



Asahi Diamond Industrial Australia Pty. Ltd.

Product Catalogue



Construction



scan me

Notes...

Contents

Asahi Diamond Industrial Australia - Our Story	1
Material Properties	3
Blade Performance vs. Life / Blade Life vs. Cutting Rate	4
Blade Operating Instructions	5
Optimum Saw Blade Selection	6
Blade Operating Speeds	7
Blade Speed Guide – Material Specific	8
Diamond Core Bit Drilling Tips	9
Recommended Drill Speeds	10
Arix Technology Introduction	11
Arix Blades – Hand Saw	12
Arix Blades – Floor Saw	13
Arix Blades – Wall Saw	14
Arix Blades – Granite	15
Arix – Thin Wall Core Drills	16
Thin Wall Bit Core Drills – Economy Range	17
Core Drill Machine and Stand	18
Light Duty Water Swivels	19
Durastar Diamond Blades – General Purpose	20
Durastar Diamond Blades – General Purpose with Flange	21
Durastar Diamond Blades – Granite	22
Durastar Diamond Blades – Granite with Flange	23
Multi Cutter Diamond Blades with Flange	24
Astra Wave Cutters	25
Professional Segmented Diamond Blades – Reconstituted Stone	26
Professional Segmented Diamond Blades – Abrasives	27
Granite Cutting Blades	28
Marble Cutting Blades	29
Core Cutting Saw Blades	30
Sandstone Cutting Blades	31
Ultra Thin Tile Cutters – Porcelain	32
Continuous Tile Cutters – Premium Wet/Dry	33
Electroplated Diamond Blades	34

Electroplated Flush Cut Blades with Flange	35
Vacuum Brazed Diamond Wheels	36
Hard Brick Blades	37
Hard Brick Blades – Turbo	38
Combination Cutting Blades	39
Combination Cutting Blades – Turbo	40
Abrasive Material Cutting Blades	41
Thin Wall Bit Core Drills – Std. Shank – Granite	42
Thin Wall Bit Core Drills – M14 Shank – Granite	43
Vacuum Brazed Core Drills – Straight Shank	44
Vacuum Brazed Core Drills – M14 Shank	45
Turbo Cup Grinders	46
Concrete Cup Grinding Wheels	47
Grinding Wheels	48
Internal Grinders	49
Stubbing Wheels	50
Metal Bond Polishing Plates for Stone	51
Resin Bond Polishing Plates for Stone	52
Grinding Shoe Segments	53
Flex Pads – White	54
Flex Pads – Reconstituted Stone	55
Flex Pads – Premium	56
Convex Flex Pads	57
Air Grinders & Accessories	58
Diamond Excavator Blades	59
Diamond Wire Rope, Wire Rope Joiners & Crimping Tools	60



Introduction

Asahi Diamond Industrial is one of the world leaders in Diamond tooling servicing the Engineering, Construction and Mining sectors with high quality, reliable and cost effective products.

Technology advances are so rapid that one year old technology may be considered redundant. To keep pace with these technological advances we continually develop and modify our high precision, highly efficient tools, while promoting application development.

Used in a wide range of applications, Asahi tools are commonly used within the mining sector for drilling and geotechnical operations where high quality and reliability is required. They play an integral role in preventing excessive noise and protecting the environment. They are also used for dismantling buildings and bridges, seismic strengthening, upgrading infrastructure, and processing of various types of stone.

Through a stable supply of raw materials and a constant development process, Asahi Diamond can always guarantee stable, high quality products across the range.

Our Story

In 1947 Triefus Company Ltd. became a public company and its shares were quoted on the London Stock Exchange. At this time there became an increasing awareness of the importance of Diamond tools in the modern industrial world. An engineer was appointed to the team and following a small investment Triefus and Company Limited commenced manufacturing single point Diamond dressers.

By 1949 a small manufacturing company was established which made its first take-over in 1952. Expansion became rapid and profits grew. Also in 1949 a survey of Diamond tool and drilling potential was undertaken in Australia. Sales of rough Diamond commenced in 1950 and a small manufacturing plant was set up the following year. Similar plants were also established in other countries including France and India.

World demand for industrial Diamond products increased dramatically and the close links already established with industrial Diamond merchants and product manufacturers resulted in rapid growth for the Triefus group. A particularly close association developed between the Triefus UK manufacturing company and the Asahi Diamond Industrial Co. Limited, which had been established in Tokyo in 1937. This close association was later expanded to include cross shareholdings and eventually led to Asahi taking control of the Triefus Group in 1990.

Asahi Today

The Asahi group is one of the world's largest manufacturers of industrial Diamond products with an enviable reputation for service and expertise.

Here at Asahi Australia we were manufacturing and marketing industrial Diamond products at our principal office and factory located in Mona Vale NSW, a northern beaches suburb of Sydney, right up until 2002. Sales Offices are still maintained at these premises with products now being sourced from our Group Companies in Japan, France, South Korea, Taiwan and Indonesia. Our products and services are used in various Diamond application areas for:

- Mining and Exploration
- Precision Engineering
- Construction Projects

All of our mining products are manufactured in our state-of-the-art Jakarta factory. This is where our first factory was built in 1996, predominantly to supply and service the South-East Asian market.

Our Australian factory ceased production in 2002 and all our equipment and manufacturing expertise was transferred to the Asahi Jakarta plant, who now produce our extensive range of mining and exploration products that we supply globally. We are now in our third built factory in Jakarta having grown out of the previous two and we have recently been quality accredited with ISO9001 Certification.

Our Promise to You

In addition to aiming to exceed your expectations we promise to offer our customers:

Service: A personalised service from your first point of contact - access to unparalleled advice from our team of experts and products that are delivered on time.

Quality: Technologically advanced high performing products that are built to last.

Price: Exceptional prices on exceptional quality products.

Honesty: To deliver what we promise and to treat all our customers with honesty and integrity.

Short Facts

Global Head Office: Tokyo, Japan.

Number of employees: 2,147 worldwide.

Manufacturing countries: Japan, Indonesia, Taiwan, China and France

Global presence: Australia, Japan, Indonesia, Thailand, China, Taiwan, United States of America, Europe, Russia, Mongolia, Singapore, Malaysia, Vietnam, Cambodia, Philippines, South America, South Africa, DK Congo, Myanmar and India.

Material Properties

The principal variable to be considered is the aggregate type and size.

When attempting to match Blade specifications to aggregate type it is useful to think of the aggregate in terms of its hardness, abrasiveness and density. These are relative terms and generally speaking very hard, high density, lower abrasive aggregate concretes require fine Diamonds in a soft bond at low concentration whereas soft, low density highly abrasive aggregates call for coarse Diamond at higher concentrations.

Differences in the hardness, density and abrasiveness of aggregates may not be readily apparent, but some subjective judgment must be made if the optimum matrix (bond + Diamond) is to be found.

Generally speaking, concrete is a loosely bonded highly abrasive material composed of aggregate, sand, cement and water. There are many different types of concrete including what is commonly called hard, soft, old, new, pre-stressed and reinforced. The aggregate type of each will vary from area to area and the hardness alone may vary from -5 to 7+ on the Moh's Scale. Concrete strength will vary according to mix and curing time and CUTTABILITY will be affected by the presence of reinforcing.

As the Blade is traversed through the concrete at a specific depth, individual Diamond crystals remove the material with a scraping action generating chips which abrade the bond to expose fresh cutting points. As each crystal wears, the chip characteristics change resulting in a change in the wear pattern of the bond which in turn affects the cutting action.

Larger, harder and sharper chips abrade the bond more rapidly than softer and smaller chips. It is for this reason that the harder bonds are selected for green concrete and the softer bonds for flint aggregate concretes.

It is important to note that chip size is a function of many factors apart from the material being cut.

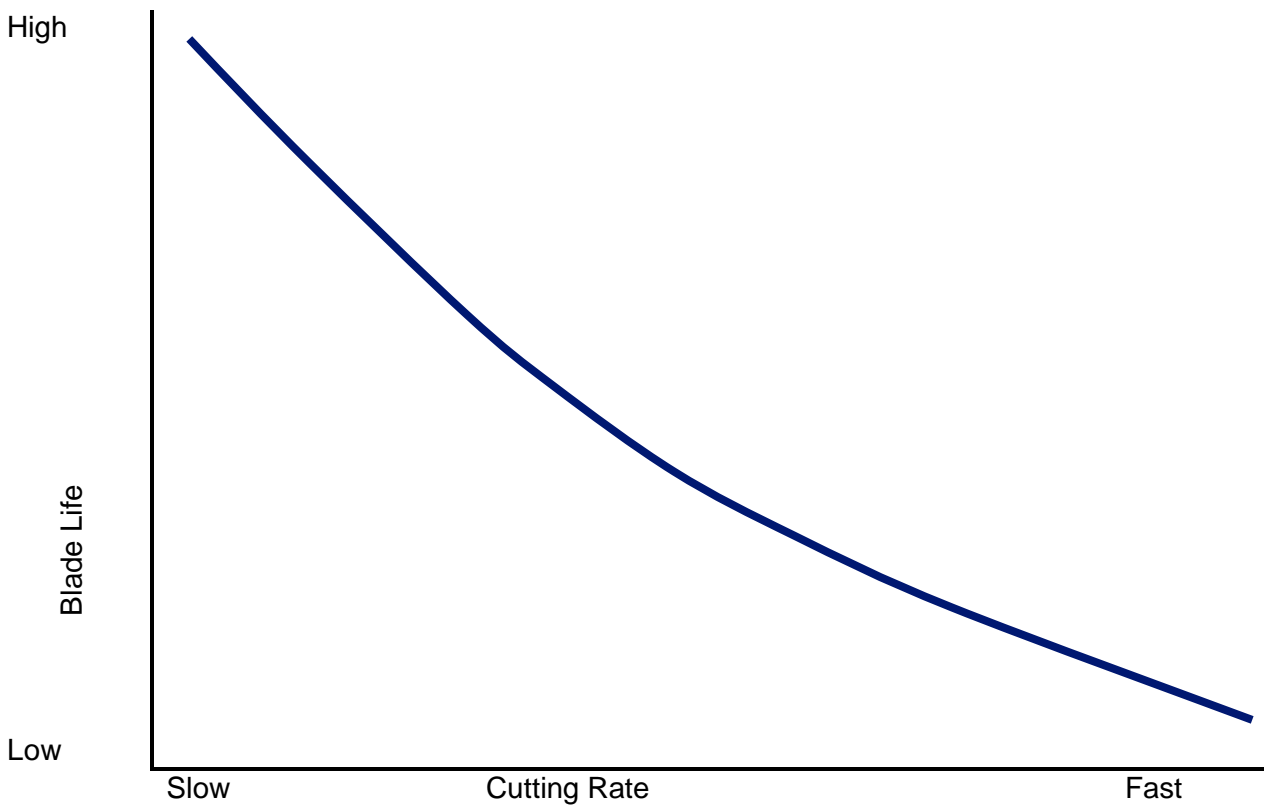
Cutting conditions and Blade design also determine the characteristics of chips generated. However, where all factors remain constant it is possible to vary the bond properties according to the Blade wear pattern generated by the chips to achieve the desired Blade life and speed of cut.

