



Specialist for laser welded
Diamond cutting blades

DAEJIN DIAMOND



Daejin Diamond Co., Ltd.

#69, Dorim-ri, Ipjang-myeon, Seobuk-gu, Cheonan-city, Chungnam-province, South Korea
Tel : 82-41-587-5600 / 82-70-8240-8895 [English] / 82-70-8240-8896 [Japanese] / Fax : 82-41-587-5603
E-mail : djdiamond98@daum.net / djdiamond98@naver.com / Website : www.djdns.co.kr

<http://www.djdns.co.kr>



The Great Treasure
DAEJIN DIAMOND

Great Treasure DAEJIN DIAMOND

“Daejin Diamond Co., Ltd.” is the leading manufacturer of high quality diamond cutting and grinding tools. Established 1987, we started as manufacturer for sintered diamond cutters and became one of the leading manufacturer and developer for top level laser welded blades in Korea.

Today, we apply our innovative production technology combined with the newest production equipment and satisfy our customers' needs in more than 50 countries all over the world, including the highly competitive local market. We are continuously keeping pace with increasing customer requirements by developing unique and high performance products using state-of-the-art technology.

Our flexible structure enable us to control our quality and lead-time very effectively. In this way, we provide the best customer service and keep up trustworthy long-term relationships to

our customers. We are proud to offer you best quality products at competitive prices as a total solution manufacturer for various kinds of cutting and grinding tools. By manufacturing and developing high qualified products, we strive to distinguish ourselves from competitors and low quality products.

High quality diamond tools are our business, that's why we are looking for those who look for quality!



Daejin Diamond Our competitive edge at a glance



Highly developed technology drawn from 30 years of R&D



Continuously updated automatized production system and strict quality control



Flexibility in responding to the customer's request



Customization and development for individual and special needs



In-time and short delivery



Quick response within 24 hours

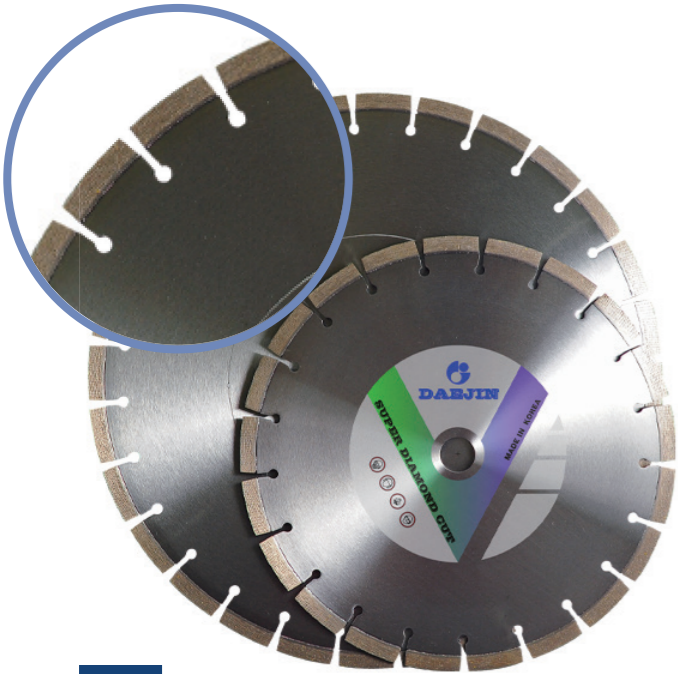
ADAS Automatic Diamond Arrayed System

Higher technology & value with ADAS

ADAS means Automatic Diamond Array System as diamond evenly spaced in 3 dimensional uniform patterns.

ADAS technology ensures to maximize the efficiency of cutting speed & life and offer you the optimized best cutting solution.

ADAS technology combined with a various kinds of performed-well designed segments enable to double total cutting performance by creating a synergy effect.



01

Construction / Stone / ADAS
ADAS Laser Blade

Description

Higher technology & value with ADAS (Automatic Diamond Array System)

Multi layers with zigzag pattern one by one

Zigzag patterns allow diamond worn out fairly and work up to the end without loss

Extremely fast cut & long duration

Very popular for floor saw and road saw blades

Professional

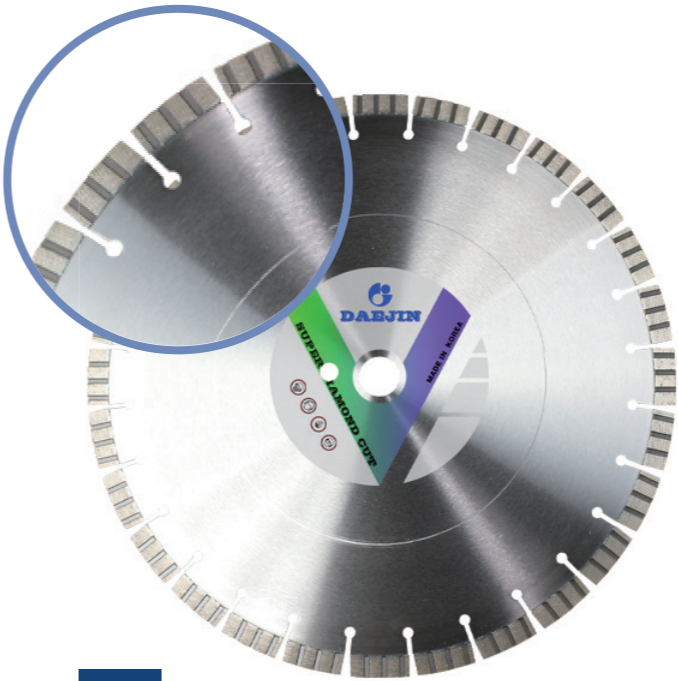
Application

Universal, (Reinforced) Concrete, Green Concrete, Asphalt, Building Materials, Brick/Block, Masonry, Granite, Stone

Specification

Dia. 7"(180mm) to 40"(1000mm) available

9mm/12mm/13mm/15mm tall segment available



02

Construction / Stone / ADAS
ADAS Turbo Laser Blade

Description

Higher technology & value with ADAS (Automatic Diamond Array System)

Combination of Turbo segment and ADAS technology maximize the cutting performance

