Product Catalogue

Construction
# 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  
Light Duty Water Swivels ................................................................................................ 18  
Durastar Diamond Blades – General Purpose .................................................................. 19  
Durastar Diamond Blades – General Purpose with Flange .............................................. 20  
Durastar Diamond Blades – Granite ................................................................................... 21  
Durastar Diamond Blades – Granite with Flange .............................................................. 22  
Multi Cutter Diamond Blades with Flange ....................................................................... 23  
Astra Wave Cutters ........................................................................................................... 24  
Professional Segmented Diamond Blades – Reconstituted Stone .................................... 25  
Professional Segmented Diamond Blades – Abrasives ..................................................... 26  
Granite Cutting Blades ...................................................................................................... 27  
Marble Cutting Blades ...................................................................................................... 28  
Core Cutting Saw Blades .................................................................................................. 29  
Sandstone Cutting Blades ............................................................................................... 30  
Ultra Thin Tile Cutters – Porcelain ................................................................................... 31  
Continuous Tile Cutters – Premium Wet/Dry ................................................................... 32  
Electroplated Diamond Blades ........................................................................................ 33  
Electroplated Flush Cut Blades with Flange ...................................................................... 34
Introduction

Asahi Diamond Industrial is one of the world leaders in Diamond tooling supporting the Engineering, Construction and Mining sectors with high quality Diamond products that are reliable and cost effective. Technology advances are so rapid that one year old technology may be considered redundant. To keep pace with these technological advances Asahi Diamond continually develops and modifies high precision, highly efficient tools, while promoting application development.

Used in a wide range of applications, Diamond tools are 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.

Asahi Diamond Industrial through a stable supply of raw materials and through a constant development process can 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 of all types in the modern industrial world. An engineer was appointed to the staff 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 set up the following year. Similar plants were 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.

Asahi Australia were manufacturing and marketing industrial Diamond products right up until 2002 at the principal office and factory located in Mona Vale NSW, a northern beaches suburb of Sydney. Sales Offices are still maintained at these premises with products being sourced from our Group Companies in Japan, France, South Korea, Taiwan and Indonesia, with our products and services being 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, 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 in total to our Jakarta plant at this time, and now produces 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 our previous two, and 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 personalized 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: Indonesia, Japan, Taiwan.
Global presence: Australia, Japan, Indonesia, Thailand, China, Taiwan, United Stated of America, Europe, Russia, Mongolia, Singapore, Malaysia, Vietnam, Cambodia, Philippines, South America, South Africa, DK Congo, Myanmar, 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

<table>
<thead>
<tr>
<th>Larger Chips</th>
<th>Smaller Chips</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material to be cut</td>
<td></td>
</tr>
<tr>
<td>Small grain size</td>
<td>Larger grain size</td>
</tr>
<tr>
<td>Cracked grain structure</td>
<td>Homogenous grain structure</td>
</tr>
<tr>
<td>Strongly cemented grains</td>
<td>Weakly cemented grains</td>
</tr>
<tr>
<td>Friable grains</td>
<td>High strength grains</td>
</tr>
</tbody>
</table>

| 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.

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

<table>
<thead>
<tr>
<th>Blade Diameter (mm)</th>
<th>25</th>
<th>30</th>
<th>35</th>
<th>40</th>
<th>45</th>
<th>50</th>
<th>55</th>
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<td>4,780</td>
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<td>1,910</td>
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<td>3,060</td>
<td>3,440</td>
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<tr>
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<td>1,670</td>
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<td>2,380</td>
<td>2,800</td>
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<td>480</td>
<td>530</td>
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<td>420</td>
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<td>500</td>
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<td>290</td>
<td>320</td>
<td>360</td>
<td>380</td>
<td>410</td>
</tr>
</tbody>
</table>
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.

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

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

Recommended Drill Speeds

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

<table>
<thead>
<tr>
<th>TWB Diameter (mm)</th>
<th>Drill Speed (RPM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 – 29</td>
<td>3,000</td>
</tr>
<tr>
<td>30 – 45</td>
<td>1,500</td>
</tr>
<tr>
<td>46 – 65</td>
<td>1,200</td>
</tr>
<tr>
<td>66 – 89</td>
<td>900</td>
</tr>
<tr>
<td>90 – 125</td>
<td>600</td>
</tr>
<tr>
<td>126 – 200</td>
<td>450</td>
</tr>
<tr>
<td>201 – 400</td>
<td>300</td>
</tr>
<tr>
<td>400 up</td>
<td>150</td>
</tr>
</tbody>
</table>
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 Technology
- Normal fast cut design
- Normal sustainable cut design
- Conventional products