Blade Performance vs. Life

An inverse relationship exists between Blade life and cutting rate.

Generally speaking a high cutting rate will reduce saw life and labour costs, and a long Blade life will reduce Blade costs but increases labour and machine costs. While the desire for a longer life, faster cutting Blade is common to both manufacturers and users, it is necessary to compromise depending on the requirements of the job in hand.

Blade Life vs. Cutting Rate



Blades can be varied according to the customer's preference. Where no preference is stated, a Blade for use under average operating conditions is supplied. Special Blades will cost more than standard Blades negating expected costs and/or performance benefits.

Blade Operating Instructions

- Asahi Diamond Industrial's concrete and Asphalt Diamond Blades have been designed to operate at minimum noise levels compliant with current operating practice in the Industry. Noise reduced Blades are available on request. Where necessary, segment protection is achieved by inserting tungsten carbide "slurry disrupters" in Blade gullets at regular intervals. All Blades are designed to operate in a clockwise direction with the tungsten carbide disrupter leading, or where the abrasiveness of the material being cut does not warrant the inclusion of a disruptor an arrow indicating the direction of the rotation is marked onto the Blade.
- Diamond Blade cutting efficiency and life is substantially affected by any spindle run-out of machine vibration during operation. The greater the vibration and run-out in the machine (Blade), the harder the bond material required for satisfactory operation. The cutting rate falls as the bond gets harder and the Diamonds tend to smash as the Blade runs out, the costs of cutting tend to increase.
- Regular checks of the machine and Blade alignment will result in cost savings to the user.
- The optimum machine power required to obtain maximum Blade performance varies according to cutting conditions and the materials to be cut. A smaller Diamond Blade on a medium horsepower machine will require a harder bonding material than a larger diameter Blade in the same material.
- With machine power large enough to use Blades at high cutting rates, hard bonds are required to prevent fast wear under high speed cutting conditions. The same bonds used on low power machines give low rates of cut, generate excessive heat and, in extreme cases, produce centre (Core) cracks at the base of the gullets.
- Flange diameter influences the directional accuracy of saws. The largest possible flanges are recommended. Never use less than 200mm diameter flanges on Blades up to 450mm diameter.
- Insufficient water will inhibit the effective operation of a saw Blade. Use as much water as is necessary to prevent overheating and remove slurry from the cut.
- Regularly check that the machine bearings are in good working order and that when mounted on the spindle there is no Blade radial movement. The horizontal traverse of the saw must be parallel to the plane of the Blade. Your machine handbook will detail permissible tolerances and adjustment instructions.

Optimum Saw Blade Selection

The selection of a saw Blade to meet life and speed of cut expectations depends upon the ability to judge the likely properties of chips generated during cutting. Chip sizes are determined by material grain structure, cutting conditions and saw Blade design.

The anticipated chip size in relation to these factors is shown below

Larger Chips	Smaller Chips
Material to be cut	
Small grain size	Larger grain size
Cracked grain structure	Homogenous grain structure
Strongly cemented grains	Weakly cemented grains
Friable grains	High strength grains
Cutting conditions	
Lower Blade speeds (m/sec)	Higher Blade speeds (m/sec)
Higher traverse rates	Lower traverse rates
Blade design	
Larger Diamond	Smaller Diamond
Lower Diamond concentration	Higher Diamond concentration
Softer bond	Harder bond
Shorter segments	Longer segments

Having observed Blade wear pattern on the “First Position” Blade, modifications may be required to meet customers’ expectations.

Wear Pattern	Cutting Characteristics	Cause	Remedy
Diamond exposed tending to flatten, no wash pattern or trailing	Dull cutting. Centre worn or bent	Excessive m/sec	Lower concentration and softer bond
No Diamond exposure, wash pattern or trailing	Dull cutting centre worn or bent	Bond too hard	Softer bond
Excessive pluck out of Diamond and fractured Diamond particles	Dull cutting centre and short life	Concentration too low Machine in bad condition	Increase concentration and fix machine
Good Diamond exposure, wash pattern and trailing	Short life too fast cutting	Bond too soft	Harder bond

Blade Operating Speeds

Blade Diameter (mm)	Peripheral Speed								
	25	30	36	40	45	50	55	60	65
	Rotation Speed of the Spindle								
200	2,380	2,670	3,340	3,820	4,300	4,780	5,750	5,750	6,210
250	1,910	2,280	2,670	3,060	3,440	3,820	4,200	4,580	4,970
300	1,690	1,910	2,330	2,660	2,670	3,180	3,500	3,820	4,140
360	1,360	1,640	1,910	2,180	2,460	3,730	3,000	3,270	3,650
400	1,190	1,430	1,670	1,910	2,150	2,380	2,030	2,870	3,100
450	1,060	1,270	1,480	1,700	1,910	2,120	2,330	2,550	2,760
500	960	1,150	1,340	1,530	1,720	1,910	2,100	2,280	2,480
550	870	1,040	1,220	1,380	1,560	1,740	1,910	2,080	2,260
600	800	960	1,110	1,210	1,430	1,590	1,750	1,910	2,070
700	680	620	960	1,090	1,230	1,360	1,500	1,640	1,770
800	600	720	840	960	1,070	1,190	1,310	1,430	1,550
900	630	640	740	850	960	1,060	1,170	1,270	1,380
1,000	480	570	670	760	860	960	1,050	1,150	1,150
1,100	430	520	610	690	780	870	960	1,040	1,130
1,200	400	480	560	640	720	800	880	960	1,040
1,300	370	440	510	590	560	740	810	880	960
1,400	340	410	480	550	610	680	750	820	890
1,500	320	380	450	510	570	640	700	760	830
1,600	300	360	420	480	640	600	660	720	780
1,750	270	330	380	440	490	550	600	660	710
2,000	240	290	330	360	430	480	530	570	620
2,600	190	230	270	310	340	380	420	460	500
2,700	180	210	250	280	320	350	390	420	460
3,000	160	190	230	260	290	320	360	380	410

Blade Speed Guide – Material Specific

Property of the material to be cut is one of the most important factors concerning optimum saw selection. Materials of similar appearance, composed of different ingredients which result in varying properties, require completely different saw designs. The following table is a general guideline for selecting optimum bonding materials, saw peripheral speeds, and saw types relating to each material to be cut.

Material	Peripheral Speed		Bond Hardness 1 – 10 (Soft – Hard)
	m/min.	m/sec.	
Limestone	1,800 - 2,500	30 - 42	1 - 3
Marble	1,800 - 2,500	31 - 42	1 - 3
Tuff	1,800 - 2,500	32 - 42	8 - 10
Sandstone	1,800 - 2,500	33 - 42	8 - 10
Marble Terrazzo	1,800 - 2,500	34 - 42	1 - 3
Chamotte Brick	1,800 - 2,500	35 - 42	8 - 10
Granite Terrazzo	1,500 - 2,300	25 - 38	3 - 5
Slate	1,500 - 2,300	25 - 38	5 - 7
Graphite	1,500 - 2,300	25 - 38	5 - 7
Alumina Brick	1,500 - 2,300	25 - 38	6 - 8
Basalt	1,500 - 2,300	25 - 38	5 - 7
Andesite	1,200 - 2,300	20 - 38	5 - 7
Black Granite	1,200 - 2,300	20 - 38	5 - 7
Soft Electrocast Brick	1,200 - 2,300	20 - 38	5 - 7
Granite	1,000 - 2,300	17 - 38	3 - 7
Silicon Carbide Brick	1,000 - 1,800	17 - 30	6 - 8
Hard Electrocast Brick	1,000 - 1,800	17 - 30	3 - 5

Diamond Core Bit Drilling Tips

- Always secure the drill rig either with a mechanical anchor, vacuum system, or by use of the jack screw.
- NEVER stand on the base and drill without anchoring.
- Level the drill rig by use of the base leveling screws, and a level - this procedure will ensure a perpendicular hole.
- Never let the Bit spin in the hole without applied pressure - this will cause the Diamonds to round off and the Bit segments will heat and glaze over.
- Turn on the water before starting the drill motor, otherwise the water jacket seals will heat up and become brittle resulting in a loss of water.
- When your Bit encounters steel (Rebar), relax the pressure about 1/3 and allow the Bit to cut at its own rate.
- DO NOT PUSH THE BIT.
- Some operators turn the water down after exiting the steel to sharpen the Bit. If you engage in this practice don't forget to turn the water back up once the Bit is sharpened.
- When drilling high MPA concrete or concrete with very hard aggregate (i.e. river rock, flint rock etc) the Bit will sometimes glaze over. To open or redress the Bit, do one of the following:
 - Decrease water by about ½ for a few minutes and as the Bit starts to increase speed gradually increase the water until the flow is back to the original state.
 - Pour masonry sand into the cut and then follow the directions above.
 - Drill into a cement block, soft vitrified grinding wheel, sandstone or cinder block. Repeat the procedure until the Bit is open again.
- When you have finished drilling turn the water down very low and back the core bit out of the hole with the motor running.

Diamond Core Bit Drilling Tips ctd.

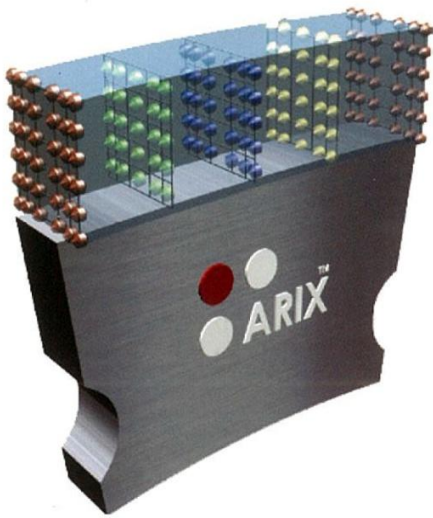
Symptom	Cause	Remedy
Loss of segment	Bit too hard for the material it is drilling, causing it to pound and fatigue	Use a softer bond if possible or decrease motor rpm if possible
	Overheating due to insufficient water for cooling and flushing	Increase water flow to where slurry is milky and flows easily
	Machine setup is not rigid or loose material is in the cut and the bit segment hangs	Tighten anchor, check vacuum system for proper vacuum pressure
	Shooting cable, when drilling prestress	Use a bit with more segments
Segment cracking	Bit is too hard for the material being drilled	Use a softer bit if possible or decrease motor rpm
	Machine setup is not rigid	Tighten anchor, check vacuum system
Barrel cracking	Too much feed pressure	Back off the feed pressure
	Segment too hard for material being drilled	Use bit with softer segment
Belled barrel	Too much feed pressure	Back off the feed pressure

Recommended Drill Speeds

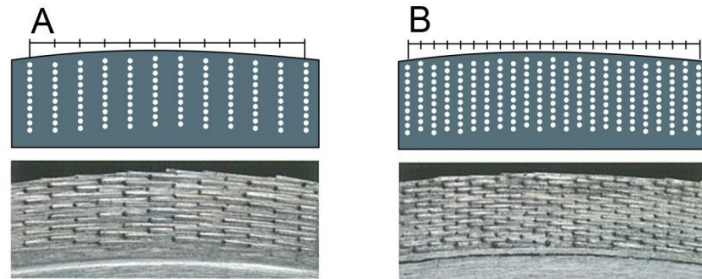
Always use the closest drill motor speed to that recommended for the TWB diameter.

