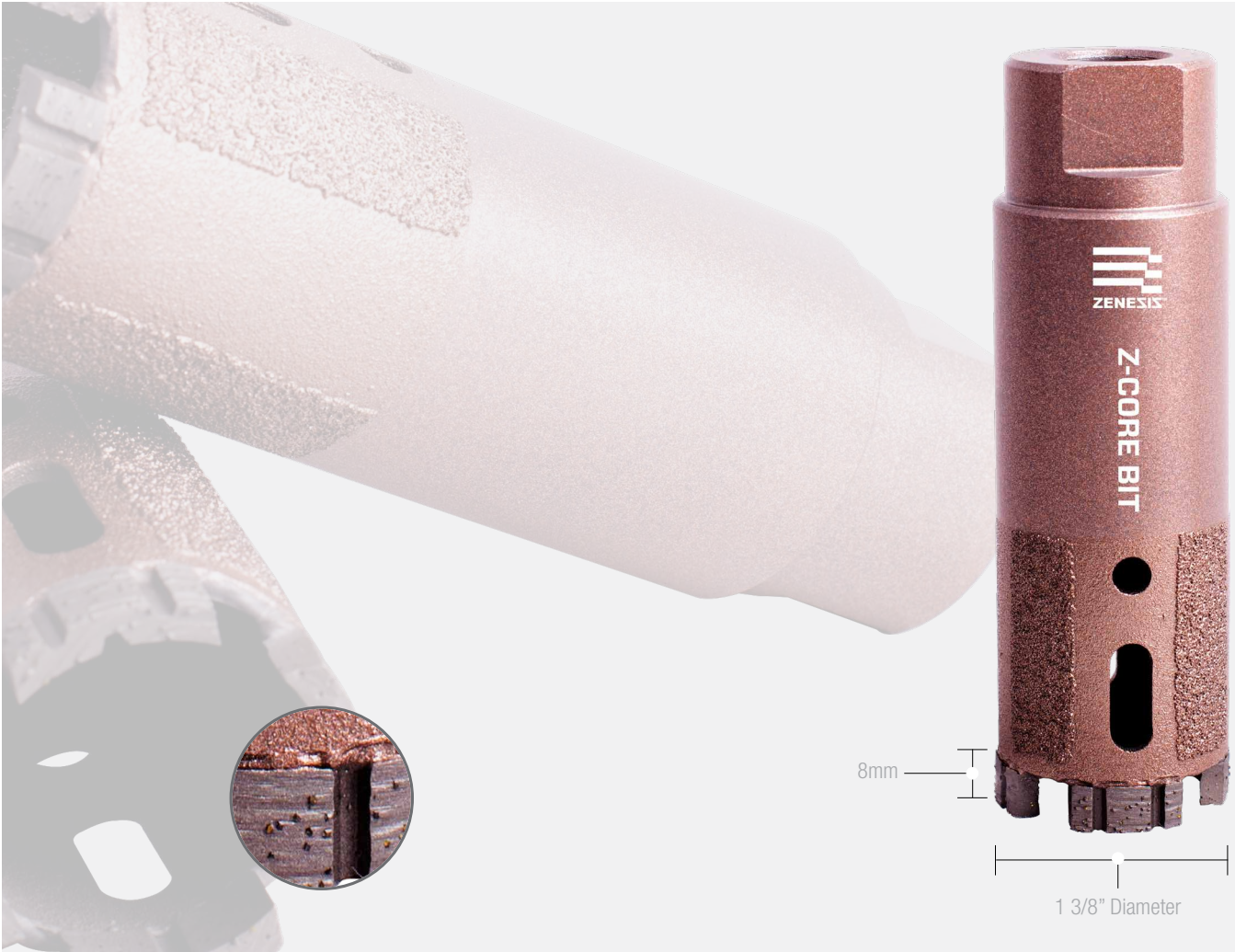
core bits • 8mm • ZDGUL •   

Our 3rd generation ZENESIS™ Core Bits are thoroughly engineered to achieve superior wet and dry coring of granite and engineered stone. Laser-welded segments, enlarged cooling holes, and generous side coating result in faster and cleaner cuts without even breaking a sweat. The ZENESIS™ Core Bit is manufactured with our most advanced pattern diamond technology to date, and is designed to outperform and outlast its competition.