Excellent for hard concrete with heavy reinforcement

Very popular for hand saw blades

Professional

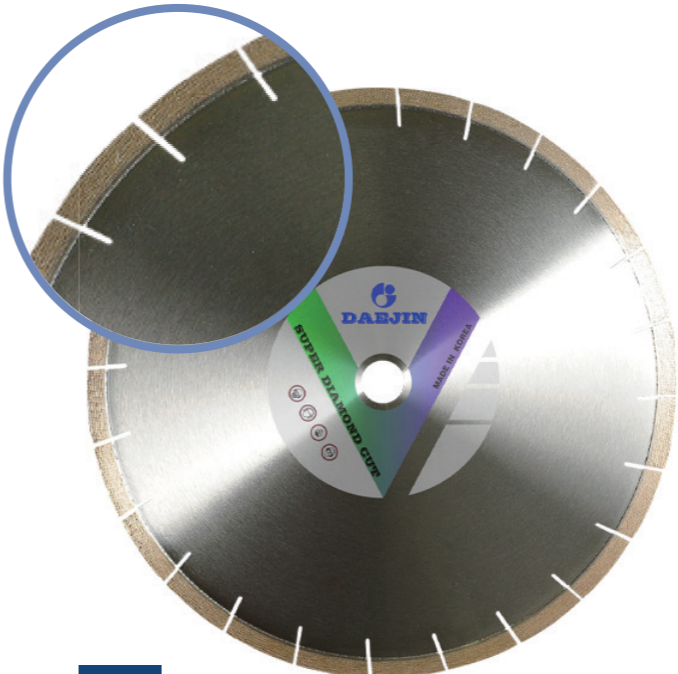
Application

Universal, (Reinforced) Concrete, Green Concrete, Asphalt, Building Materials, Brick/Block, Masonry, Granite, Stone

Specification

Dia. 7"(180mm) to 40"(1000mm) available

12mm/13mm/15mm tall segment available



03

Construction / Stone / ADAS
ADAS Laser Rim Blade

Description

Higher technology & value with ADAS (Automatic Diamond Array System)

Extremely fast & smooth cut

Chip-free & clean cutting edge with narrow segment spacing

Low noise

Application

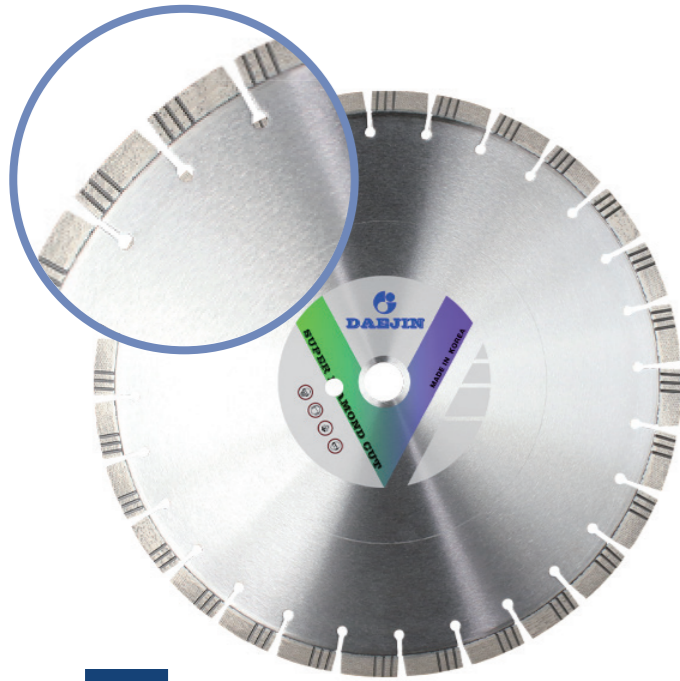
Hard Materials, Brick/Block, Refractory, Granite, Marble, Limestone, Sandstone

Specification

Dia. 12"(300mm) to 24"(600mm) available

12mm tall segment

Single ply or copper sandwich core available on request



04

Construction / Stone / ADAS

ADAS Combo Blade

Description

Higher technology & value with ADAS (Automatic Diamond Array System)

Unique design

Very fast cut with considerable lifetime by combined half flat and turbo segment cross each other in both sides

Very popular for wall saw/floor saw blades

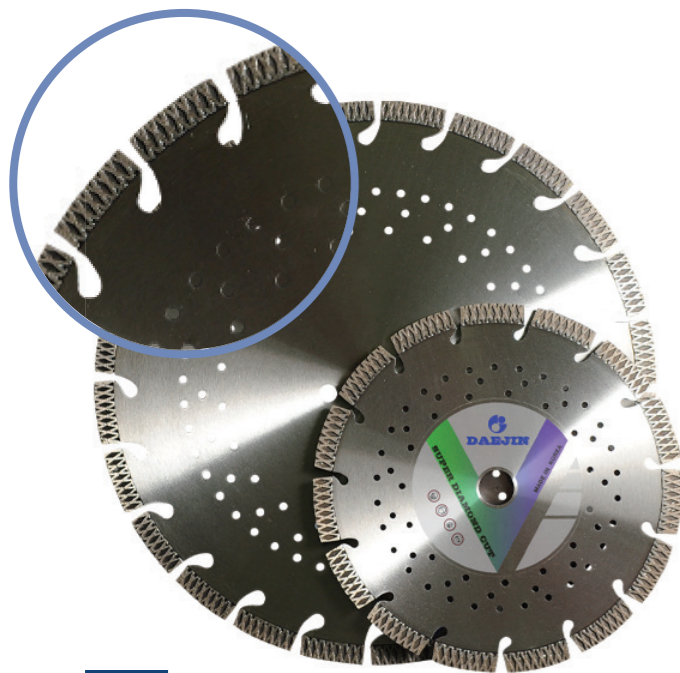
Application

Universal, (Reinforced) Concrete, Green Concrete, Asphalt, Building Materials, Brick/Block, Masonry, Granite, Stone

Specification

Dia. 9"(230mm) to 40"(1000mm) available

15mm tall segment



05

Construction / Stone

X-Cut Laser Blade

Description

Unique design

"X" patterned turbo segments enable to cut faster and smoother

Drop shaped slots and air cooling holes help cut straight

Very good cutting performance with considerable lifetime

Best multi-purpose blade

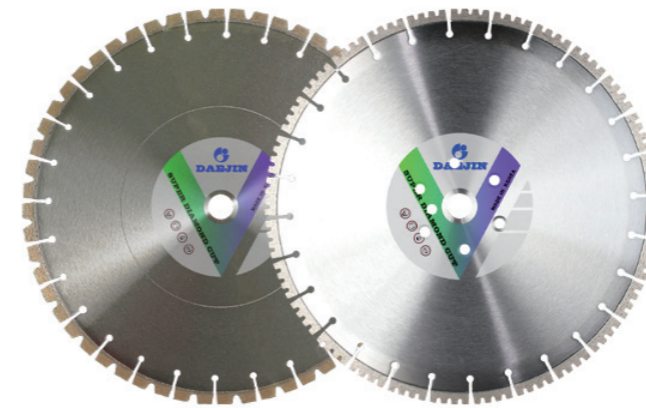
Application

Universal, (Reinforced) Concrete, Brick/Block, Building Materials, Masonry, Granite, Stone