TWB Diameter (mm)	Drill Speed (RPM)
8 – 29	3,000
30 – 45	1,500
46 – 65	1,200
66 – 89	900
90 – 125	600
126 – 200	450
201 – 400	300
400 up	150

Basic theory of ARIX Technology



By utilising ARIX Technology it is possible to place diamond grits precisely in three dimensional patterns to ensure the best performance possible is delivered.

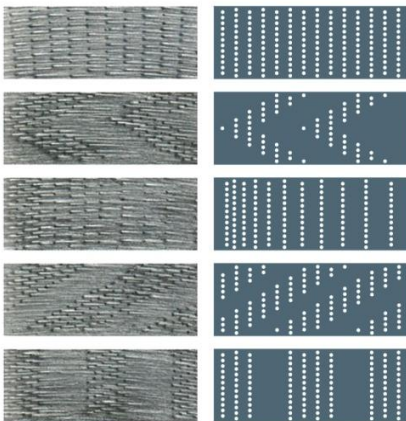


Wide (Figure A)

Narrow (Figure B)

It is possible to control the space among the diamond grits.

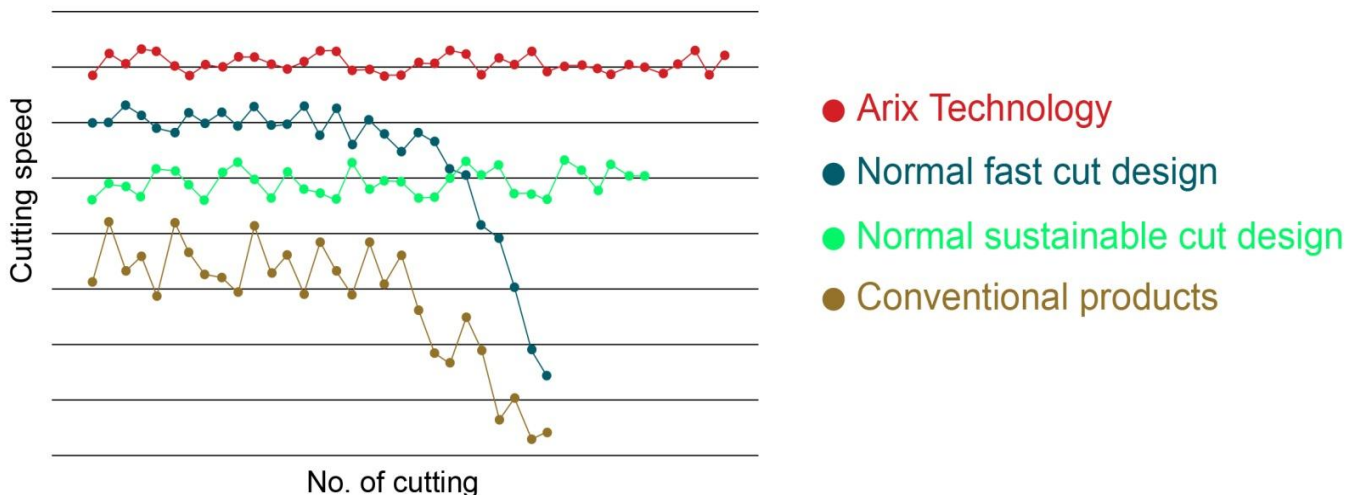
Functional Arrangement of Diamond Grits



Serial production of ARIX began in 2005, with the ARIX General-II being developed in 2010 to include more enhanced metallurgy, more precise control over the diamond positions and a more esthetical and functional design of the diamond segments for each product in the range.

The three dimensional method that ARIX Technology uses sees the diamond grits arranged in various patterns.

Comparison Chart



Arix Blades – Hand Saw



Arix Diamond Blades are manufactured with the latest 3D or “arranged” Diamond technology and are the most efficient cutting tools on the market.

They provide optimum cutting while maintaining blade life and cutting accuracy on hand saws.

Designed for cutting materials including: A wide range of masonry materials.

Diameter		Segment		Segment	Stock Code
(mm)	(in.)	T	W		
350	14”	3.2mm	10.00mm	Turbo	A14HS
416	16”	3.6mm	10.00mm	Turbo	A16HS

Arix Blades – Floor Saw



Arix Diamond Blades are manufactured with the latest 3D or “arranged” Diamond technology and are the most efficient cutting tools on the market.

They provide optimum cutting while maintaining blade life and cutting accuracy on floor saws.

Designed for cutting materials including: A wide range of masonry materials.

Diameter		Segment		Segment	Stock Code
(mm)	(in.)	T	W		
460	18"	4.00mm	13.00mm	Standard Arix	A18FS
500	20"	4.00mm	13.00mm	Standard Arix	A20FS
600	24"	4.00mm	13.00mm	Standard Arix	A24FS
750	30"	4.00mm	13.00mm	Standard Arix	A30FS
800	32"	4.00mm	13.00mm	Standard Arix	A32FS

Arix Blades – Wall Saw



Arix Diamond Blades are manufactured with the latest 3D or “arranged” Diamond technology and are the most efficient cutting tools on the market.

They provide optimum cutting while maintaining blade life and cutting accuracy on wall saws.

Designed for cutting materials including: A wide range of masonry materials.

Diameter		Segment		Segment	Stock Code
(mm)	(in.)	T	W		
1000	40"	4.40mm	12.00mm	Su-Notch	A40WS
1200	48"	4.40mm	12.00mm	Su-Notch	A48WS

Arix Blades – Granite



Arix Diamond Blades are manufactured with the latest 3D or “arranged” Diamond technology and are the most efficient cutting tools on the market.

They provide optimum cutting while maintaining blade life and cutting accuracy.

Designed for cutting materials including: Granite and reconstituted stone.

Diameter (mm)	Diameter (in.)	Segment T	Segment W	Hole (mm)	Segment	Stock Code
370	14”	3.2mm	15.0mm	60	Silent	5463/15
415	16”	3.2mm	15.0mm	60	Silent	5489G
415	16”	3.2mm	15.0mm	60	Silent	5489G/T1
470	18”	3.2mm	15.0mm	60	Silent	5491/15G
470	18”	3.2mm	15.0mm	90	Silent	5491/15G90H
508	20”	4.0mm	15.0mm	60	Silent	5496/15G
600	24”	4.4mm	15.0mm	100	Silent	5018G

Arix – Thin Wall Core Drills



Asahi Diamond manufacture and stock a wide range of Arix Thin Wall Bit Core Drills (TWB's).

Manufactured with the latest 3D or “arranged” Diamond technology, these are the most efficient cutting tools on the market.

All TWB's can be refurbished / re-tipped at our Sydney facility.

Diameter (mm)	Diameter (in.)	Length (mm)	Type	Connector	Product Code	Re-tip Code
18		450	Crown	1 ¼" UNC	ATWBC18	RCR18
20		450	Crown	1 ¼" UNC	ATWBC20	RCR10
22		450	Crown	1 ¼" UNC	ATWBC22	RCR22
24		450	Crown	1 ¼" UNC	ATWBC24	RCR24
25	1"	450	Crown	1 ¼" UNC	ATWBC25	RCR25
28		450	Crown	1 ¼" UNC	ATWBC28	-
30		450	Crown	1 ¼" UNC	ATWBC30	RCR30
32	1 ¼"	450	Crown	1 ¼" UNC	ATWBC32	RCR32
35		450	Crown	1 ¼" UNC	ATWBC35	RCR35
38	1.5"	450	Crown	1 ¼" UNC	ATWBC38	RCR38
40		450	Segment	1 ¼" UNC	ATWBC40	RCR40
45	1 ¾"	450	Segment	1 ¼" UNC	ATWBC45	-
48		450	Segment	1 ¼" UNC	ATWBC48	-
52	2"	450	Segment	1 ¼" UNC	ATWB52	A9329R
64	2.5"	450	Segment	1 ¼" UNC	ATWB64	A4360R
77	3"	450	Segment	1 ¼" UNC	ATWB77	A7241R
84	3 ¼"	450	Segment	1 ¼" UNC	ATWB84	A6132R
92	3.5"	450	Segment	1 ¼" UNC	ATWB92	A1075R
102	4"	450	Segment	1 ¼" UNC	ATWB102	A2445R
107	4 ¼"	450	Segment	1 ¼" UNC	ATWB107	A544R
117	4 3/5"	450	Segment	1 ¼" UNC	ATWB117	A9574R
127	5"	450	Segment	1 ¼" UNC	ATWB127	A1060R
152	6"	450	Segment	1 ¼" UNC	ATWB152	A8600R
182	7"	450	Segment	1 ¼" UNC	ATWB182	A339R
202	8"	450	Segment	1 ¼" UNC	ATWB202	A647R
225	9"	450	Segment	1 ¼" UNC	ATWB225	A9340R
250	10"	450	Segment	1 ¼" UNC	ATWB250	A9336R
300	12"	450	Segment	1 ¼" UNC	ATWB300	A5395R

Thin Wall Bit Core Drills - Economy Range



Asahi Diamond manufacture and stock a wide range of Thin Wall Bit Core Drills (TWB's).

Commonly used in the building industry for the installation of utilities, these bits can drill a variety of materials including heavily reinforced concrete, asphalt and sandstone.

TWB's can be manufactured to meet any specific need and can be refurbished / re-tipped to reduce costs.

Diameter (mm)	Diameter (in.)	Length (mm)	Type	Connector	Stock Code
51	2"	450	Segment	1 ¼" UNC	CBW0200
64	2 ½"	450	Segment	1 ¼" UNC	CBW0250
78	3"	450	Segment	1 ¼" UNC	CBW0300
92	3 ½"	450	Segment	1 ¼" UNC	CBW0350
102	4"	450	Segment	1 ¼" UNC	CBW0400
115	4 ½"	450	Segment	1 ¼" UNC	CBW0450
127	5"	450	Segment	1 ¼" UNC	CBW0500
153	6"	450	Segment	1 ¼" UNC	CBW0600
178	7"	450	Segment	1 ¼" UNC	CBW0700
204	8"	450	Segment	1 ¼" UNC	CBW0800

Diamond Core Drill Machine and Stand



The Asahi Core Drill Machine is a fully ball bearing, powerful two speed core drill motor with an optional adjustable drill stand.

The machine comes fitted with a water attachment, a safety clutch and spirit level and one carbon brush with an adjustable front and back handle. The power cord is fitted with RCD protection.