- All-new design for enhanced performance
- Can be used wet or dry
- 8mm segment height

Part No.	Diameter	Segment	Arbor Size	Part No.	Diameter	Segment	Arbor Size
S-01212HDZX4	1-1/4"	8mm	5/8"-11 Threaded	S-02212HDZX4	2-1/4"	8mm	5/8"-11 Threaded
S-01312HDZX4	1-3/8"	8mm	5/8"-11 Threaded	S-02512HDZX4	2-1/2"	8mm	5/8"-11 Threaded
S-01512HDZX4	1-1/2"	8mm	5/8"-11 Threaded	S-03012HDZX4	3"	8mm	5/8"-11 Threaded
S-02012HDZX4	2"	8mm	5/8"-11 Threaded				





ZENESIS™ Z-Core Bit

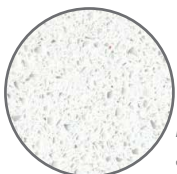
core bits • 8mm • ZEDGPL • ☀️💧

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
- 8mm segment height



Granite



Engineered Stone

Part No.	Diameter	Segment	Arbor Size
S-01012HDSBSLZX4	1"	8mm	5/8"-11
S-01212HDSBSLZX4	1 1/4"	8mm	5/8"-11
S-01312HDSBSLZX4	1 3/8"	8mm	5/8"-11
S-01512HDSBSLZX4	1 1/2"	8mm	5/8"-11
S-01712HDSBSLZX4	1 3/4"	8mm	5/8"-11
S-02012HDSBSLZX4	2"	8mm	5/8"-11

core bits



ZENESIS™ Z-Thin Wall Core Bit

core bits • 9.5mm • ZETWCB •  

The new ZENESIS™ Z-Thin Wall Core Bit provides excellent performance on all natural and engineered stones. It's thin wall delivers fast cutting and its clever design minimizes chipping. It is equipped with wrench flats for easy installation.

- Thin wall provide fast cutting
- Designed to minimize chipping
- Wet use only
- 9.5mm segment height

Part No.	Diameter	Segment	Arbor Size
S-00712HTWCBZ	3/4"	9.5mm	5/8"-11
S-01012HTWCBZ	1"	9.5mm	5/8"-11
S-01112HTWCBZ	1 1/8"	9.5mm	5/8"-11
S-01212HTWCBZ	1 1/4"	9.5mm	5/8"-11
S-01312HTWCBZ	1 3/8"	9.5mm	5/8"-11
S-01512HTWCBZ	1 1/2"	9.5mm	5/8"-11
S-01712HTWCBZ	1 3/4"	9.5mm	5/8"-11





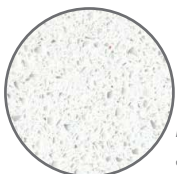
ZENESIS™ Finger Bit

finger bits • 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.