Cutting speed

No. of cutting
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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Diameter (in.)</th>
<th>T Segment (mm)</th>
<th>W Segment (mm)</th>
<th>Segment</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>350</td>
<td>14&quot;</td>
<td>3.2mm</td>
<td>10.00mm</td>
<td>Turbo</td>
<td>A14HS</td>
</tr>
<tr>
<td>416</td>
<td>16&quot;</td>
<td>3.6mm</td>
<td>10.00mm</td>
<td>Turbo</td>
<td>A16HS</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Diameter (in.)</th>
<th>Segment T (mm)</th>
<th>Segment W (mm)</th>
<th>Segment</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>460</td>
<td>18”</td>
<td>4.00mm</td>
<td>13.00mm</td>
<td>Standard Arix</td>
<td>A18FS</td>
</tr>
<tr>
<td>500</td>
<td>20”</td>
<td>4.00mm</td>
<td>13.00mm</td>
<td>Standard Arix</td>
<td>A20FS</td>
</tr>
<tr>
<td>600</td>
<td>24”</td>
<td>4.00mm</td>
<td>13.00mm</td>
<td>Standard Arix</td>
<td>A24FS</td>
</tr>
<tr>
<td>750</td>
<td>30”</td>
<td>4.00mm</td>
<td>13.00mm</td>
<td>Standard Arix</td>
<td>A30FS</td>
</tr>
<tr>
<td>800</td>
<td>32”</td>
<td>4.00mm</td>
<td>13.00mm</td>
<td>Standard Arix</td>
<td>A32FS</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Diameter (in.)</th>
<th>Segment T</th>
<th>Segment W</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000</td>
<td>40”</td>
<td>4.40mm</td>
<td>12.00mm</td>
<td>Su-Notch</td>
</tr>
<tr>
<td>1200</td>
<td>48”</td>
<td>4.40mm</td>
<td>12.00mm</td>
<td>Su-Notch</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>(in.)</th>
<th>T</th>
<th>W</th>
<th>Hole (mm)</th>
<th>Segment</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>415</td>
<td>16&quot;</td>
<td>3.2mm</td>
<td>15.0mm</td>
<td>60</td>
<td>Silent</td>
<td>5489G</td>
</tr>
<tr>
<td>415</td>
<td>16&quot;</td>
<td>3.2mm</td>
<td>15.0mm</td>
<td>60</td>
<td>Silent</td>
<td>5489G/T1</td>
</tr>
<tr>
<td>470</td>
<td>18&quot;</td>
<td>3.2mm</td>
<td>15.0mm</td>
<td>60</td>
<td>Silent</td>
<td>5491/15G</td>
</tr>
<tr>
<td>470</td>
<td>18&quot;</td>
<td>3.2mm</td>
<td>15.0mm</td>
<td>60</td>
<td>Silent</td>
<td>5491/15GT1</td>
</tr>
<tr>
<td>470</td>
<td>18&quot;</td>
<td>3.2mm</td>
<td>15.0mm</td>
<td>90</td>
<td>Silent</td>
<td>5491/15G90H</td>
</tr>
<tr>
<td>508</td>
<td>20&quot;</td>
<td>4.0mm</td>
<td>15.0mm</td>
<td>60</td>
<td>Silent</td>
<td>5496/15G</td>
</tr>
<tr>
<td>600</td>
<td>24&quot;</td>
<td>4.4mm</td>
<td>15.0mm</td>
<td>100</td>
<td>Silent</td>
<td>5018G</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Length (mm)</th>
<th>Type</th>
<th>Connector</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>450</td>
<td>Crown</td>
<td>1 ¼” UNC</td>
<td>ATWBC18</td>
</tr>
<tr>
<td>20</td>
<td>450</td>
<td>Crown</td>
<td>1 ¼” UNC</td>
<td>ATWBC20</td>
</tr>
<tr>
<td>22</td>
<td>450</td>
<td>Crown</td>
<td>1 ¼” UNC</td>
<td>ATWBC22</td>
</tr>
<tr>
<td>24</td>
<td>450</td>
<td>Crown</td>
<td>1 ¼” UNC</td>
<td>ATWBC24</td>
</tr>
<tr>
<td>25</td>
<td>450</td>
<td>Crown</td>
<td>1 ¼” UNC</td>
<td>ATWBC25</td>
</tr>
<tr>
<td>28</td>
<td>450</td>
<td>Crown</td>
<td>1 ¼” UNC</td>
<td>ATWBC28</td>
</tr>
<tr>
<td>30</td>
<td>450</td>
<td>Crown</td>
<td>1 ¼” UNC</td>
<td>ATWBC30</td>
</tr>
<tr>
<td>32</td>
<td>450</td>
<td>Crown</td>
<td>1 ¼” UNC</td>
<td>ATWBC32</td>
</tr>
<tr>
<td>35</td>
<td>450</td>
<td>Crown</td>
<td>1 ¼” UNC</td>
<td>ATWBC35</td>
</tr>
<tr>
<td>38</td>
<td>450</td>
<td>Crown</td>
<td>1 ¼” UNC</td>
<td>ATWBC38</td>
</tr>
<tr>
<td>40</td>
<td>450</td>
<td>Segment</td>
<td>1 ¼” UNC</td>
<td>ATWBC40</td>
</tr>
<tr>
<td>45</td>
<td>450</td>
<td>Segment</td>
<td>1 ¼” UNC</td>
<td>ATWBC45</td>
</tr>
<tr>
<td>48</td>
<td>450</td>
<td>Segment</td>
<td>1 ¼” UNC</td>
<td>ATWBC48</td>
</tr>
<tr>
<td>52</td>
<td>450</td>
<td>Segment</td>
<td>1 ¼” UNC</td>
<td>ATWBS52</td>
</tr>
<tr>
<td>64</td>
<td>450</td>
<td>Segment</td>
<td>1 ¼” UNC</td>
<td>ATWBS64</td>
</tr>
<tr>
<td>77</td>
<td>450</td>
<td>Segment</td>
<td>1 ¼” UNC</td>
<td>ATWBS77</td>
</tr>
<tr>
<td>84</td>
<td>450</td>
<td>Segment</td>
<td>1 ¼” UNC</td>
<td>ATWBS84</td>
</tr>
<tr>
<td>92</td>
<td>450</td>
<td>Segment</td>
<td>1 ¼” UNC</td>
<td>ATWBS92</td>
</tr>
<tr>
<td>102</td>
<td>450</td>
<td>Segment</td>
<td>1 ¼” UNC</td>
<td>ATWBS102</td>
</tr>
<tr>
<td>107</td>
<td>450</td>
<td>Segment</td>
<td>1 ¼” UNC</td>
<td>ATWBS107</td>
</tr>
<tr>
<td>127</td>
<td>450</td>
<td>Segment</td>
<td>1 ¼” UNC</td>
<td>ATWBS127</td>
</tr>
<tr>
<td>152</td>
<td>450</td>
<td>Segment</td>
<td>1 ¼” UNC</td>
<td>ATWBS152</td>
</tr>
<tr>
<td>182</td>
<td>450</td>
<td>Segment</td>
<td>1 ¼” UNC</td>
<td>ATWBS182</td>
</tr>
<tr>
<td>202</td>
<td>450</td>
<td>Segment</td>
<td>1 ¼” UNC</td>
<td>ATWBS202</td>
</tr>
<tr>
<td>225</td>
<td>450</td>
<td>Segment</td>
<td>1 ¼” UNC</td>
<td>ATWBS225</td>
</tr>
<tr>
<td>250</td>
<td>450</td>
<td>Segment</td>
<td>1 ¼” UNC</td>
<td>ATWBS250</td>
</tr>
<tr>
<td>300</td>
<td>450</td>
<td>Segment</td>
<td>1 ¼” UNC</td>
<td>ATWBS300</td>
</tr>
</tbody>
</table>
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.