It is extremely versatile and ideal for drilling a variety of materials up to a maximum of 80mm diameter in walls, floors and roofs.

Voltage	RPM	Input Power	Drilling Capacity	Connector	Stock Code
240v	2100/950	1500w	80mm dia	1 ¼" UNC / ½"	DCD1500
Optional Core Drill Stand					4341

Light Duty Water Swivels



Water Swivels supply water and coolant through the centre of the Core Drill to the cutting face.

This cools the bit and flushes the cut material, preventing jamming and excessive wear.

Using Water Swivels allows faster drilling speeds and feed rates and also provides longer tool life.

Description	Input Size	Output Size	Stock Code
TWB Water Swivel standard 1/2" chuck	13mm - 1/2"	1 1/4" UNC	811
TWB Water Swivel Adaptor for standard 1/2" chuck	13mm - 1/2"	1/2" UNF	3793

Durastar Diamond Blades – General Purpose



Asahi Durastar Diamond Blades are designed as a professional general purpose blade with side protection.

Designed for cutting materials including: Concrete, mortar, brick and stone.

Diameter		Segment		Bore Size	Stock Code
(mm)	(in.)	T	W	(mm)	
100	4"	1.8mm	7.5mm	22.23 / 20.00	8058
125	5"	2.0mm	7.5mm	22.23 / 20.00	8059
150	6"	2.2mm	7.5mm	22.23 / 20.00	8030
180	7"	2.2mm	7.5mm	25.40 / 22.23	8060
230	9"	2.6mm	7.5mm	25.40 / 22.23	8061

Durastar Diamond Blades with Flange



Asahi Durastar Diamond Blades with a flange are a professional general purpose blade with side protection.

Designed with a fixing flange, this range provides the ability to flush cut the material while making use of the entire blade. Being able to continuously cut through the material results in a more professional finish.

Designed for cutting materials including: Concrete, mortar, brick, and stone.

Diameter		Segment		Material	Mounting	Stock Code
(mm)	(in.)	T	W			
100	4"	1.8mm	7.5mm	General Purpose	M14 Flange	8058FLAN
125	5"	2.0mm	7.5mm	General Purpose	M14 Flange	8059FLAN
230	9"	2.6mm	7.5mm	General Purpose	M14 Flange	8061FLAN

Durastar Diamond Blades – Granite

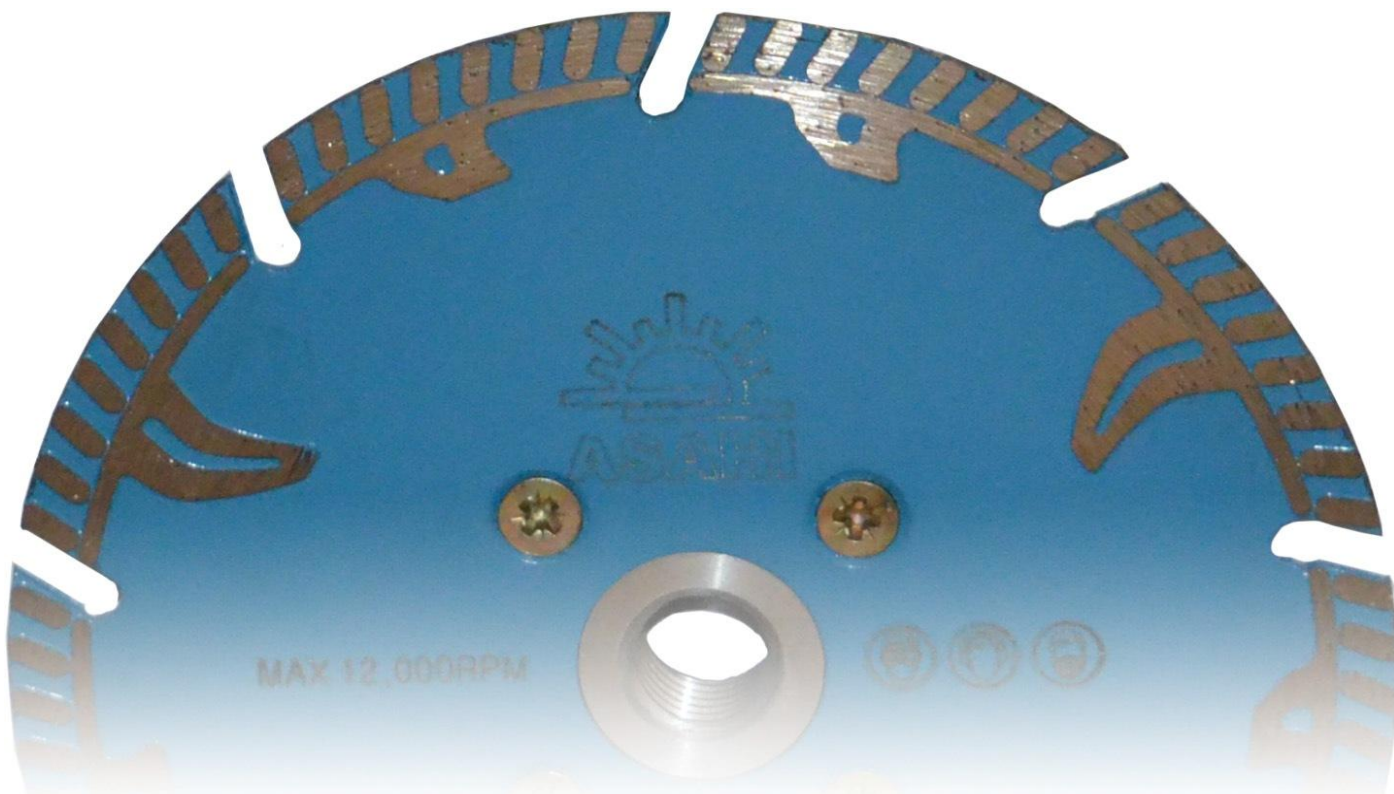


Asahi Durastar Diamond Blades for granite are a professional blade with side protection.

Designed for cutting materials including: Granite and hard brick.

Diameter		Segment		Bore Size	Stock Code
(mm)	(in.)	T	W	(mm)	
125	5"	2.0mm	7.5mm	22.23 / 20.00	8059B
180	7"	2.2mm	7.5mm	25.40 / 22.23	8060B
230	9"	2.6mm	7.5mm	25.40 / 22.23	8061B

Durastar Diamond Blades with Flange - Granite



Asahi Durastar Diamond Blades with a flange are a professional blade for granite with side protection.

Designed with a fixing flange, this range provides the ability to flush cut the material while making use of the entire blade. Being able to continuously cut through the material results in a more professional finish.

Designed for cutting materials including: Granite and hard brick.

Diameter		Segment		Mounting	Stock Code
(mm)	(in.)	T	W		
125	5"	2.0mm	7.5mm	M14 Flange	8059BFLAN
230	9"	2.6mm	7.5mm	M14 Flange	8061BFLAN

Multi Cutter Diamond Blade with Flange



Asahi supplies Flange Mounted Diamond Wheels that have the ability to cut sandstone as well as any abrasive materials.

These Blades have extended Diamond coverage enabling grinding and bulk removal of material.

Designed for cutting materials including: Granite and marble through to sandstone.

Diameter		Segment		Material	Mounting	Stock Code
(mm)	(in.)	T	W			
125	5"	2.4mm	7.5mm	General Purpose	M14 Flange	2631
230	9"	3.0mm	8.0mm	General Purpose	M14 Flange	2632

Astra Wave Cutters



Asahi Astra Wave Diamond Cutters are recommended for work requiring fast free cutting of hard materials at a competitive cost.

Designed for cutting materials including: Marble, granite and other hard materials.

Diameter (mm)	Diameter (in.)	Segment T	Segment W	Bore Size (mm)	Description	Stock Code
100	4"	2.4mm	7.0mm	22.23/20	AWC	5254
125	5"	2.4mm	7.0mm	22.23/20	AWC	5306
125	5"	2.4mm	7.0mm	22.23/20	Reinforced AWC	5306/10
150	6"	2.4mm	7.0mm	22.23/20	AWC	316
180	7"	2.4mm	7.0mm	25.4/22.23	AWC	317
180	7"	2.4mm	7.0mm	25.4	Stone Fire Super Hard	SF180

Diameter (mm)	Diameter (in.)	Segment T	Segment W	Bore Size (mm)	Description	Stock Code
100	4"	2.4mm	7.0mm	22.23/20	Convex	7407
125	5"	2.4mm	7.0mm	22.23/20	Convex	1938

Professional Segmented Diamond Blades



Reconstituted Stone

Asahi's Professional Segmented Diamond Blades are designed to handle a wide range of materials.

Designed for professional trades they are available in sizes to suit angle grinders.

Designed for cutting materials including: Granite, hard brick and other hard materials.

Diameter (mm)	Diameter (in.)	Segment		Bore Size (mm)	Stock Code
		T	W		
125	5"	2.4mm	7.0mm	22.23/20	8054/1
125	5"	2.4mm	9.0mm	22.23/20	8054/2
150	6"	2.4mm	7+2mm	22.23/20	8064/1
200	8"	2.4mm	7+2mm	1"/22.23	8084/1