Specification

Dia. 4.5"(115mm) to 24"(600mm) available

12mm tall segment



06

Construction / Stone

Castellated Laser Blade

Description

Extremely fast cut with castellated configuration due to split segment effect

Dented segment shape enables effective cooling and sludge removal

Highest safety standards for welding strength of 40mm long segment compared to split segmented

Very popular for wall saw blades

Professional

Application

(Reinforced) Concrete, Building Materials, Granite

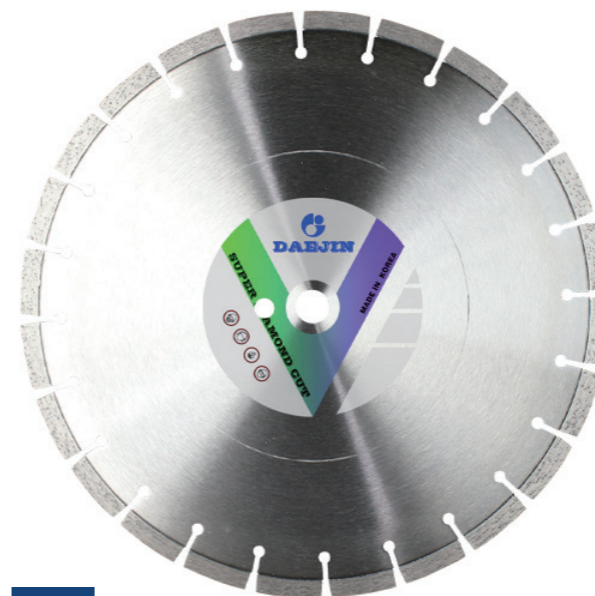
Specification

DDia. 12"(300mm) to 40"(1000mm) available

12mm tall segment

Single/Triple type available on request

Flushcut holes pattern available on request



07

Construction / Stone / Special Working&Engineering

Laser Thin Blade

Description

Very fast & sharp cut

Excellent for cutting with abrasive cut-off machine

Application

Brick/Block, Rebar, Steel Pipe, Aluminum Tube, Cast Iron

Specification

Dia. 10"(250mm)/12"(300mm)/14"(350mm) available

2.1mm thick segment available

10mm tall segment



08

Construction / Stone / Special Working & Engineering

Xrushcut Laser Blade

Description

Unique design

Advanced technology with special bonding systems to cut all kinds of construction materials and masonry

Extremely fast cuts due to 20mm short segment with alternating flat and turbo shape

Efficient to cut straight with air cooling holes and slanted gullets removing sludge easily

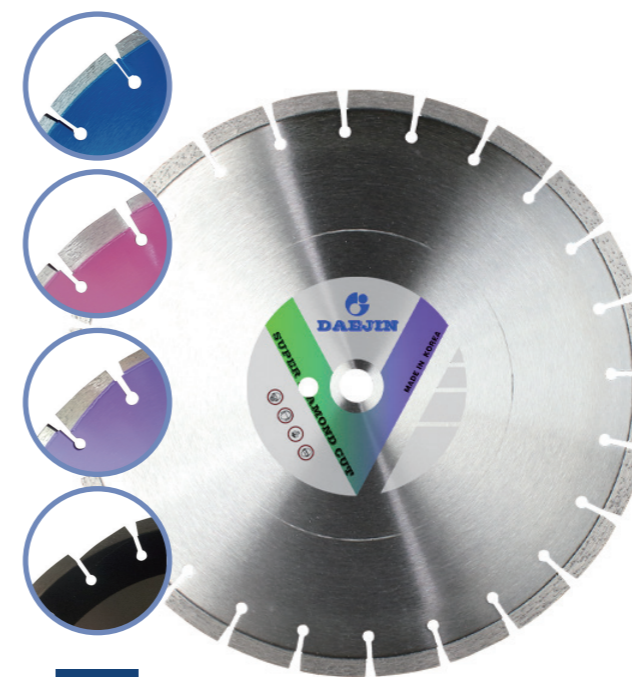
TCT insert for undercut protection while cutting abrasive materials like asphalt, green concrete, block, etc.

Application

Universal, (Reinforced) Concrete, Green Concrete, Asphalt, Masonry, Brick/Block, Refractory, Ductile Iron, Stone

Specification

Dia. 12"(300mm)/14"(350mm)/16"(400mm) available
10mm tall segment



10

Construction / Stone

Normal Laser Blade

Description

Universal & economical

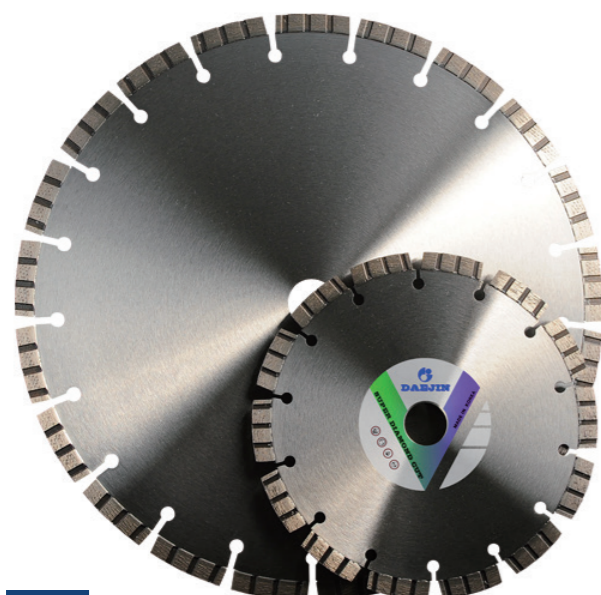
Applicable for a wide range of materials due to customized bond

Application

Universal, (Reinforced) Concrete, Green Concrete, Asphalt, Building Materials, Brick/Block, Masonry, Granite, Stone

Specification

Dia. 4"(100mm) to 40"(1000mm) available
4 types of undercut protection available
(TCT / Deep / Drop / Slanted)



