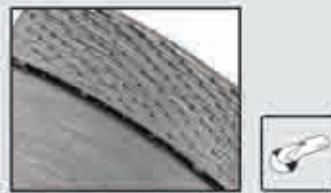


• SMALL DIAMETER DIAMOND BLADES



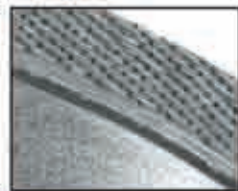
ZENESIS[®] pattern blades are the very best choice for all types of building materials.



MATERIAL	CODE	ANGLE GRINDER (DRY)
Hard materials, Granite, Fire brick	ZSH	•
Masonry, Concrete, Brick, Block	ZSM	•
Abrasive materials	ZSA	•

* Product range : 100 ~ 300mm.

• DIAMOND BLADES FOR HIGH SPEED CUT - OFF SAW



ZENESIS[®] pattern blades are designed for the construction professionals.



MATERIAL	CODE	BELOW 6HP (WET)	OVER 6HP (WET)
Reinforced concrete	ZHH	L	H
Hard materials, Granite, Fire brick	ZHM		
Masonry, Concrete, Brick, Block	ZHB		
Abrasive materials	ZHA		

* Product range : 300 ~ 500mm

• DIAMOND WIRE SAW



ZENESIS[®] wire saw is the best solution for a clean environment with significant reduction in dust, noise, and vibration.

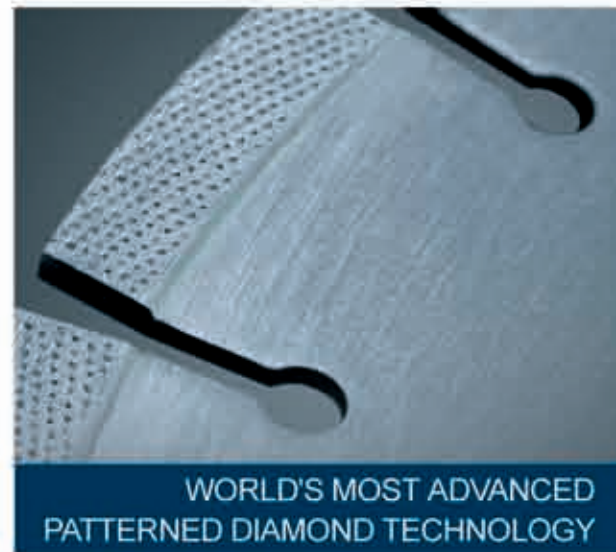
MATERIAL	CODE	BELOW 20KW (WET)	OVER 20KW (WET)
Reinforced concrete, Medium to hard aggregate	ZRG	L	H

* Product range : 10.5, 11mm

SMALL DIAMETER DIAMOND
BLADES

DIAMOND BLADES FOR
HIGH SPEED CUT - OFF SAW

DIAMOND WIRE SAW



WORLD'S MOST ADVANCED
PATTERNED DIAMOND TECHNOLOGY



ZENESIS[®]
WORLD'S MOST ADVANCED
PATTERNED DIAMOND TECHNOLOGY



Use approved safety guards and protective goggles.



EHWA DIAMOND IND. CO., LTD.

www.zenesis technology.com / salesinfo@ehwadia.co.kr

520-2, Won-dong, Osan-city, Gyeonggi-do, 447-804, Korea
Tel 82-31-370-9300 Fax 82-31-370-9191



ZENESIS® TECHNOLOGY

ZENESIS® is a platform technology that brings to life dramatic improvement in diamond tool performance by its ability to custom design and mass produce optimal patterns of diamonds based on application needs.

Conventional Diamond Tools

- Diamonds are randomly distributed
- Random variation results in inconsistent product performance.
- Trade-off is made between cutting speed and life

Simple Arrangement of Diamonds

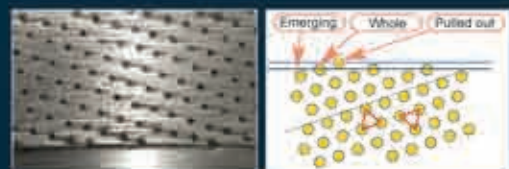
- Elimination of random distribution provides only marginal improvement in performance...
- ... and does not justify the increase in cost.