Professional Segmented Diamond Blades



Abrasives

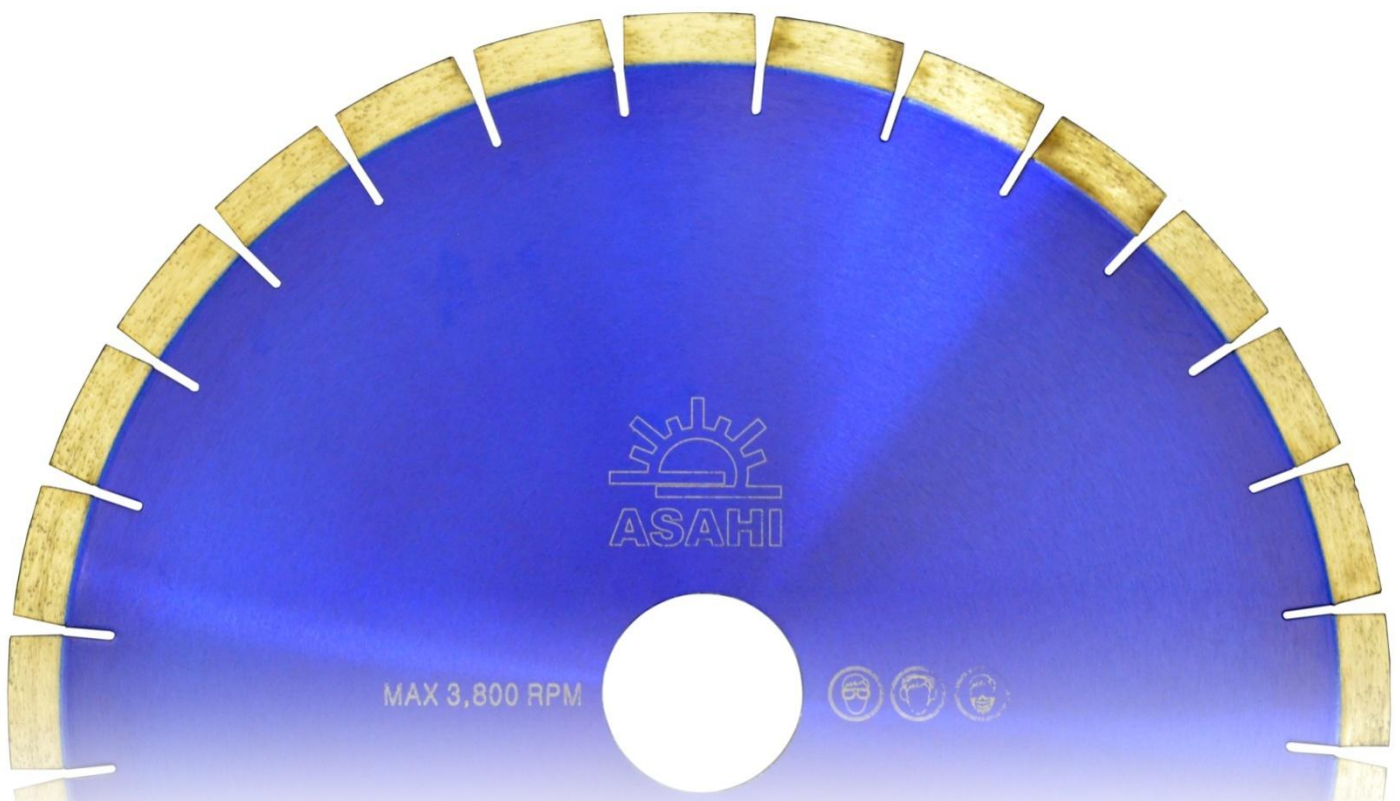
Asahi's Professional Segmented Diamond Blades are designed to handle a wide range of materials.

Designed for professional trades they are available in sizes to suit angle grinders, crack chasers, brick saws, circular saws and concrete saws.

Designed for cutting materials including: Asphalt, besser block and soft concrete.

Diameter		Segment		Bore Size	Stock Code
(mm)	(in.)	T	W	(mm)	
125	5"	2.0mm	7.5mm	22.23/20	1432
180	7"	2.0mm	7.5mm	1"/22.23	1435
230	9"	2.0mm	10.0mm	1"/22.23	8070

Granite Cutting Blades



Asahi Diamond manufactures and stocks a wide range of stone saws for all types of stone.

Our high quality tooling is designed to reduce noise.

Designed for cutting materials including: Polished granite bench tops and some marble materials.

Diameter		Segment		Bore Size (mm)	Segment	Stock Code
(mm)	(in.)	T	W			
415	16"	3.4mm	15.0mm	60	Silent	5489
470	18"	3.6mm	15.0mm	60	Silent	5491/15

Marble Cutting Blades



Asahi Diamond manufactures and stocks a wide range of high quality noise reduced Stone Saws for all types of stone.

Designed for cutting materials including: Polished marble bench tops.

Diameter		Segment		Bore Size	Description	Stock Code
(mm)	(in.)	T	W	(mm)		
400	16"	3.2mm	8.0mm	60	Silent	5490
455	18"	3.4mm	7.0mm	60	Silent	636
455	18"	3.4mm	7.0mm	90	Silent	636-90H
495	20"	4.0mm	7.0mm	60	Silent	32-0503

Core Cutting Saw Blades



Asahi Core Cutting Saw Blades are used in the mineral and mining exploration industry for core cutting applications to give a more detailed analysis of various rock formations. They have proven very successful across Australia.

Designed for cutting materials including: All medium to hard rock formations.

Diameter		Segment Type	Segment Size	Bore Size	Stock Code
(mm)	(in.)				
300	12"	Hard Core	40 x 2.4 x 7	1"	4628/1
300	12"	Medium / Hard Core	40 x 2.4 x 7	1"	4628/2
350	14"	Hard Core	40 x 2.4 x 7	1"	7947/1
350	14"	Medium / Hard Core	40 x 2.4 x 7	1"	7947

Sandstone Cutting Blades



Asahi Diamond manufactures and stocks a wide range of Diamond stone saws for all types of stone.

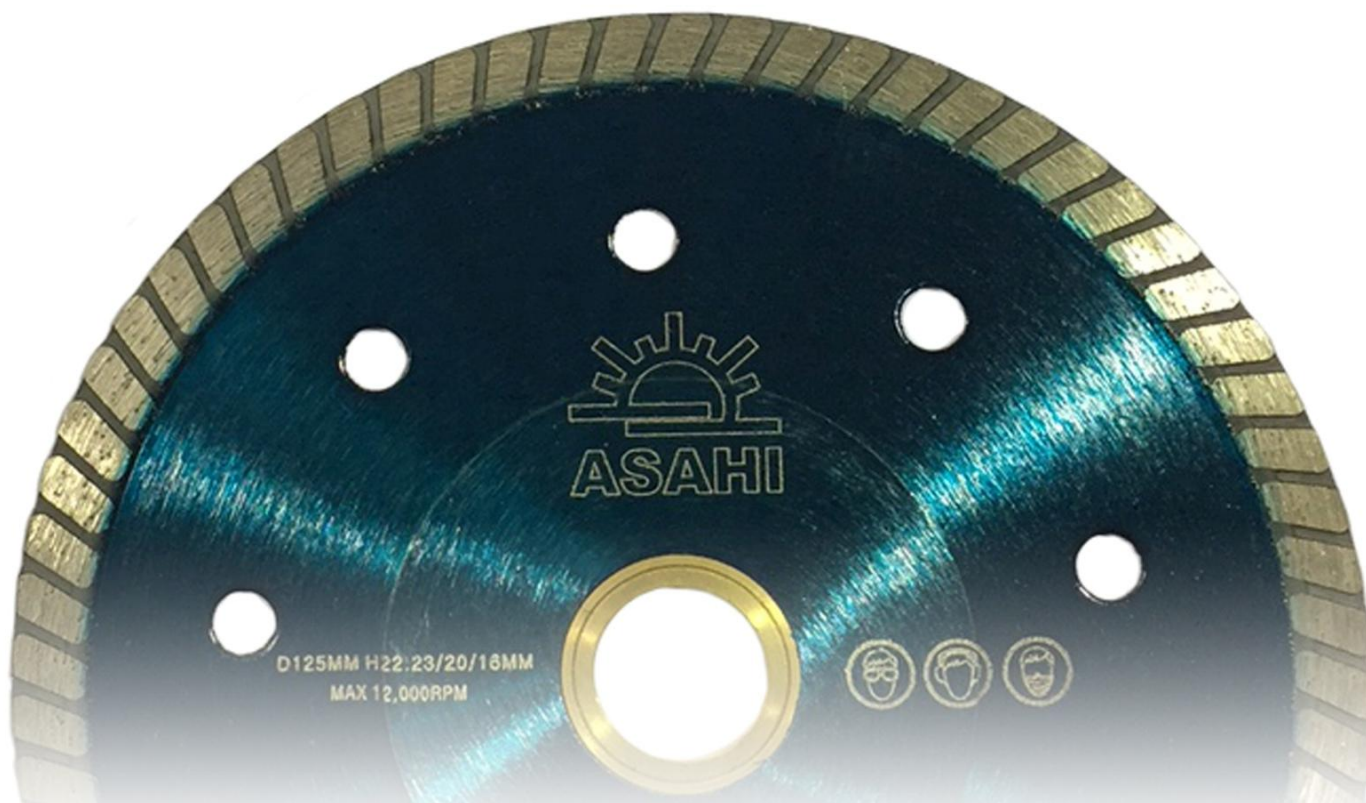
Our high quality tooling is designed to reduce noise, vibration and cutting costs.

A range of vacuum brazed tooling for high quality profile cutting and finishing is also available.

Designed for cutting materials including: Sandstone and abrasive materials.

Diameter		Segment		Bore Size	Description	Stock Code
(mm)	(in.)	T	W	(mm)		
600	24"	6.0mm	10.0mm	60	Horizontal	2275
600	24"	6.0mm	10.0mm	60	Standard	2295
600	24"	6.0mm	10.0mm	60	Silent	2296
600	24"	8.0mm	10.0mm	60	Horizontal	2802
700	28"	6.0mm	10.0mm	60	Noise Reduced	796
700	28"	6.0mm	10.0mm	100	Standard	796/STD
800	32"	6.0mm	10.0mm	60	Standard	1501H
800	32"	6.0mm	10.0mm	60	Noise Reduced	4403

Ultra Thin Tile Cutter – Porcelain



Asahi Professional Ultra Thin Diamond Blades provide optimum cutting with minimal chipping in the hardest of materials including porcelain and vitrified tiles.

Designed for cutting materials including: Porcelain, ceramic and terracotta tiles.

Diameter		Segment		Bore Size	Description	Stock Code
(mm)	(in.)	T	W	(mm)		
105	4"	1.2mm	10.0mm	22.23/20	Mesh Type	CR4S
125	5"	1.2mm	10.0mm	22.23/20	Mesh Type	CR5S