09

Construction / Stone

Turbo Laser Blade

Description

Fast cut with long lifetime

Good performance at economical cost

Best multi-purpose blade

Application

Universal, (Reinforced) Concrete, Building Materials, Masonry, Brick/Block, Granite, Stone

Specification

Dia. 4"(100mm) to 24"(600mm) available
10mm/12mm/15mm tall segment available



11

Construction

Vane Laser Blade

Description

Very aggressive

Extremely fast cut by removing sludge easily with wider slanted slots

Air cooling holes help cut straight

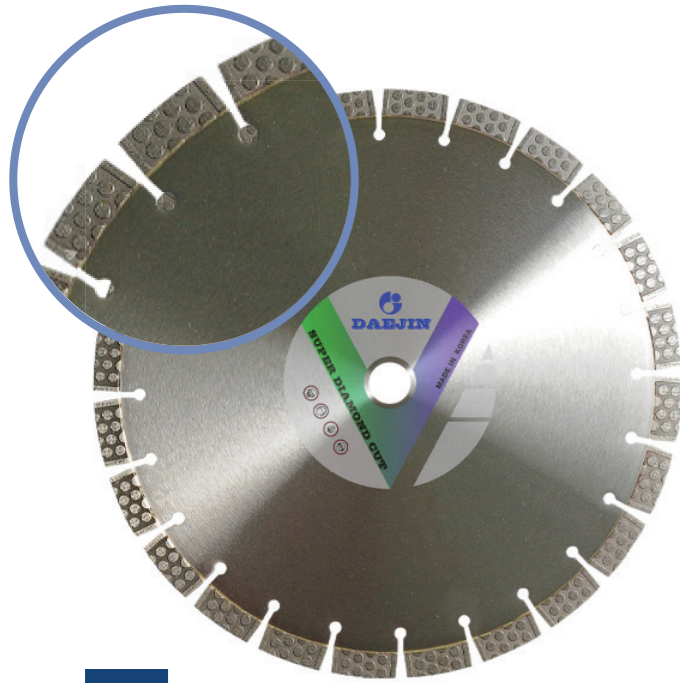
Very popular for hand saw blades

Application

Universal, (Reinforced) Concrete, Building Materials, Brick/Block

Specification

Dia. 12"(300mm) to 20"(500mm) available
10mm/12mm/15mm tall segment available
3 Types(Flat/Turbo/Combined) available on request



12

Construction / ADAS

ADAS Embossing Laser Blade

Description

Unique design

Higher technology & value with ADAS (Automatic Diamond Array System)