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

<table>
<thead>
<tr>
<th>Description</th>
<th>Input Size</th>
<th>Output Size</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>TWB Water Swivel standard ½” chuck</td>
<td>13mm - ½”</td>
<td>1 ¼” UNC</td>
<td>811</td>
</tr>
<tr>
<td>TWB Water Swivel Adaptor for standard ½” chuck</td>
<td>13mm - ½”</td>
<td>½” UNF</td>
<td>3793</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Diameter (in.)</th>
<th>Segment T (mm)</th>
<th>Segment W (mm)</th>
<th>Bore Size (mm)</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>4&quot;</td>
<td>1.8</td>
<td>7.5</td>
<td>22.23 / 20.00</td>
<td>8058</td>
</tr>
<tr>
<td>125</td>
<td>5&quot;</td>
<td>2.0</td>
<td>7.5</td>
<td>22.23 / 20.00</td>
<td>8059</td>
</tr>
<tr>
<td>150</td>
<td>6&quot;</td>
<td>2.2</td>
<td>7.5</td>
<td>22.23 / 20.00</td>
<td>8030</td>
</tr>
<tr>
<td>180</td>
<td>7&quot;</td>
<td>2.2</td>
<td>7.5</td>
<td>25.40 / 22.23</td>
<td>8060</td>
</tr>
<tr>
<td>230</td>
<td>9&quot;</td>
<td>2.6</td>
<td>7.5</td>
<td>25.40 / 22.23</td>
<td>8061</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Segment T (mm)</th>
<th>Segment W (mm)</th>
<th>Material</th>
<th>Mounting</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>1.8</td>
<td>7.5</td>
<td>General Purpose</td>
<td>M14 Flange</td>
<td>8058FLAN</td>
</tr>
<tr>
<td>125</td>
<td>2.0</td>
<td>7.5</td>
<td>General Purpose</td>
<td>M14 Flange</td>
<td>8059FLAN</td>
</tr>
<tr>
<td>230</td>
<td>2.6</td>
<td>7.5</td>
<td>General Purpose</td>
<td>M14 Flange</td>
<td>8061FLAN</td>
</tr>
</tbody>
</table>
Asahi Durastar Diamond Blades for granite are a professional blade with side protection.