ZENESIS® Technology: A New Generation of Diamond Tools

- **WORLD FIRST** First to develop patterned diamond technology for the professionals
- **MOST ADVANCED** Maximizes performance with patented, optimally engineered diamond patterns for specific applications - much more advanced than a simple arrangement of diamonds
- **PERFORMANCE** Significantly improves both cutting speed and blade life - on average 30 - 70% improvement in performance

Inclined Triangular Structure

- **Design:** Inclined Triangular Structure
- **Concept:** Diamond pattern is designed to expose a pre-determined number of diamonds at an uninterrupted and regular sequence (consistency in wear progression).
- **Effect:** Consistent, smooth cutting performance throughout blade life.



Alternating Diamond Layers

- **Design:** Alternating Diamond Layers
- **Concept:** Diamond layers are patterned to control the height of diamond exposure and the length of diamond "tail" and to create channels optimized for debris removal.
- **Effect:** Significant improvement in both cutting speed and life.

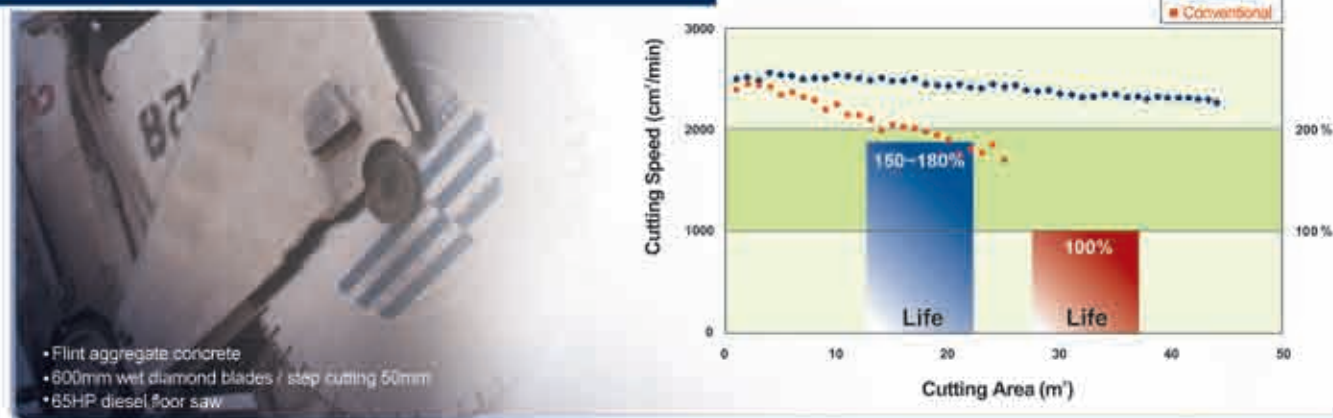


PERFORMANCE

ZENESIS® vs. CONVENTIONAL

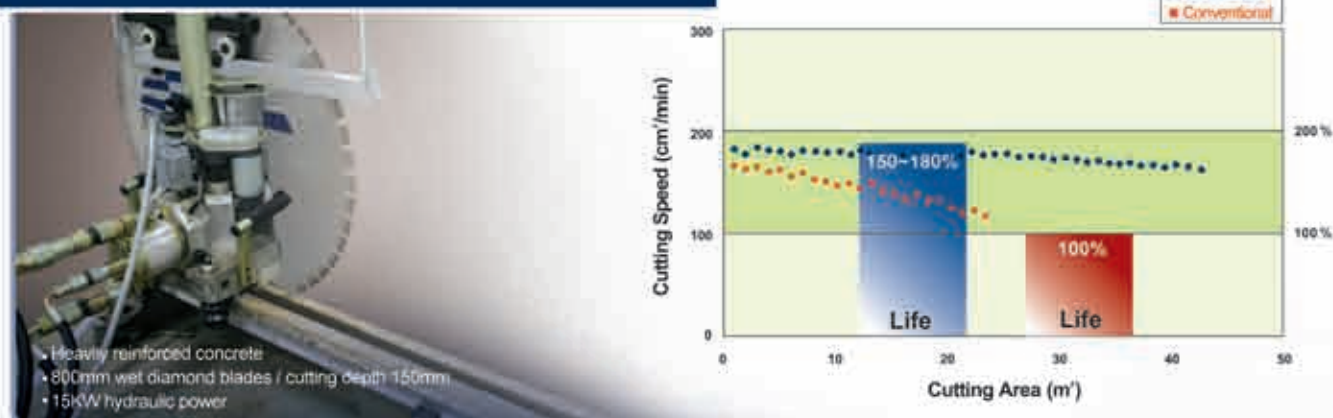
DIAMOND BLADES FOR FLOOR SAW

Far extended life and excellent cutting speed on the hardest aggregate concrete



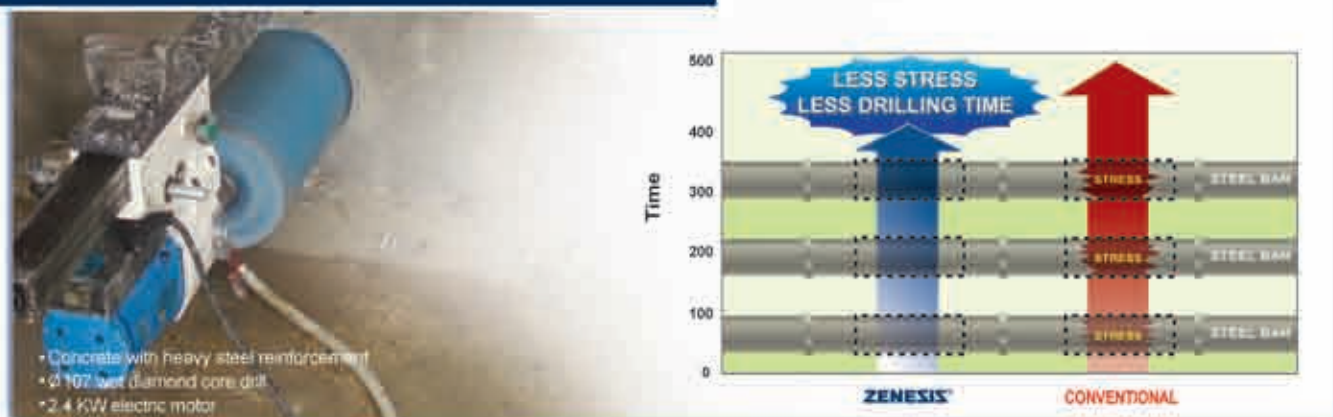
DIAMOND BLADES FOR WALL SAW

The ultimate cutting solution with extremely long life and speed on heavily reinforced concrete

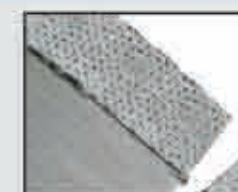


DIAMOND CORE BITS