Special turbo segments allow to cut fast and smooth

Long duration due to ADAS technology

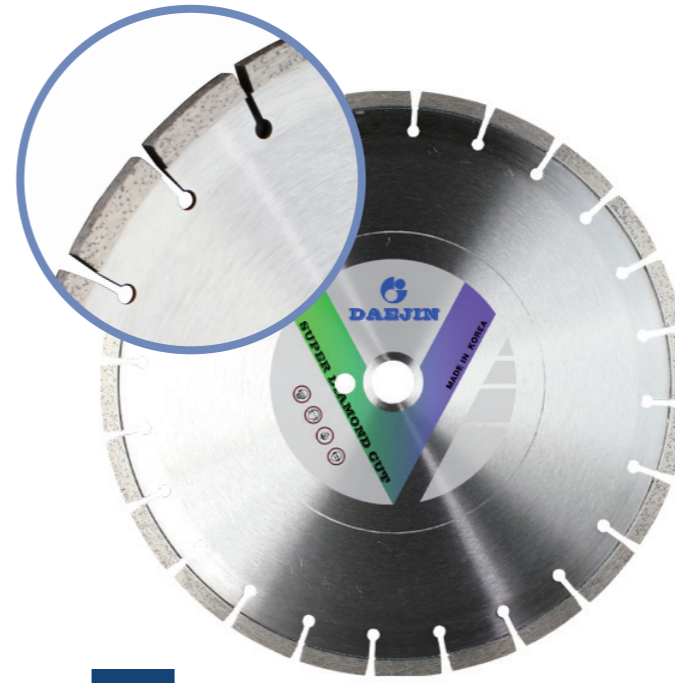
Application

Universal, (Reinforced) Concrete, Brick/Block, Building Materials, Masonry

Specification

Dia. 9"(230mm) to 24"(600mm) available

12mm/13mm/15mm tall segment available



14

Construction

Looping Laser Blade

Description

Extra widening for traffic loop and expansion joints

Start to cut very soft and smooth with stable good bonding systems

Application

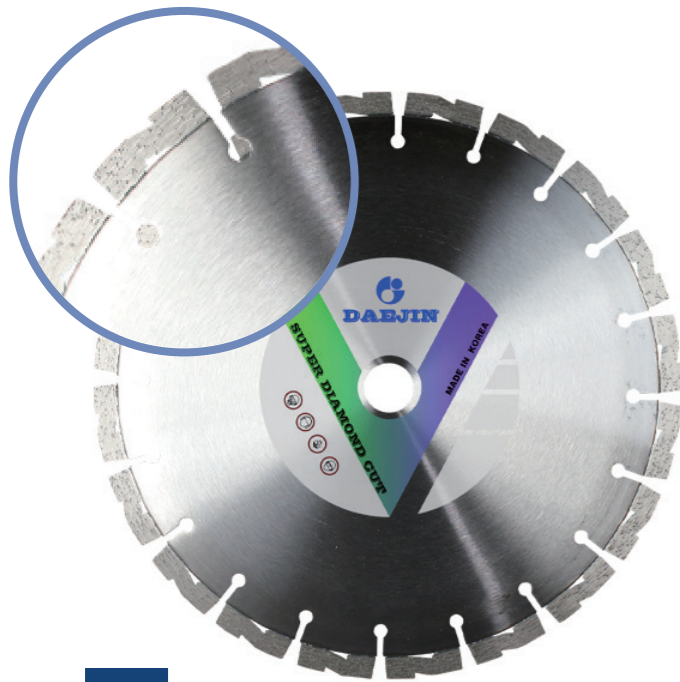
Cured Concrete, Green Concrete, Asphalt

Specification

Dia. 12"(300mm)/14"(350mm)/16"(400mm) available

8mm/9.5mm/10mm/12.7mm/15mm thick available

8mm/10mm/12mm wide available



13

Construction

"Z" Laser Blade

Description

Unique design

Very aggressive with "Z" shaped segment configuration

Very fast cut by removing sludges easily with a couple of grooving in a segment

Application

Universal, (Reinforced) Concrete, Brick/Block Building Materials

Specification

Dia. 12"(300mm)/14"(350mm)/16"(400mm) available

10mm tall segment



15

Construction

Grooving Laser Blade

Description

Very soft & clean cut

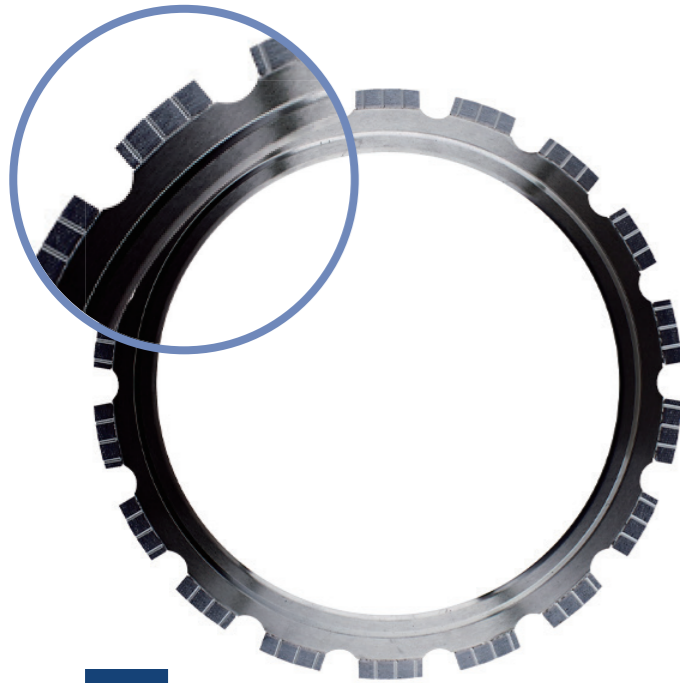
Excellent to groove the surface of runway/highway to improve grip and drainage

Application

Cured Concrete, Green Concrete, Asphalt

Specification

Dia. 6"(150mm) to 14"(350mm) available



16

Construction / ADAS

ADAS Turbo Ring Saw Blade

Description

Higher technology & value with ADAS (Automatic Diamond Array System)

Combination of Turbo segment and ADAS technology maximize the cutting performance

Much faster & longer lifetime compared to conventional blade with 32mm segment

Excellent for hard reinforced concrete

Application

(Reinforced) Concrete, Green Concrete, Asphalt

Specification

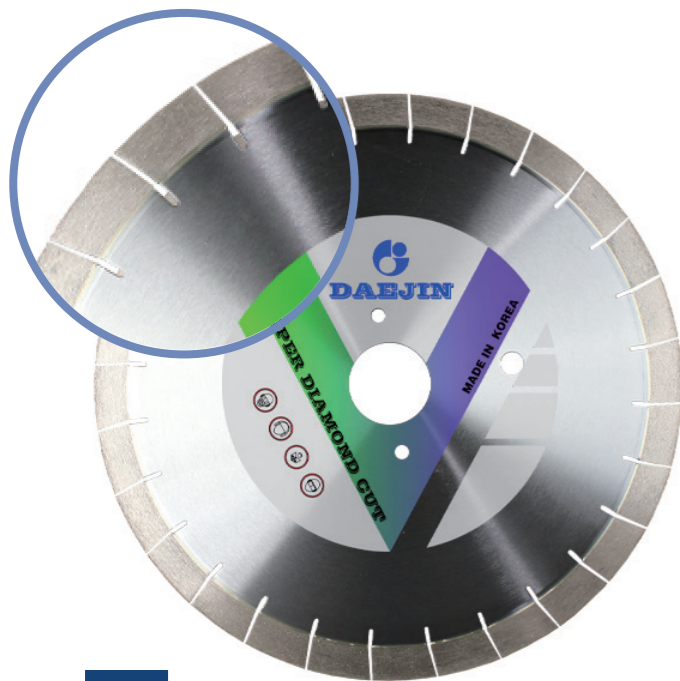
Unit : mm

Dia.	Inch (mm)	14" (370)	16" (410)
Segment Dimension	Long	40	40
	Thick	4.0	4.0
	Wide	12/13	12/13
	No.	18	24

Laser welded

Flat segment available on request

Drive wheel(roller) available on request



17

Stone / ADAS

Ultra ADAS Silent Blade

Description

Higher technology & value with ADAS (Automatic Diamond Array System)

Very good soft bonds enable to cut faster and smoother

Extended lifespan with 25mm tall segment

Chip-free & clean cutting edge with narrow segment spacing

Silent effect with copper clad sandwich core

Very popular for bridge saw blades

Application

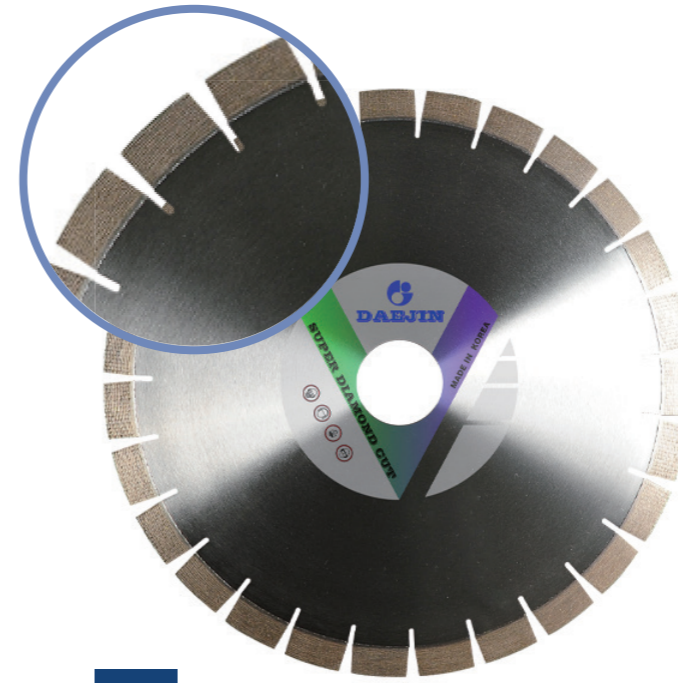
Granite, Marble, Limestone, Sandstone, Quartzite, Dekton