Continuous Tile Cutter – Premium Wet/Dry

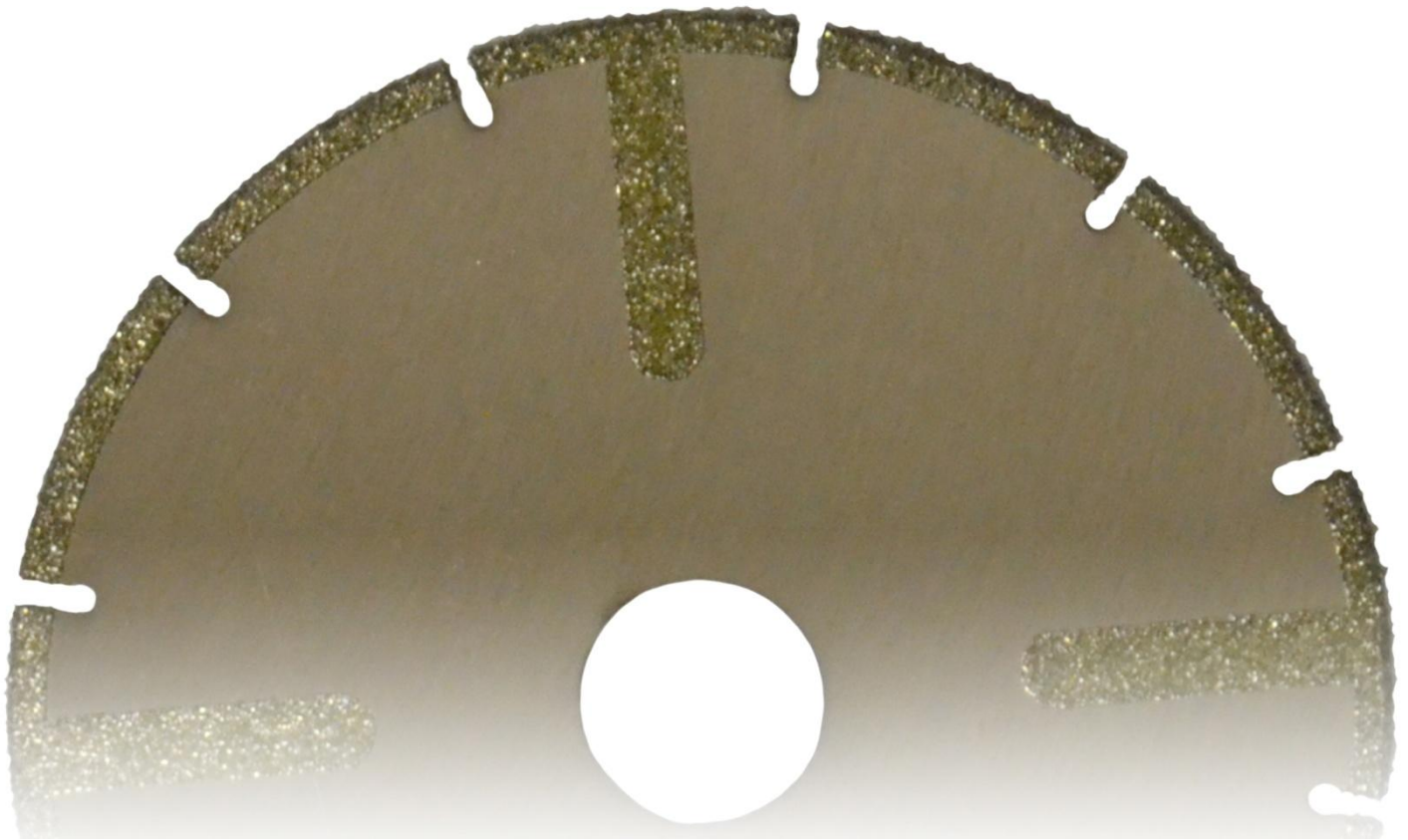


Asahi Continuous Rim Diamond Tile Blades can be used wet or dry. These laser cut air hole blades provide optimum cutting with minimal chipping.

Designed for cutting materials including: Porcelain, ceramic and terracotta tiles.

Diameter		Segment		Bore Size	Stock Code
(mm)	(in.)	T	W	(mm)	
105	4"	1.6mm	7mm	22.23/20	4930
115	4 ½"	1.6mm	7mm	22.23/20	4931
125	5"	1.6mm	7mm	22.23/20	4932
150	6"	1.6mm	7mm	22.23/20	4938
180	7"	1.6mm	7mm	25.4/22.3	4933
200	8"	1.6mm	7mm	25.4/22.3	4934
250	10"	2mm	7mm	25.4	4935
300	12"	2mm	7mm	25.4	4936
350	14"	2.4mm	7mm	25.4	4937

Electroplated Diamond Blades



Asahi Electroplated Diamond Blades are ideal for marble cutting and trimming applications.

Designed for cutting materials including: Marble, fiberglass and fiber-reinforced plastic.

Diameter		Shape	Style	Bore Size	Stock Code
(mm)	(in.)				
100	4"	Segmented / spoked	Plated	20	1567
125	5"	Segmented / spoked	Plated	22.23/20	36-0502

Electroplated Flush Cut Blades with Flange



Asahi Electroplated Flush Cut Diamond Blades are ideal for marble cutting and trimming applications.

Designed with a fixing flange this range provides the ability to flush cut the material, while making use of the entire blade and letting you get closer to the material for a more professional finish in most common materials including; concrete, mortar, brick, and stone.

Designed for cutting materials including: Marble, fiberglass and fiber-reinforced plastic.

Diameter		Shape	Style	Mounting	Stock Code
(mm)	(in.)				
125	5"	Flat Continuous	Plated	M14 Flange	2633

Vacuum Brazed Diamond Wheels



Asahi Convex Diamond Wheels are the ideal curve grinding tool for grinding circles in all types of granite and reconstituted stone bench tops once the cut-out has been removed.

Designed for cutting materials including: Granite and reconstituted stone.

Diameter (mm)	Diameter (in.)	Shape	Style	Bore Size (mm)	Stock Code
115	4.5"	Convex	BT	22.23/20	624

Hard Brick Blades



Asahi Laser Welded Diamond Blades are designed for use with brick saws, block saws, and demolition saws.

Our cutting Blades are available in standard as well as silent variations for cutting a wide variety of masonry materials.

Designed for cutting materials including: Ultra-hard clay bricks and pavers.

Diameter		Segment		Segment	Stock Code
(mm)	(in.)	T	W		
350	14"	2.8mm	10.0mm	Max Wave	4940
350	14"	2.8mm	10.0mm	Max Wave – Silent	4940S
500	20"	3.2mm	10.0mm	Max Wave	9153
600	24"	3.6mm	10.0mm	Max Wave	9154

Hard Brick Blades – Turbo



Asahi Laser Welded Diamond Blades are designed for use with brick saws, block saws, and demolition saws.

Our silent turbo segment gives a faster cutting speed and has the added benefit of a higher Diamond segment to improve blade life for cutting hard to ultra-hard bricks.

Designed for cutting materials including: Ultra-hard clay bricks and pavers.

Diameter		Segment		Segment	Stock Code
(mm)	(in.)	T	W		
350	14"	3.2mm	12.0mm	Silent	4710S

Combination Cutting Blades



Asahi Laser Welded Diamond Blades are designed for use with brick saws, concrete saws, and demolition saws.

Our Combination Cutting Blades are available in standard, as well as silent variations for general purpose cutting.

Designed for cutting materials including: From hard brick to abrasive materials.

Diameter		Segment		Segment	Stock Code
(mm)	(in.)	T	W		
300	12"	2.8mm	10.0mm	Max Wave	4946
350	14"	2.8mm	10.0mm	Max Wave	4942
350	14"	2.8mm	10.0mm	Max Wave – Silent	4942S
416	16"	3.2mm	10.0mm	Max Wave	4943
405	16"	3.2mm	10.0mm	Max Wave	4943ST

Combination Cutting Blades - Turbo



Asahi Laser Welded Diamond Blades are designed for use with brick saws, concrete saws, and demolition saws.

The turbo design aids in the cutting speed as well as having the added benefit of a higher Diamond segment to improve blade life.

Designed for cutting materials including: From hard brick to abrasive materials.

Diameter		Segment		Segment	Stock Code
(mm)	(in.)	T	W		
350	14"	3.2mm	12.0mm	Turbo	4950
416	16"	3.2mm	12.0mm	Turbo	4951

Abrasive Material Cutting Blades



Asahi Laser Welded Diamond Blades are designed for use on brick saws, concrete saws, and demolition saws.

Abrasive Cutting Blades are available in standard, as well as in silent variations providing exceptional performance on extremely abrasive materials.

Designed for cutting materials including: Asphalt, besser block and green concrete.

Diameter		Segment		Segment	Stock Code
(mm)	(in.)	T	W		
300	12"	2.8mm	10.0mm	Max Wave	4949
350	14"	2.8mm	10.0mm	Max Wave	4944
350	14"	2.8mm	10.0mm	Max Wave – Silent	4944S
405	16"	3.0mm	10.0mm	Max Wave	2059
500	20"	3.4mm	8.5mm	Laser Block – Silent	34-0505

Thin Wall Bit Core Drills — Std. Shank



Granite

Asahi Diamond manufacture and stock a wide range of Thin Wall Bit Core Drills (TWB's).

Commonly used in the building industry for the installation of utilities, these bits can drill a variety of materials including granite, reconstituted stone and other masonry materials.

TWB's can be manufactured to meet any specific need.

Diameter (mm)	Diameter (in.)	Length (mm)	Type	Connector	Stock Code
6	1/4"	60	Non-core	Std. Shank	30-2006S
10	13/32"	60	Non-core	Std. Shank	30-2010S
12	1/2"	60	Non-core	Std. Shank	30-2012S
15	19/32"	60	Crown	Std. Shank	30-2015S
20	25/32"	60	Crown	Std. Shank	30-2020S
25	1"	60	Crown	Std. Shank	30-2025S
30	1 3/16"	60	Segment	Std. Shank	30-2030S
32	1 1/4"	60	Segment	Std. Shank	30-2032S
35	1 3/8"	70	Segment	Std. Shank	30-2035S
38	1 1/2"	70	Segment	Std. Shank	30-2038S
45	1 3/4"	70	Segment	Std. Shank	30-2045S
50	2"	70	Segment	Std. Shank	30-2050S
70	2 3/4"	70	Segment	Std. Shank	30-2070S
80	3 5/32"	70	Segment	Std. Shank	30-2080S
100	4"	70	Segment	Std. Shank	30-2100S

Thin Wall Bit Core Drills - M14 Shank



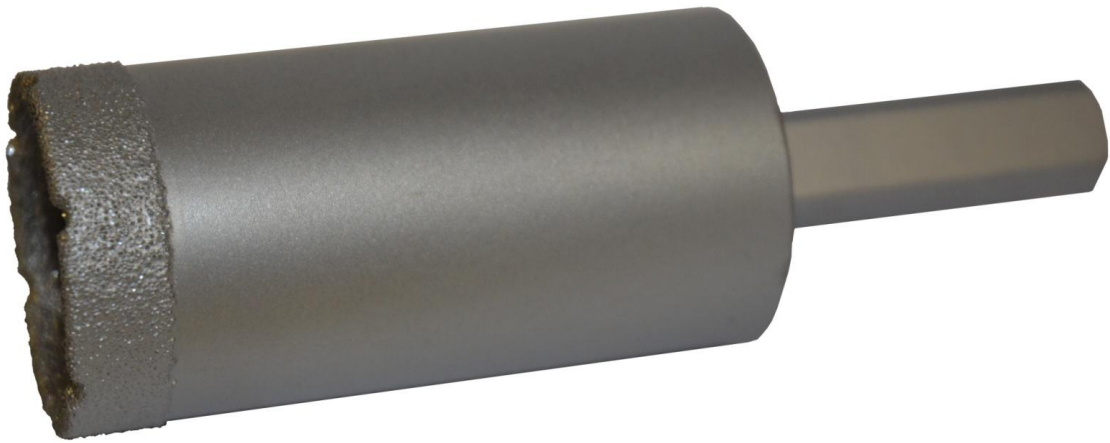
Granite

Asahi Diamond manufacture and stock a wide range of Thin Wall Bit Core Drills (TWB's).

Commonly used in the building industry for the installation of utilities, these bits can drill a variety of materials including granite, reconstituted stone and other masonry materials.