High drilling speed through concrete with heavy steel reinforcement



DIAMOND BLADES FOR FLOOR SAW



ZENESIS® technology provides professionals with the cutting speed and durability they need on every job.



MATERIAL	CODE	BELOW 20HP (WET)	20-50HP (WET)	OVER 65HP (WET)
Hardest flint / river gravel aggregate, heavily reinforced	ZCF			
Hard to medium aggregate, moderately reinforced	ZCG	L	M	H
Medium to soft aggregate, lightly reinforced	ZCL			
Green concrete, hard aggregate	ZGF			
Green concrete, hard to medium aggregate	ZGG	L	M	H
Green concrete, medium to soft aggregate	ZGL			
Asphalt over concrete overlay	ZAC			
Asphalt, hard to medium aggregate	ZAG	L	M	H
Asphalt, abrasive sand	ZAL			

* Product range : 300 ~ 1600mm

DIAMOND BLADES FOR WALL SAW



ZENESIS® wall saw blades guarantee the quality of your work on heavily reinforced materials.



MATERIAL	CODE	BELOW 10KW (WET)	10-20KW (WET)	OVER 20KW (WET)
Hardest aggregate, heavily reinforced	ZWH			
Hard to medium aggregate, moderately reinforced	ZWG	L	M	H
Medium to soft aggregate, lightly reinforced	ZWL			

* Product range : 500 ~ 1600mm

DIAMOND CORE BITS



ZENESIS® core bits are designed for all types of drilling applications including walls, floor, road etc.



MATERIAL	CODE	BELOW 3KW (WET)	OVER 3KW (WET)
Hardest aggregate, heavily reinforced	ZDH		
Hard to medium aggregate, moderately reinforced	ZDG	L	H
Abrasive materials, asphalt	ZDA		

* Product range : 40 ~ 500mm

DEVELOPMENT

Conventional Diamond Tools

Simple Arrangement of Diamonds

30 ~ 70 % Improvement

ZENESIS® Technology

A New Generation of Diamond Tools