Specification

Silver brazed

Dia. 14"(350mm) to 20"(500mm) available

25mm tall segment



18

Stone / ADAS

Laser Silent Blade

Description

Economical with good price-performance ratio

Fairly good performance

Long duration with 20mm/22mm tall segment

Silent effect with copper clad sandwich core

Application

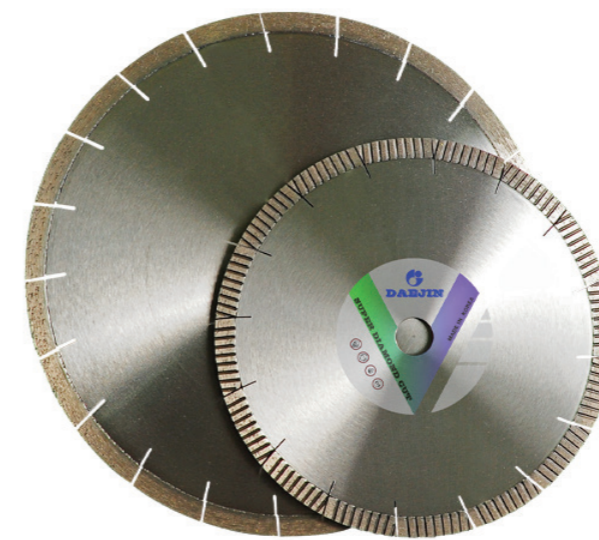
Granite, Marble, Limestone, Sandstone

Specification

Laser welded

Dia. 12"(300mm) to 24"(600mm) available

20mm(random)/22mm(pattern/ADAS) available on request



19

Stone

Super Rim Blade

Description

Unique design

Higher quality & performance with a wide variety of excellent and superior bonds compared to ordinary sintered rim cutters

Chip-free & clean cutting edge with narrow segment spacing

Low noise

Application

Granite, Marble, Limestone, Sandstone, Dekton, Porcelain, Ceramic, Tile

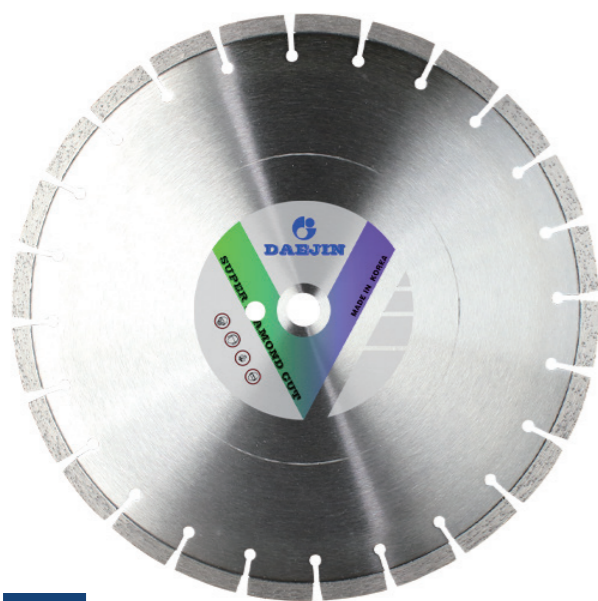
Specification

Laser welded / Silver brazed available on request

Dia. 12"(300mm) to 24"(600mm) available

12mm tall segment

Flat/Turbo segment available on request



20

Special Working & Engineering
Refractory Blade

Description

Varied good soft bonds depending on each different refractory materials

Fast cut & long duration

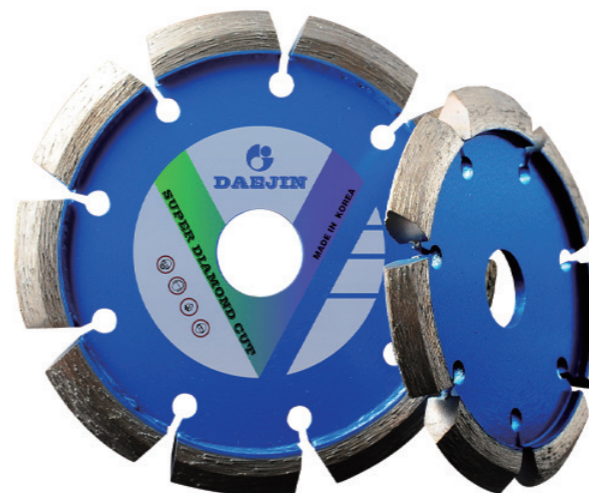
Application

Refractory, Firebrick, Hard Brick

Specification

Laser welded or Silver brazed available on request

Dia. 14"(350mm) to 20"(500mm) available



22

Construction
Crack Chaser

Description

"V" shaped segments enable to cut faster and sharper

Very effective to route and repair cracks

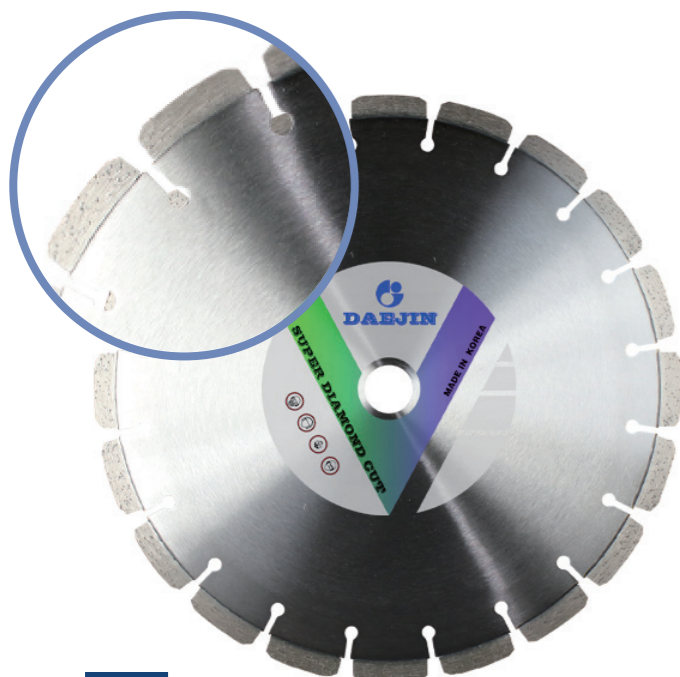
Application

Cured Concrete, Mortar, Building Materials, Brick/Block

Specification

Unit : mm

Dia.	Inch (mm)	4" (100)	4.5" (115)	5" (125)	7" (180)
Segment Dimension	Long	32	32	32	32
	Thick	9.6	9.6	9.6	9.6
	Wide	12(5+7)	12(5+7)	12(5+7)	12(5+7)
	No.	7	8	9	14