**Designed for cutting materials including:** Granite and hard brick.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Diameter (in.)</th>
<th>Segment T (mm)</th>
<th>Segment W (mm)</th>
<th>Bore Size (mm)</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>125</td>
<td>5&quot;</td>
<td>2.0</td>
<td>7.5</td>
<td>22.23 / 20.00</td>
<td>8059B</td>
</tr>
<tr>
<td>180</td>
<td>7&quot;</td>
<td>2.2</td>
<td>7.5</td>
<td>25.40 / 22.23</td>
<td>8060B</td>
</tr>
<tr>
<td>230</td>
<td>9&quot;</td>
<td>2.6</td>
<td>7.5</td>
<td>25.40 / 22.23</td>
<td>8061B</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>(in.)</th>
<th>Segment T</th>
<th>Segment W</th>
<th>Mounting</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>125</td>
<td>5”</td>
<td>2.0mm</td>
<td>7.5mm</td>
<td>M14 Flange</td>
<td>8059BFLAN</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Segment (in.)</th>
<th>T</th>
<th>W</th>
<th>Material</th>
<th>Mounting</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>125</td>
<td>5&quot;</td>
<td>2.4mm</td>
<td>7.5mm</td>
<td>General Purpose</td>
<td>M14 Flange</td>
<td>2631</td>
</tr>
<tr>
<td>230</td>
<td>9&quot;</td>
<td>3.0mm</td>
<td>8.0mm</td>
<td>General Purpose</td>
<td>M14 Flange</td>
<td>2632</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Segment T</th>
<th>Segment W</th>
<th>Bore Size (mm)</th>
<th>Description</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>4&quot;</td>
<td>2.4mm</td>
<td>7.0mm</td>
<td>22.23/20</td>
<td>AWC</td>
</tr>
<tr>
<td>125</td>
<td>5&quot;</td>
<td>2.4mm</td>
<td>7.0mm</td>
<td>22.23/20</td>
<td>AWC</td>
</tr>
<tr>
<td>125</td>
<td>5&quot;</td>
<td>2.4mm</td>
<td>7.0mm</td>
<td>22.23/20</td>
<td>Reinforced AWC</td>
</tr>
<tr>
<td>150</td>
<td>6&quot;</td>
<td>2.4mm</td>
<td>7.0mm</td>
<td>22.23/20</td>
<td>AWC</td>
</tr>
<tr>
<td>180</td>
<td>7&quot;</td>
<td>2.4mm</td>
<td>7.0mm</td>
<td>25.4/22.23</td>
<td>AWC</td>
</tr>
<tr>
<td>180</td>
<td>7&quot;</td>
<td>2.4mm</td>
<td>7.0mm</td>
<td>25.4</td>
<td>Stone Fire Super Hard</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Segment T</th>
<th>Segment W</th>
<th>Bore Size (mm)</th>
<th>Description</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>4&quot;</td>
<td>2.4mm</td>
<td>7.0mm</td>
<td>Convex</td>
<td>7407</td>
</tr>
<tr>
<td>125</td>
<td>5&quot;</td>
<td>2.4mm</td>
<td>7.0mm</td>
<td>Convex</td>
<td>1938</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>(in.)</th>
<th>Segment T (mm)</th>
<th>Segment W (mm)</th>
<th>Bore Size (mm)</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>125</td>
<td>5&quot;</td>
<td>2.4mm</td>
<td>7.0mm</td>
<td>22.23/20</td>
<td>8054/1</td>
</tr>
<tr>
<td>125</td>
<td>5&quot;</td>
<td>2.4mm</td>
<td>9.0mm</td>
<td>22.23/20</td>
<td>8054/2</td>
</tr>
<tr>
<td>150</td>
<td>6&quot;</td>
<td>2.4mm</td>
<td>7+2mm</td>
<td>22.23/20</td>
<td>8064/1</td>
</tr>
<tr>
<td>200</td>
<td>8&quot;</td>
<td>2.4mm</td>
<td>7+2mm</td>
<td>1″/22.23</td>
<td>8084/1</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Diameter (in.)</th>
<th>Segment T (mm)</th>
<th>Segment W (mm)</th>
<th>Bore Size (mm)</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>125</td>
<td>5&quot;</td>
<td>2.0</td>
<td>7.5</td>
<td>22.23/20</td>
<td>1432</td>
</tr>
<tr>
<td>180</td>
<td>7&quot;</td>
<td>2.0</td>
<td>7.5</td>
<td>1”/22.23</td>
<td>1435</td>
</tr>
<tr>
<td>230</td>
<td>9&quot;</td>
<td>2.0</td>
<td>10.0</td>
<td>1”/22.23</td>
<td>8070</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Segment</th>
<th>Bore Size (mm)</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>415</td>
<td>16&quot;</td>
<td>3.4mm</td>
<td>Silent</td>
</tr>
<tr>
<td>470</td>
<td>18&quot;</td>
<td>3.6mm</td>
<td>Silent</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Segment T (mm)</th>
<th>Bore Size (mm)</th>
<th>Description</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>3.2mm</td>
<td>8.0mm</td>
<td>Silent</td>
<td>5490</td>
</tr>
<tr>
<td>455</td>
<td>3.4mm</td>
<td>7.0mm</td>
<td>Silent</td>
<td>636</td>
</tr>
<tr>
<td>495</td>
<td>4.0mm</td>
<td>7.0mm</td>
<td>Silent</td>
<td>32-0503</td>
</tr>
<tr>
<td>650</td>
<td>4.4mm</td>
<td>10.0mm</td>
<td>Silent</td>
<td>606</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Diameter (in.)</th>
<th>Segment Type</th>
<th>Segment Size</th>
<th>Bore Size</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>300</td>
<td>12&quot;</td>
<td>Hard Core</td>
<td>40 x 2.4 x 7</td>
<td>1&quot;</td>
<td>4628/1</td>
</tr>
<tr>
<td>300</td>
<td>12&quot;</td>
<td>Medium / Hard Core</td>
<td>40 x 2.4 x 7</td>
<td>1&quot;</td>
<td>4628/2</td>
</tr>
<tr>
<td>350</td>
<td>14&quot;</td>
<td>Hard Core</td>
<td>40 x 2.4 x 7</td>
<td>1&quot;</td>
<td>7947/1</td>
</tr>
<tr>
<td>350</td>
<td>14&quot;</td>
<td>Medium / Hard Core</td>
<td>40 x 2.4 x 7</td>
<td>1&quot;</td>
<td>7947</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Segment Width (in.)</th>
<th>Bore Size (mm)</th>
<th>Description</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>600</td>
<td>24&quot;</td>
<td>6.0mm</td>
<td>Horizontal</td>
<td>2275</td>
</tr>
<tr>
<td>600</td>
<td>24&quot;</td>
<td>6.0mm</td>
<td>Standard</td>
<td>2295</td>
</tr>
<tr>
<td>600</td>
<td>24&quot;</td>
<td>8.0mm</td>
<td>Silent</td>
<td>2296</td>
</tr>
<tr>
<td>600</td>
<td>24&quot;</td>
<td>8.0mm</td>
<td>Horizontal</td>
<td>2802</td>
</tr>
<tr>
<td>700</td>
<td>28&quot;</td>
<td>6.0mm</td>
<td>Noise Reduced</td>
<td>796</td>
</tr>
<tr>
<td>700</td>
<td>28&quot;</td>
<td>6.0mm</td>
<td>Standard</td>
<td>796/STD</td>
</tr>
<tr>
<td>800</td>
<td>32&quot;</td>
<td>6.0mm</td>
<td>Standard</td>
<td>1501H</td>
</tr>
<tr>
<td>800</td>
<td>32&quot;</td>
<td>6.0mm</td>
<td>Noise Reduced</td>
<td>4403</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Segment</th>
<th>Bore Size</th>
<th>Description</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>(mm)</td>
<td>T</td>
<td>(mm)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>105</td>
<td>4”</td>
<td>1.2mm</td>
<td>10.0mm</td>
<td>22.23/20</td>
</tr>
<tr>
<td>125</td>
<td>5”</td>
<td>1.2mm</td>
<td>10.0mm</td>
<td>22.23/20</td>
</tr>
</tbody>
</table>
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.