Diameter (mm)	Diameter (in.)	Length (mm)	Type	Connector	Stock Code
6	1/4"	60	Non-core	M14	CDB-06
8	11/32"	60	Non-core	M14	CDB-08
10	13/32"	60	Non-core	M14	CDB-10
12	1/2"	60	Non-core	M14	CDB-12
15	19/32"	70	Crown	M14	CDB-15
20	25/32"	70	Crown	M14	CDB-20
25	1"	70	Crown	M14	CDB-25
30	1 3/16"	70	Segment	M14	CDB-30
32	1 1/4"	70	Segment	M14	CDB-32
35	1 3/8"	70	Segment	M14	CDB-35
38	1 1/2"	70	Segment	M14	CDB-38
40	1 19/32"	70	Segment	M14	CDB-40
50	2"	70	Segment	M14	CDB-50
60	2 3/8"	70	Segment	M14	CDB-60
65	2 1/2"	70	Segment	M14	CDB-65
70	2 3/4"	70	Segment	M14	CDB-70
80	3 5/32"	70	Segment	M14	CDB-80
100	4"	70	Segment	M14	CDB-100
110	4 1/4"	70	Segment	M14	CDB-110

Vacuum Brazed Core Drills – Straight Shank



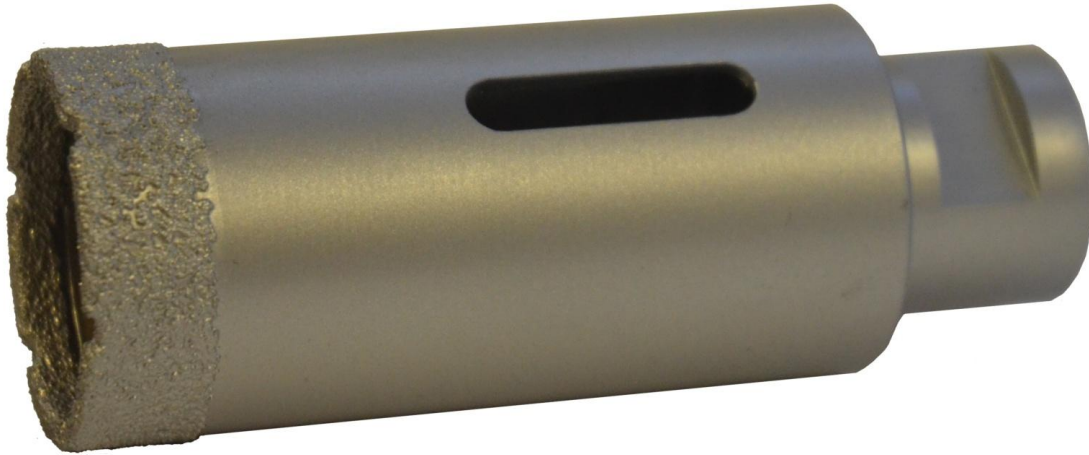
Brazed Diamond Core Drills are designed to cut marble, ceramic tile and other soft stones. They are also capable of cutting porcelain.

Ideal for use when hand drilling on site with a pistol drill. Brazed Core Drills can be used both wet and dry.

We recommend using wet to achieve optimum results and for a longer tool life.

(mm)	Diameter (in.)	Stock Code
6	1/4"	1129
8	5/16"	1132
10	13/32"	1135
12	1/2"	1146
15	5/8"	1149
20	25/32"	1158
35	1 3/8"	1175

Vacuum Brazed Core Drills – M14 Shank



Brazed Diamond Core Drills are designed to cut marble, glass, ceramic tile and other soft stones. They are also capable of cutting porcelain.

Brazed Core Drills can be used both wet and dry.

We recommend using wet to achieve optimum results and for a longer tool life.

	Diameter		Stock Code
(mm)		(in.)	
6		¼"	1125
8		5/16"	992
10		13/32"	994
12		½"	1126
15		5/8"	1021
20		25/32"	1128
35		1 3/8"	888

Turbo Cup Grinders



Asahi Diamond offers a wide range of Diamond Cup Grinding Wheels for shaping and polishing granite, composite stones, marble, concrete and sandstone.

Available in coarse, medium and fine Diamond grit with bond specifications suited to all stones and many different applications.

The Turbo Cup Grinder is ideal for smoothing and shaping all types of stone.

Diameter (mm)	Diameter (in.)	Grit Size	Type	Material	Mounting	Stock Code
100	4"	40	Turbo	Sandstone	M14	9020M14
125	5"	40	Turbo	Sandstone	M14	9025M14
150	6"	40	Turbo	Sandstone	M14	9026M14
100	4"	40	Turbo	Granite	M14	36-01010
100	4"	60	Turbo	Granite	M14	9022M14-M
100	4"	120	Turbo	Granite	M14	9022M14F
100	4"	40	Turbo	Granite	Snail Back	9051
100	4"	120	Turbo	Granite	Snail Back	9053

Concrete Cup Grinding Wheels



Asahi Diamond Cup Grinding Wheels are specifically designed for the efficient grinding and chamfering of various concrete and masonry materials.

Diameter (mm)	Diameter (in.)	Type	Mounting	Stock Code
103	4"	Double row	22.23H	CGWD – 4.0
125	5"	Double row	22.23H	CGWD – 5.0
180	7"	Double row	22.23H	7360

Grinding Wheels



Asahi Diamond offers a wide range of Diamond grinding, shaping and polishing wheels for sandstone, concrete, composite stones, granite and marble.

Available in coarse, medium and fine Diamond grit, with bond specifications suited to all stones and many different applications.

They eliminate bouncing and chipping for fast, easy smoothing and shaping.

Diameter		Grit Size	Type	Mounting	Stock Code
(mm)	(in.)				
103	4"	50	Resin	M14	2041T
103	4"	80	Resin	M14	2041T-80
103	4"	120	Resin	M14	2041T-120
100	4"	50	Resin	Magnetic	659
100	4"	80	Resin	Magnetic	659M
100	4"	120	Resin	Magnetic	660
100	4"	20	Full Cup	Magnetic	MAG20
100	4"	60	Full Cup	Magnetic	MAG60
100	4"	120	Full Cup	Magnetic	MAG120
100	4"	200	Full Cup	Magnetic	MAG200
100	4"	400	Full Cup	Magnetic	MAG400

Internal Grinders



Asahi Diamond's ranges of Internal Grinders are used for shaping and polishing all types of stone.

They are available in 'coarse' and can be used with angle grinders, hand held air tools and CNC machines.

	Diameter		Type	Grit Size	Connector	Stock Code
	(mm)	(in.)				
	15	19/32	BT	Coarse	M14	715WC
	20	25/32"	BT	Coarse	M14	720WC
	20	25/32"		Coarse	1/2" BSP	357RH
	25	1"	BT	Coarse	M14	725W
	25	1"	Resin	Coarse	1/2" BSP	10804/48
	35	1 3/8"	BT	Coarse	M14	735W
	50	2"	BT	Coarse	M14	750W

Stubbing Wheels



Asahi supplies a standard range of Diamond tooling for use with CNC machines for grinding and profiling materials such as sandstone, granite and marble.

We also have facilities to purpose design and manufacture tooling to suit any specific needs.

Diameter (mm)	Segments	Material	Hole	Stock Code
88	20	Granite	3 + 3	2594-1C
88	20	Sandstone	3 + 3	2594-1S

Metal Bond Polishing Plates for Stone

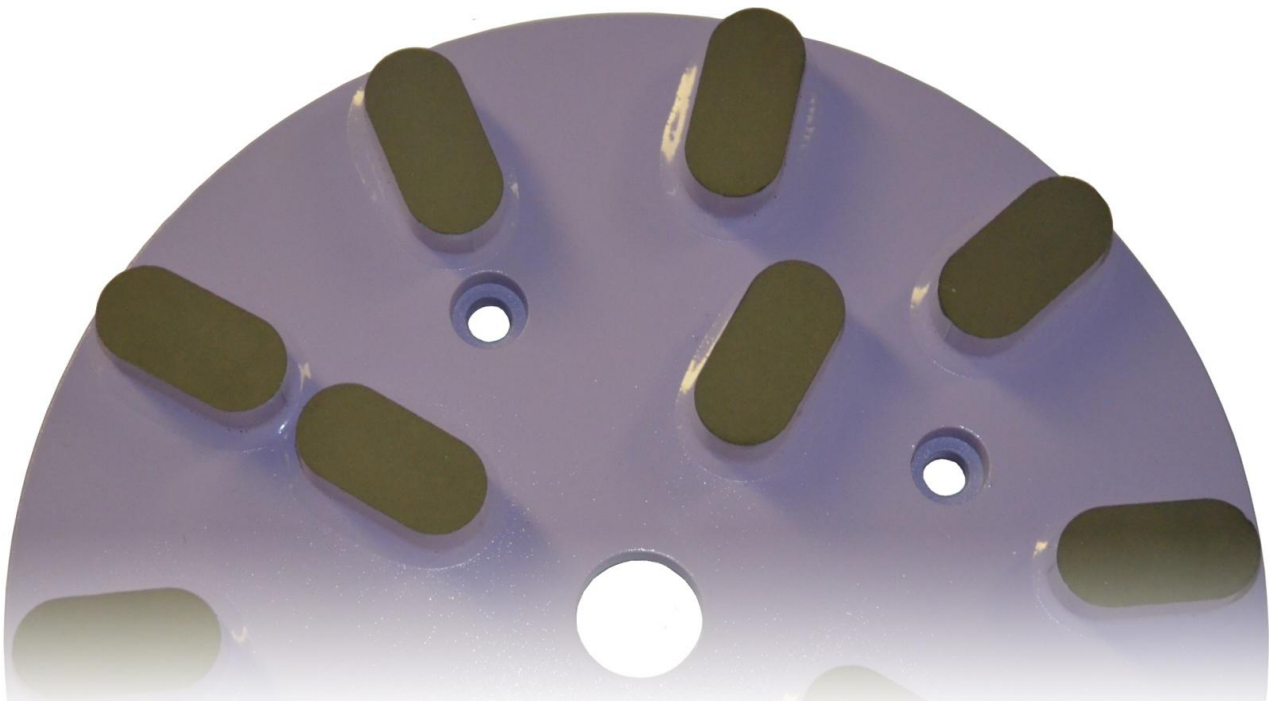


Asahi Diamond offers a wide range of Diamond grinding, shaping and polishing wheels for sandstone, concrete, composite stones, granite, and marble.

Available in coarse, medium, and fine Diamond grit with bond specifications suited to all stones and many different applications.

Diameter (mm)	Grit Size	Segments	Bond	Mounting	Stock Code
250	50	9 + 3mm	Metal	Plate	36-1000
250	200	9 + 3mm	Metal	Plate	36-1001
250	400	9 + 3mm	Metal	Plate	36-1002

Resin Bond Polishing Plates for Stone



Asahi Diamond offers a wide range of Diamond grinding, shaping and polishing wheels for sandstone, concrete, composite stones, granite, and marble.

Available in coarse, medium, and fine Diamond grit with bond specifications suited to all stones and many different applications.