21

Special Working & Engineering
Grindstone Laser Blade

Description

Very soft cut & chip-free with rounded diagonal segment in both edges

Special good bond in higher diamond concentration allows to cut it perfectly well

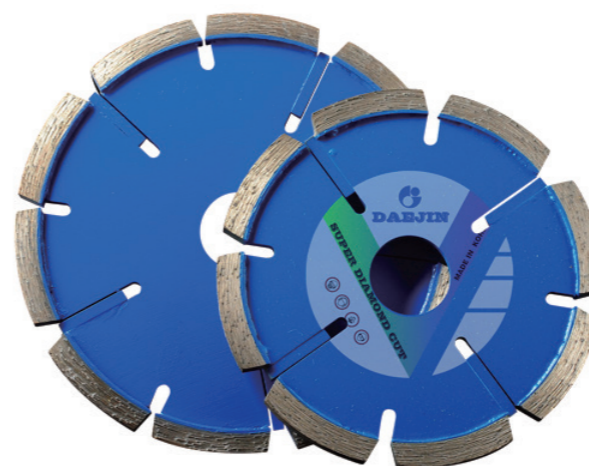
Application

Grindstone

Specification

Dia. 10"(250mm)/12"(300mm)/14"(350mm) available

1.7/1.9mm thick available



23

Construction / Stone
Tuck Pointing Blade

Description

Effective joint cutting, widening and repairing

Efficient mortar raking and stone working

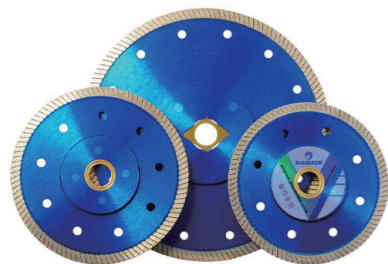
Application

Cured Concrete, Mortar, Building Materials, Granite, Brick/Block

Specification

Unit : mm

Dia.	Inch (mm)	4" (100)	4.5" (115)	5" (125)	7" (180)
Segment Dimension	Long	32	32	32	32
	Thick	6.4/8.0	6.4/8.0	6.4/8.0	6.4/8.0
	Wide	10	10	10	10
	No.	8	9	10	14



24

Stone

Thin Turbo Cutter

Description

Very sharp & clean cutting surface
Fine and chip-free cutting
Straight cut & low noise with both rivet reinforced core

Application

Porcelain, Ceramic, Tile, Granite

Specification

Unit : mm

Dia.	Inch (mm)	4" (100)	4.5" (115)	5" (125)	6" (150)	7" (180)	9" (230)	10" (250)	12" (300)	14" (350)
Rim Dimension	Thick	1.2	1.2	1.2	1.2	1.6	1.6	1.6	2.0	2.0
	Wide	7	7	7	7	7	7	7	7	7

Description

Very fast & smooth cut
Chip-free & clean cutting edge
Straight cut & low noise with both rivet reinforced core
Very popular for tile cutters

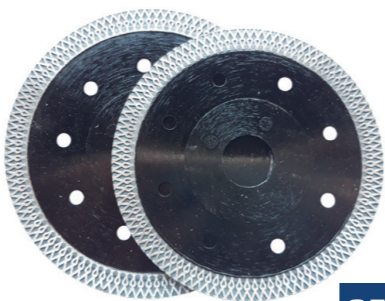
Application

Porcelain, Ceramic, Tile, Granite

Specification

Unit : mm

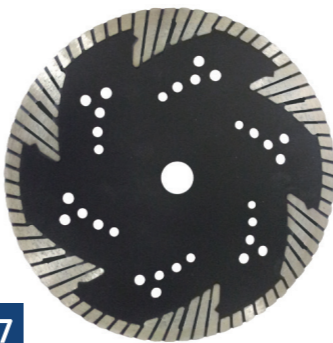
Dia.	Inch (mm)	4" (100)	4.5" (115)	5" (125)	6" (150)	7" (180)	8" (200)	9" (230)	10" (250)	12" (300)	14" (350)
Rim Dimension	Thick	1.2	1.2	1.2	1.6	1.6	1.6	1.6	1.6	2.0	2.4
	Wide	10	10	10	10	10	10	10	10	10	10



25

Stone

Mesh Thin Turbo Cutter



27

Stone

Hurricane Turbo Cutter

Description

Very fast & aggressive cut
Straight & clean cut with no wobbling due to diamond protection on both sides
Reinforced steel body

Application

Granite, Sandstone

Specification

Unit : mm

Dia.	Inch (mm)	5" (125)	6" (150)	7" (180)	9" (230)
Rim Dimension	Thick	2.2	2.6	2.6	2.8
	Wide	10	10	10	10
	Protection No.	4	4	4	6

Description

Very aggressive with sharper diamond & 20mm short segment
Good performance with air cooling holes
Very popular for soft to medium hardness concrete & chemically hardened concrete

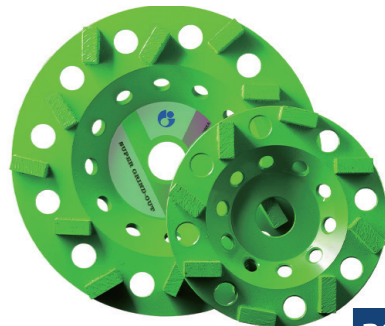
Application

Cured Concrete

Specification

Unit : mm

Dia.	Inch (mm)	4" (100)	5" (125)	7" (180)
Segment Dimension	Long	20	20	20
	Thick	8.0	8.0	8.0
	Wide	10	10	10
	No.	6	8	12



28

Construction

KC Cup Wheel



26

Stone

Sun Turbo Cutter

Description

Extremely fast & smooth cut
Straight cut with both rivet reinforced core
No wobbling with air cooling holes
Chip-free

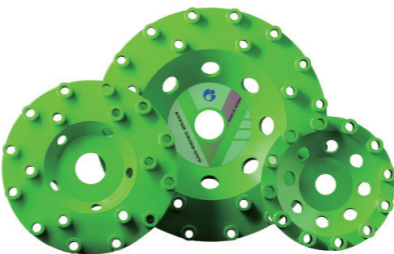
Application

Hard Materials, Granite, Marble, Stone

Specification

Unit : mm

Dia.	Inch (mm)	4" (100)	4.5" (115)	5" (125)	6" (150)	7" (180)	8" (200)	9" (230)	10" (250)	12" (300)
Rim Dimension	Thick	2.1	2.1	2.1	2.2	2.6	2.6	2.6	2.6	3.0
	Wide	10	10	10	10	10	10	10	10	10