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

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Diameter (in.)</th>
<th>Shape</th>
<th>Style</th>
<th>Bore Size (mm)</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>4&quot;</td>
<td>Segmented / spoked</td>
<td>Plated</td>
<td>20</td>
<td>1567</td>
</tr>
<tr>
<td>125</td>
<td>5&quot;</td>
<td>Segmented / spoked</td>
<td>Plated</td>
<td>22.23/20</td>
<td>36-0502</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>(in.)</th>
<th>Shape</th>
<th>Style</th>
<th>Mounting</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>125</td>
<td>5&quot;</td>
<td>Flat Continuous</td>
<td>Plated</td>
<td>M14 Flange</td>
<td>2633</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Diameter (in.)</th>
<th>Shape</th>
<th>Style</th>
<th>Bore Size (mm)</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>115</td>
<td>4.5”</td>
<td>Convex</td>
<td>BT</td>
<td>22.23/20</td>
<td>624</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Segment T (mm)</th>
<th>Segment W (mm)</th>
<th>Segment Type</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>350</td>
<td>2.8</td>
<td>10.0</td>
<td>Max Wave</td>
<td>4940</td>
</tr>
<tr>
<td>350</td>
<td>2.8</td>
<td>10.0</td>
<td>Max Wave – Silent</td>
<td>4940S</td>
</tr>
<tr>
<td>500</td>
<td>3.2</td>
<td>10.0</td>
<td>Max Wave</td>
<td>9153</td>
</tr>
<tr>
<td>600</td>
<td>3.6</td>
<td>10.0</td>
<td>Max Wave</td>
<td>9154</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Segment Width (in.)</th>
<th>T</th>
<th>W</th>
<th>Segment Type</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>350</td>
<td>14&quot;</td>
<td>3.2mm</td>
<td>12.0mm</td>
<td>Max Wave - Silent</td>
<td>4710S</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Diameter (in.)</th>
<th>Segment T (mm)</th>
<th>Segment W (mm)</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>300</td>
<td>12&quot;</td>
<td>2.8</td>
<td>10.0</td>
<td>Max Wave</td>
</tr>
<tr>
<td>350</td>
<td>14&quot;</td>
<td>2.8</td>
<td>10.0</td>
<td>Max Wave</td>
</tr>
<tr>
<td>350</td>
<td>14&quot;</td>
<td>2.8</td>
<td>10.0</td>
<td>Max Wave – Silent</td>
</tr>
<tr>
<td>416</td>
<td>16&quot;</td>
<td>3.2</td>
<td>10.0</td>
<td>Max Wave</td>
</tr>
<tr>
<td>405</td>
<td>16&quot;</td>
<td>3.2</td>
<td>10.0</td>
<td>Max Wave</td>
</tr>
</tbody>
</table>
Asahi Laser Welded Diamond Blades are designed for use with brick saws, concrete saws, and demolition saws.