Diameter (mm)	Grit Size	Segments	Bond	Mounting	Stock Code
250	400	10 + 4mm	Resin	Plate	W2310Z56
250	800	10 + 4mm	Resin	Plate	W2310Z5A
250	1500	10 + 4mm	Resin	Plate	W2310Z5E
250	3000	10 + 4mm	Resin	Plate	W2310Z6H

Grinding Shoe Segments



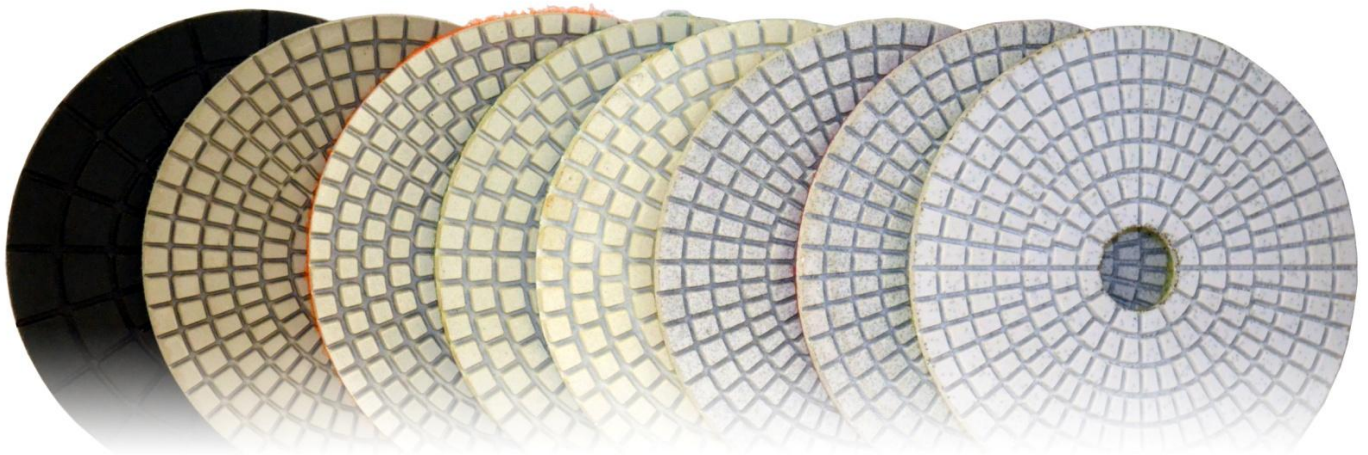
Asahi Diamond offers a wide range of Diamond grinding, shaping and polishing wheels for sandstone, concrete, composite stones, granite, and marble.

Available in coarse, medium, and fine Diamond grit with bond specifications suited to all stones and many different applications.

Individual metal bond segments for braze attachment to grinding shoes (metal bond only).

Size	Grit Size	Description	Stock Code
40 x 10 x 10mm	30 – 40	Grinding shoe segment – Coarse	825
40 x 10 x 10mm	60 – 80	Grinding shoe segment – Medium	825M
40 x 10 x 10mm	80 – 100	Grinding shoe segment – Fine	825F

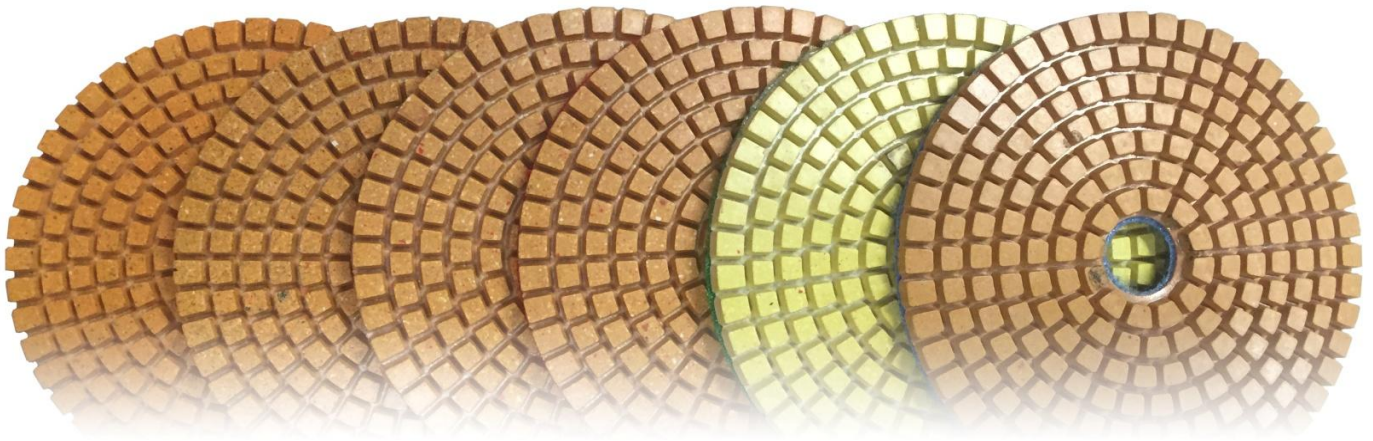
Flex Pads - White



Used wet or dry to obtain mirror finishes on stone surfaces, Asahi White Pads are used for curved surfaces.

Flex Pad Size	Grit Size	Connection	Stock Code
100 x 3.6mm	400	Velcro	36-400W
100 x 3.6mm	800	Velcro	36-800W
100 x 3.6mm	1500	Velcro	36-1500W
100 x 3.6mm	3000	Velcro	36-3000W

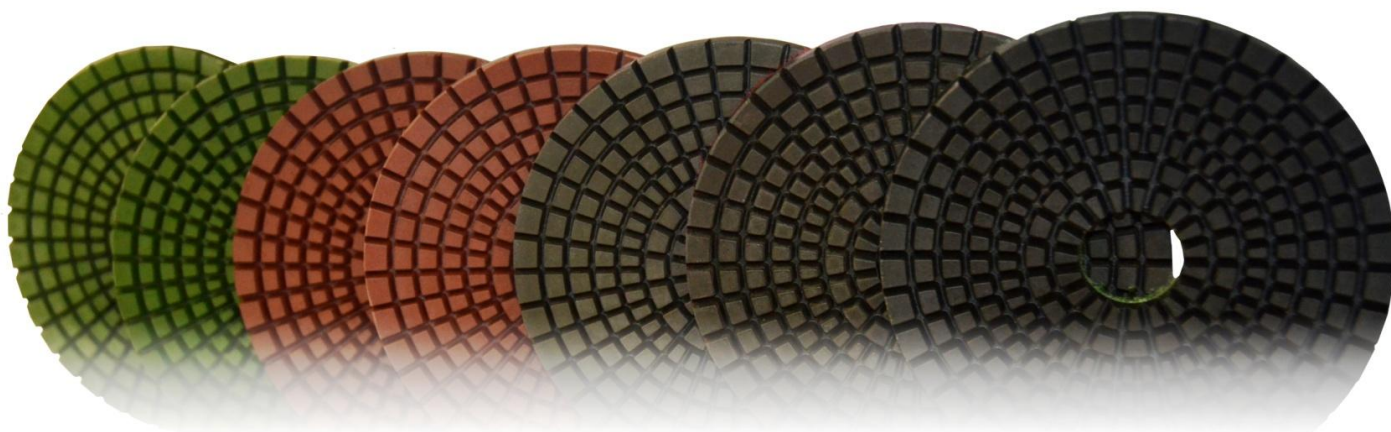
Flex Pads – Reconstituted Stone



Used wet or dry to obtain mirror finishes on stone surfaces, Asahi Reconstituted Stone Pads are used for curved surfaces.

Flex Pad Size	Grit Size	Connection	Stock Code
100 x 3.6mm	50	Velcro	36-50
100 x 3.6mm	100	Velcro	36-100
100 x 3.6mm	200	Velcro	36-200
100 x 3.6mm	400	Velcro	36-400
100 x 3.6mm	800	Velcro	36-800
100 x 3.6mm	1500	Velcro	36-1500
100 x 3.6mm	3000	Velcro	36-3000

Flex Pads – Premium



Used wet or dry to obtain mirror finishes on stone surfaces, Asahi Premium Pads are used for curved surfaces.

Flex Pad Size	Grit Size	Connection	Stock Code
100 x 3.6mm	50	Velcro	36-01001
100 x 3.6mm	100	Velcro	36-01002
100 x 3.6mm	200	Velcro	36-01003
100 x 3.6mm	400	Velcro	36-01004
100 x 3.6mm	800	Velcro	36-01005
100 x 3.6mm	1500	Velcro	36-01006
100 x 3.6mm	3000	Velcro	36-01007
100 x 3.6mm	BUFF	Velcro	36-01008

Convex Flex Pads



Used wet or dry to obtain mirror finishes on stone surfaces, Asahi Convex Pads are used for curved surfaces.

Convex Flex Pad Size	Grit Size	Connection	Stock Code
75 x 10mm	50	Velcro	36-9027
75 x 10mm	100	Velcro	36-9028
75 x 10mm	200	Velcro	36-9029
75 x 10mm	400	Velcro	36-9030
75 x 10mm	800	Velcro	36-9031
75 x 10mm	1500	Velcro	36-9032
75 x 10mm	3000	Velcro	36-9033
75 x 10mm	BUFF	Velcro	36-9034

Air Grinders & Accessories



Pneumatic tooling, accessories, and spare parts for polishing stone.

Description	RPM	Connection	Stock Code
100mm Rubber Adaptor	-	M14	36-0100
100mm Velcro Pad	-	-	36-01009
Gison 4" Air Grinder – Wet	4500	M14	GPW-7
Gison 5 ½" Air Grinder – Dry	4500	M14	GPW-211
Gison 5 ½" Air Grinder – Wet	11000	M14	GPW-215
Gison 5" Air Cutter – Wet	11000	M14	GPW-215C
Gison 7" Air Grinder – Wet	6500	M14	GPW-216

Diamond Excavator Blades



Asahi supplies new Diamond Excavator Blades to suit production saws and excavators ranging from 600mm through to 3,000mm

These blades can be tipped with Diamond segments to suit sandstone.

Asahi also offers a complete re-tipping service.

Diamond Wire Rope



Asahi Diamond Wire Quarrying Rope is primarily used for granite and sandstone quarrying.

Single or multi wire ropes are supplied according to usage; stone quarrying, stone profiling, slab cutting, reinforced concrete cutting etc.

Asahi Diamond provides professional solutions and technical service for all wire rope products and usages.

Bead Dia.	BPM	Description	Colour	Stock Code
8.5mm	37	Stationary Saw – abrasive S/S	Orange	1322
11.5mm	40	Profile Wire – sandstone	Black	1072HR
11.5mm	40	Quarrying Wire – sandstone	Green	1221HH
11.5mm	40	Quarrying Wire – hard S/S rubber spacers	Black	1221HHR

Wire Rope Joiners

Bead Dia.	Description	Stock Code
11.5mm	Wire Joiners for 11.5mm wire	1751
8.5mm	Wire Joiners for 8.5mm wire	1859

Crimping Tool

Description	Stock Code
Crimping Tool for wire joiner	2109

Notes...