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Construction

Ultra Cup Wheel

Description

Unique design
Fast & smooth grinding out on hard (reinforced) concrete
Multi-directional grinding performance with diamond bead
Smooth grinding with reduced diamond bead loading

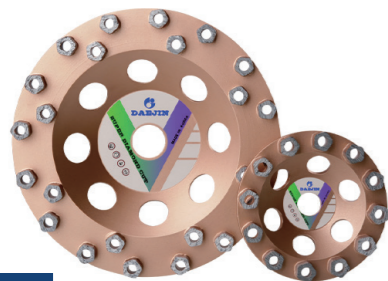
Application

Hard (Reinforced) Concrete

Specification

Unit : mm

Dia.	Inch (mm)	4" (100)	5" (125)	7" (180)
Bead Dimension	Dia.	11	11	11
	Thick	2.5	2.5	2.5
	Wide	7	7	7
	No.	12	18	24



30

Construction

Pentagon Cup Wheel

Description

Unique design
Very fast and aggressive grinding with pentagonal shaped diamond bead
Efficient for grinding corner & edges on concrete floor
Long duration

Application

Soft Concrete

Specification

Unit : mm

Dia.	Inch (mm)	4" (100)	5" (125)	7" (180)
	Dia.	13	13	13
Bead Dimension	Thick	3.0	3.0	3.0
	Wide	8	8	8
	No.	12	18	24

Description

Well-perform with good stable bonds on each application
Economical

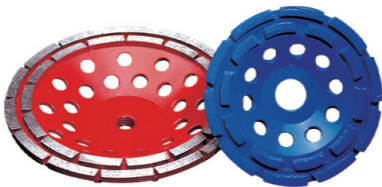
Application

Concrete, Masonry, Granite, Stone

Specification

Unit : mm

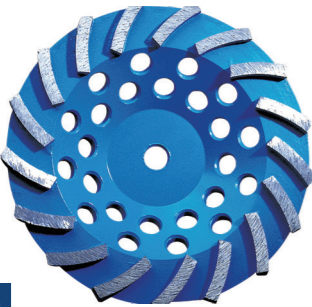
Dia.	Inch (mm)	4" (100)		4.5" (115)		5" (125)		7" (180)	
		Rowed		Single	Double	Single	Double	Single	Double
Segment Dimension	Long	23	30/23	30	30/23	30	30/23	35	35/28
	Thick	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
	Wide	7	7	7	7	7	7	7	7
	No.	8	16	9	18	10	20	14	28



31

Construction / Stone

Single/Double Cup Wheel



32

Construction

Swirly Cup Wheel

Description

Fast grinding of uneven concrete surface
Excellent for highly even grinding on concrete floor
Efficient for grinding corner & edges on concrete floor

Application

Concrete

Specification

Unit : mm

Dia.	Inch (mm)	4" (100)	4.5" (115)	5" (125)	7" (180)
	Long	23	30	30	30
Segment Dimension	Thick	4.5	4.5	4.5	4.5
	Wide	7	7	7	7
	No.	13	14	16	24



33

Special Working & Engineering

PCD Cup Wheel

Description

Very efficient for removal of concrete coatings
Very fast & aggressive

Application

Concrete Coatings, Epoxy, Urethane, Glues, Paintings

Specification

Dia. 4"(100mm) to 7"(180mm) available
3 different sizes available according to each application and concrete coatings depth

Description

Higher technology & value with ADAS (Automatic Diamond Array System)
Extremely fast cut & long duration
Smoothly start to cut and settle position easily with rooftop configuration

Application

(Reinforced) Concrete, Building Materials, Asphalt, Granite

Specification

Unit : mm

Segment Dimension	Long	16	24	24	24	24
	Thick	3.5	3.5	4.0	4.5	5.0
	Wide	12	12	12	12	12
Available Diameter		50	60/80/100/115/125	125/150/180/200	180/200/250	Over 400/ Straight



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Construction / Stone / ADAS

ADAS Core Segment



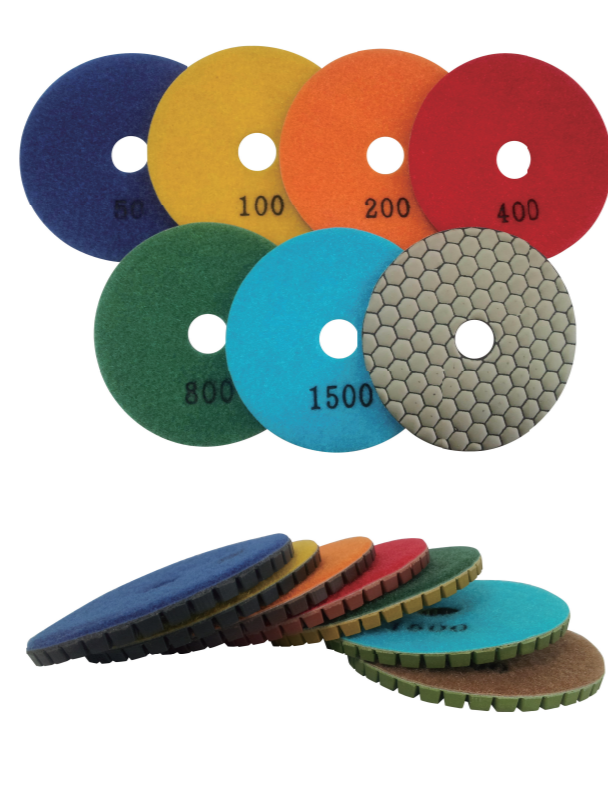
Description

Very soft and smooth polishing
Very flexible and durable velcro back

35

Construction / Stone

Polishing Pad



Application

Granite, Marble, Stone, Concrete

Specification

Dia. 3"(75mm)/4"(100mm)/5"(125mm) available
Grit #50/100/200/400/800/1500/3000/10000(Buff)
Wet or Dry
Backer pad(flexible/rigid) available on request



Description

Fast & clean cutting | Fine surface & edge grinding

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Stone / Special Working & Engineering

Electroplated & Vacuum Brazed Disc

Application

Granite, Marble, Quartz, Porcelain, Ceramic Tile, Fiberglass

Specification

Dia. 4"(100mm) to 18"(450mm) available
Rim or segment, normal or side reinforcement available on request

DAEJIN DIAMOND
CERTIFICATE