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

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

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>(in.)</th>
<th>Segment T</th>
<th>Segment W</th>
<th>Segment</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>350</td>
<td>14&quot;</td>
<td>3.2mm</td>
<td>12.0mm</td>
<td>Turbo</td>
<td>4950</td>
</tr>
<tr>
<td>416</td>
<td>16&quot;</td>
<td>3.2mm</td>
<td>12.0mm</td>
<td>Turbo</td>
<td>4951</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>(in.)</th>
<th>Segment T</th>
<th>W</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>300</td>
<td>12&quot;</td>
<td>2.8mm</td>
<td>10.0mm</td>
<td>Max Wave</td>
</tr>
<tr>
<td>350</td>
<td>14&quot;</td>
<td>2.8mm</td>
<td>10.0mm</td>
<td>Max Wave</td>
</tr>
<tr>
<td>350</td>
<td>14&quot;</td>
<td>2.8mm</td>
<td>10.0mm</td>
<td>Max Wave – Silent</td>
</tr>
<tr>
<td>405</td>
<td>16&quot;</td>
<td>3.0mm</td>
<td>10.0mm</td>
<td>Max Wave</td>
</tr>
<tr>
<td>500</td>
<td>20&quot;</td>
<td>3.4mm</td>
<td>8.5mm</td>
<td>Laser Block – Silent</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Length (mm)</th>
<th>Type</th>
<th>Connector</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>1(\frac{1}{4})“</td>
<td>60</td>
<td>Non-core</td>
<td>Std. Shank</td>
</tr>
<tr>
<td>10</td>
<td>1(\frac{13}{32})“</td>
<td>60</td>
<td>Non-core</td>
<td>Std. Shank</td>
</tr>
<tr>
<td>12</td>
<td>1(\frac{1}{2})“</td>
<td>60</td>
<td>Non-core</td>
<td>Std. Shank</td>
</tr>
<tr>
<td>15</td>
<td>1(\frac{19}{32})“</td>
<td>60</td>
<td>Crown</td>
<td>Std. Shank</td>
</tr>
<tr>
<td>20</td>
<td>1(\frac{25}{32})“</td>
<td>60</td>
<td>Crown</td>
<td>Std. Shank</td>
</tr>
<tr>
<td>25</td>
<td>1“</td>
<td>60</td>
<td>Crown</td>
<td>Std. Shank</td>
</tr>
<tr>
<td>30</td>
<td>1(\frac{3}{16})“</td>
<td>60</td>
<td>Segment</td>
<td>Std. Shank</td>
</tr>
<tr>
<td>32</td>
<td>1 (\frac{1}{4})“</td>
<td>60</td>
<td>Segment</td>
<td>Std. Shank</td>
</tr>
<tr>
<td>35</td>
<td>1 (\frac{1}{4})“</td>
<td>70</td>
<td>Segment</td>
<td>Std. Shank</td>
</tr>
<tr>
<td>38</td>
<td>1 (\frac{1}{2})“</td>
<td>70</td>
<td>Segment</td>
<td>Std. Shank</td>
</tr>
<tr>
<td>45</td>
<td>1 (\frac{3}{4})“</td>
<td>70</td>
<td>Segment</td>
<td>Std. Shank</td>
</tr>
<tr>
<td>50</td>
<td>2“</td>
<td>70</td>
<td>Segment</td>
<td>Std. Shank</td>
</tr>
<tr>
<td>70</td>
<td>2 (\frac{3}{4})“</td>
<td>70</td>
<td>Segment</td>
<td>Std. Shank</td>
</tr>
<tr>
<td>80</td>
<td>3 (\frac{5}{32})“</td>
<td>70</td>
<td>Segment</td>
<td>Std. Shank</td>
</tr>
<tr>
<td>100</td>
<td>4“</td>
<td>70</td>
<td>Segment</td>
<td>Std. Shank</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Diameter (in.)</th>
<th>Length (mm)</th>
<th>Type</th>
<th>Connector</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>¼”</td>
<td>60</td>
<td>Non-core</td>
<td>M14</td>
<td>CDB-06</td>
</tr>
<tr>
<td>8</td>
<td>11/32”</td>
<td>60</td>
<td>Non-core</td>
<td>M14</td>
<td>CDB-08</td>
</tr>
<tr>
<td>10</td>
<td>13/32”</td>
<td>60</td>
<td>Non-core</td>
<td>M14</td>
<td>CDB-10</td>
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<tr>
<td>12</td>
<td>½”</td>
<td>60</td>
<td>Non-core</td>
<td>M14</td>
<td>CDB-12</td>
</tr>
<tr>
<td>15</td>
<td>19/32”</td>
<td>70</td>
<td>Crown</td>
<td>M14</td>
<td>CDB-15</td>
</tr>
<tr>
<td>20</td>
<td>25/32”</td>
<td>70</td>
<td>Crown</td>
<td>M14</td>
<td>CDB-20</td>
</tr>
<tr>
<td>25</td>
<td>1”</td>
<td>70</td>
<td>Crown</td>
<td>M14</td>
<td>CDB-25</td>
</tr>
<tr>
<td>30</td>
<td>1 3/16”</td>
<td>70</td>
<td>Segment</td>
<td>M14</td>
<td>CDB-30</td>
</tr>
<tr>
<td>32</td>
<td>1 ¼”</td>
<td>70</td>
<td>Segment</td>
<td>M14</td>
<td>CDB-32</td>
</tr>
<tr>
<td>35</td>
<td>1 ⅞”</td>
<td>70</td>
<td>Segment</td>
<td>M14</td>
<td>CDB-35</td>
</tr>
<tr>
<td>38</td>
<td>1 ½”</td>
<td>70</td>
<td>Segment</td>
<td>M14</td>
<td>CDB-38</td>
</tr>
<tr>
<td>40</td>
<td>1 19/32”</td>
<td>70</td>
<td>Segment</td>
<td>M14</td>
<td>CDB-40</td>
</tr>
<tr>
<td>50</td>
<td>2”</td>
<td>70</td>
<td>Segment</td>
<td>M14</td>
<td>CDB-50</td>
</tr>
<tr>
<td>60</td>
<td>2 ⅜”</td>
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<td>Segment</td>
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<td>CDB-60</td>
</tr>
<tr>
<td>65</td>
<td>2 ½”</td>
<td>70</td>
<td>Segment</td>
<td>M14</td>
<td>CDB-65</td>
</tr>
<tr>
<td>70</td>
<td>2 ¾”</td>
<td>70</td>
<td>Segment</td>
<td>M14</td>
<td>CDB-70</td>
</tr>
<tr>
<td>80</td>
<td>3 5/32”</td>
<td>70</td>
<td>Segment</td>
<td>M14</td>
<td>CDB-80</td>
</tr>
<tr>
<td>100</td>
<td>4”</td>
<td>70</td>
<td>Segment</td>
<td>M14</td>
<td>CDB-100</td>
</tr>
<tr>
<td>110</td>
<td>4 1/4 “</td>
<td>70</td>
<td>Segment</td>
<td>M14</td>
<td>CDB-110</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Diameter (in.)</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>1/4&quot;</td>
<td>1129</td>
</tr>
<tr>
<td>8</td>
<td>5/16&quot;</td>
<td>1132</td>
</tr>
<tr>
<td>10</td>
<td>13/32&quot;</td>
<td>1135</td>
</tr>
<tr>
<td>12</td>
<td>1/2&quot;</td>
<td>1146</td>
</tr>
<tr>
<td>15</td>
<td>5/8&quot;</td>
<td>1149</td>
</tr>
<tr>
<td>20</td>
<td>25/32&quot;</td>
<td>1158</td>
</tr>
<tr>
<td>35</td>
<td>1 3/8&quot;</td>
<td>1175</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>(mm)</td>
<td>(in.)</td>
</tr>
<tr>
<td>6</td>
<td>¼”</td>
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<tr>
<td>8</td>
<td>5/16”</td>
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<tr>
<td>10</td>
<td>13/32”</td>
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<tr>
<td>12</td>
<td>½”</td>
</tr>
<tr>
<td>15</td>
<td>¾”</td>
</tr>
<tr>
<td>20</td>
<td>25/32”</td>
</tr>
<tr>
<td>35</td>
<td>1 ¾”</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Grit Size</th>
<th>Type</th>
<th>Material</th>
<th>Mounting</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>4&quot;</td>
<td>Turbo</td>
<td>Sandstone</td>
<td>M14</td>
<td>9020M14</td>
</tr>
<tr>
<td>125</td>
<td>5&quot;</td>
<td>Turbo</td>
<td>Sandstone</td>
<td>M14</td>
<td>9025M14</td>
</tr>
<tr>
<td>150</td>
<td>6&quot;</td>
<td>Turbo</td>
<td>Sandstone</td>
<td>M14</td>
<td>9026M14</td>
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<tr>
<td>100</td>
<td>4&quot;</td>
<td>Turbo</td>
<td>Granite</td>
<td>M14</td>
<td>36-01010</td>
</tr>
<tr>
<td>100</td>
<td>4&quot;</td>
<td>Turbo</td>
<td>Granite</td>
<td>M14</td>
<td>9022M14-M</td>
</tr>
<tr>
<td>100</td>
<td>4&quot;</td>
<td>Turbo</td>
<td>Granite</td>
<td>M14</td>
<td>9022M14F</td>
</tr>
<tr>
<td>100</td>
<td>4&quot;</td>
<td>Turbo</td>
<td>Granite</td>
<td>Snail Back</td>
<td>9051</td>
</tr>
<tr>
<td>100</td>
<td>4&quot;</td>
<td>Turbo</td>
<td>Granite</td>
<td>Snail Back</td>
<td>9053</td>
</tr>
</tbody>
</table>
Concrete Cup Grinding Wheels