Granite

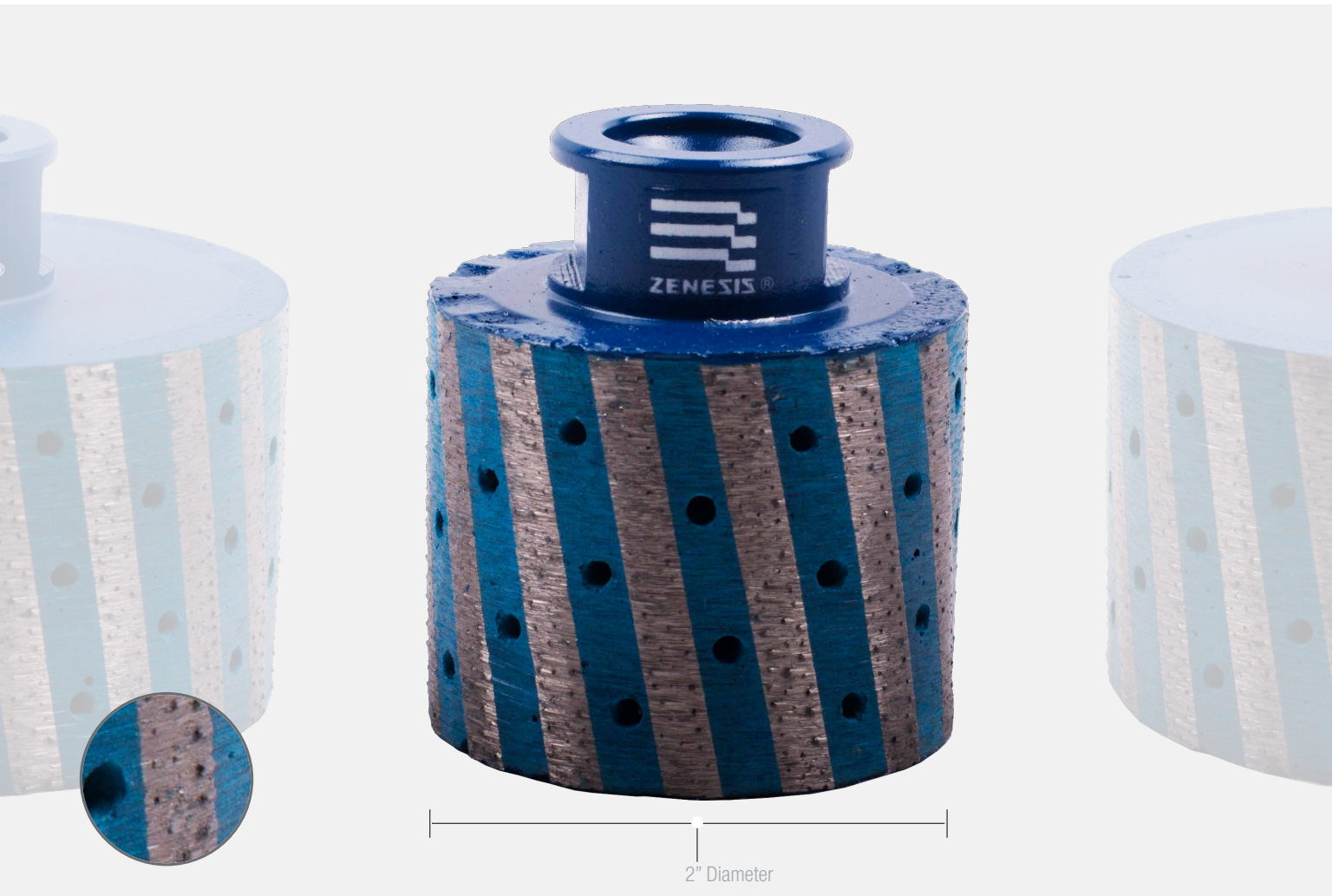


Engineered Stone

- 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
S-02040FBZX4-4	20mm x 1-5/8" x 1/2" Gas, 4 seg (40L-7W-3.5T)
S-02250FBZX4-4	22mm x 2" x 1/2" Gas, 4 seg (50L-7W-3.5T)
S-02040FBZX4-7	20mm x 1-5/8" x 1/2" Gas, 7 seg (40L-3W-4.0T)
S-02250FBZX4-7	22mm x 2" x 1/2" Gas, 7 seg (50L-7W-4.0T)

milling products



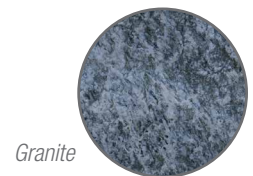
ZENESIS™ Zero Tolerance Wheel

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
S-2158ZTWZ4	2" x 1-5/8"	5/8"-11 Threaded
S-3158ZTWZ4	3" x 1-5/8"	5/8"-11 Threaded





ZENESIS™ Polishing Pads

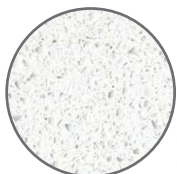
polishing pads • ZASHP • 

ZENESIS™ introduces an unmatched premium 7-Step Wet Polishing Pads. These new pads achieve the highest gloss readings after the 3000 grit level when polishing both white and black granite. Our unique design provides these pads with an exceptional lifespan.

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



All Natural Stone



Engineered Stone

Part No.	Description
S-4WPPZ-50	4" X 2.8mm X 5/8, 50 grit, Blue Backing
S-4WPPZ-100	4" X 2.8mm X 5/8, 100 grit, Yellow Backing
S-4WPPZ-200	4" X 2.8mm X 5/8, 200 grit, Orange Backing
S-4WPPZ-400	4" X 2.8mm X 5/8, 400 grit, Red Backing
S-4WPPZ-800	4" X 2.8mm X 5/8, 800 grit, Green Backing
S-4WPPZ-1500	4" X 2.8mm X 5/8, 1500 grit, Light Blue Backing
S-4WPPZ-3000	4" X 2.8mm X 5/8, 3000 grit, Brown Backing



diamondvantage.com