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

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Diameter (in.)</th>
<th>Type</th>
<th>Mounting</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>103</td>
<td>4&quot;</td>
<td>Double row</td>
<td>22.23H</td>
<td>CGWD – 4.0</td>
</tr>
<tr>
<td>125</td>
<td>5&quot;</td>
<td>Double row</td>
<td>22.23H</td>
<td>CGWD – 5.0</td>
</tr>
<tr>
<td>180</td>
<td>7&quot;</td>
<td>Double row</td>
<td>22.23H</td>
<td>7360</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Grit Size</th>
<th>Type</th>
<th>Mounting</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>103 4”</td>
<td>50</td>
<td>Resin</td>
<td>M14</td>
<td>2041T</td>
</tr>
<tr>
<td>103 4”</td>
<td>80</td>
<td>Resin</td>
<td>M14</td>
<td>2041T-80</td>
</tr>
<tr>
<td>103 4”</td>
<td>120</td>
<td>Resin</td>
<td>M14</td>
<td>2041T-120</td>
</tr>
<tr>
<td>100 4”</td>
<td>50</td>
<td>Resin</td>
<td>Magnetic</td>
<td>659</td>
</tr>
<tr>
<td>100 4”</td>
<td>80</td>
<td>Resin</td>
<td>Magnetic</td>
<td>659M</td>
</tr>
<tr>
<td>100 4”</td>
<td>120</td>
<td>Resin</td>
<td>Magnetic</td>
<td>660</td>
</tr>
<tr>
<td>100 4”</td>
<td>20</td>
<td>Full Cup</td>
<td>Magnetic</td>
<td>MAG20</td>
</tr>
<tr>
<td>100 4”</td>
<td>60</td>
<td>Full Cup</td>
<td>Magnetic</td>
<td>MAG60</td>
</tr>
<tr>
<td>100 4”</td>
<td>120</td>
<td>Full Cup</td>
<td>Magnetic</td>
<td>MAG120</td>
</tr>
<tr>
<td>100 4”</td>
<td>200</td>
<td>Full Cup</td>
<td>Magnetic</td>
<td>MAG200</td>
</tr>
<tr>
<td>100 4”</td>
<td>400</td>
<td>Full Cup</td>
<td>Magnetic</td>
<td>MAG400</td>
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</table>
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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>(in.)</th>
<th>Type</th>
<th>Grit Size</th>
<th>Connector</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>19/32</td>
<td>BT</td>
<td>Coarse</td>
<td>M14</td>
<td>715WC</td>
</tr>
<tr>
<td>20</td>
<td>25/32&quot;</td>
<td>BT</td>
<td>Coarse</td>
<td>M14</td>
<td>720WC</td>
</tr>
<tr>
<td>20</td>
<td>25/32&quot;</td>
<td></td>
<td>Coarse</td>
<td>½&quot; BSP</td>
<td>357RH</td>
</tr>
<tr>
<td>25</td>
<td>1&quot;</td>
<td>BT</td>
<td>Coarse</td>
<td>M14</td>
<td>725W</td>
</tr>
<tr>
<td>25</td>
<td>1&quot;</td>
<td>Resin</td>
<td>Coarse</td>
<td>½&quot; BSP</td>
<td>10804/48</td>
</tr>
<tr>
<td>35</td>
<td>1 3/8&quot;</td>
<td>BT</td>
<td>Coarse</td>
<td>M14</td>
<td>735W</td>
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<tr>
<td>50</td>
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<td>BT</td>
<td>Coarse</td>
<td>M14</td>
<td>750W</td>
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</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Segments</th>
<th>Material</th>
<th>Hole</th>
<th>Stock Code</th>
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</thead>
<tbody>
<tr>
<td>88</td>
<td>20</td>
<td>Granite</td>
<td>3 + 3</td>
<td>2594-1C</td>
</tr>
<tr>
<td>88</td>
<td>20</td>
<td>Sandstone</td>
<td>3 + 3</td>
<td>2594-1S</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Grit Size</th>
<th>Segments</th>
<th>Bond</th>
<th>Mounting</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>250</td>
<td>50</td>
<td>9 + 3mm</td>
<td>Metal</td>
<td>Plate</td>
<td>36-1000</td>
</tr>
<tr>
<td>250</td>
<td>200</td>
<td>9 + 3mm</td>
<td>Metal</td>
<td>Plate</td>
<td>36-1001</td>
</tr>
<tr>
<td>250</td>
<td>400</td>
<td>9 + 3mm</td>
<td>Metal</td>
<td>Plate</td>
<td>36-1002</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Grit Size</th>
<th>Segments</th>
<th>Bond</th>
<th>Mounting</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>250</td>
<td>400</td>
<td>10 + 4mm</td>
<td>Resin</td>
<td>Plate</td>
<td>W2310Z56</td>
</tr>
<tr>
<td>250</td>
<td>800</td>
<td>10 + 4mm</td>
<td>Resin</td>
<td>Plate</td>
<td>W2310Z5A</td>
</tr>
<tr>
<td>250</td>
<td>1500</td>
<td>10 + 4mm</td>
<td>Resin</td>
<td>Plate</td>
<td>W2310Z5E</td>
</tr>
<tr>
<td>250</td>
<td>3000</td>
<td>10 + 4mm</td>
<td>Resin</td>
<td>Plate</td>
<td>W2310Z6H</td>
</tr>
</tbody>
</table>
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).

<table>
<thead>
<tr>
<th>Size</th>
<th>Grit Size</th>
<th>Description</th>
<th>Stock Code</th>
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<tbody>
<tr>
<td>40 x 10 x 10mm</td>
<td>30 – 40</td>
<td>Grinding shoe segment – Coarse</td>
<td>825</td>
</tr>
<tr>
<td>40 x 10 x 10mm</td>
<td>60 – 80</td>
<td>Grinding shoe segment – Medium</td>
<td>825M</td>
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<tr>
<td>40 x 10 x 10mm</td>
<td>80 – 100</td>
<td>Grinding shoe segment – Fine</td>
<td>825F</td>
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</table>
Used wet or dry to obtain mirror finishes on stone surfaces, Asahi White Pads are used for curved surfaces.

<table>
<thead>
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<th>Flex Pad Size</th>
<th>Grit Size</th>
<th>Connection</th>
<th>Stock Code</th>
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</thead>
<tbody>
<tr>
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<td>Velcro</td>
<td>36-400W</td>
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<tr>
<td>100 x 3.6mm</td>
<td>800</td>
<td>Velcro</td>
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<td>1500</td>
<td>Velcro</td>
<td>36-1500W</td>
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<tr>
<td>100 x 3.6mm</td>
<td>3000</td>
<td>Velcro</td>
<td>36-3000W</td>
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</table>
Flex Pads – Reconstituted Stone

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

<table>
<thead>
<tr>
<th>Flex Pad Size</th>
<th>Grit Size</th>
<th>Connection</th>
<th>Stock Code</th>
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<tbody>
<tr>
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<td>Velcro</td>
<td>36-50</td>
</tr>
<tr>
<td>100 x 3.6mm</td>
<td>100</td>
<td>Velcro</td>
<td>36-100</td>
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<tr>
<td>100 x 3.6mm</td>
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<td>36-200</td>
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<td>1500</td>
<td>Velcro</td>
<td>36-1500</td>
</tr>
<tr>
<td>100 x 3.6mm</td>
<td>3000</td>
<td>Velcro</td>
<td>36-3000</td>
</tr>
</tbody>
</table>
Flex Pads – Premium

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

<table>
<thead>
<tr>
<th>Flex Pad Size</th>
<th>Grit Size</th>
<th>Connection</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Velcro</td>
<td>36-01001</td>
</tr>
<tr>
<td>100 x 3.6mm</td>
<td>100</td>
<td>Velcro</td>
<td>36-01002</td>
</tr>
<tr>
<td>100 x 3.6mm</td>
<td>200</td>
<td>Velcro</td>
<td>36-01003</td>
</tr>
<tr>
<td>100 x 3.6mm</td>
<td>400</td>
<td>Velcro</td>
<td>36-01004</td>
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<td>800</td>
<td>Velcro</td>
<td>36-01005</td>
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<tr>
<td>100 x 3.6mm</td>
<td>1500</td>
<td>Velcro</td>
<td>36-01006</td>
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<tr>
<td>100 x 3.6mm</td>
<td>3000</td>
<td>Velcro</td>
<td>36-01007</td>
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<tr>
<td>100 x 3.6mm</td>
<td>BUFF</td>
<td>Velcro</td>
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</tbody>
</table>
Convex Flex Pads

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

<table>
<thead>
<tr>
<th>Convex Flex Pad Size</th>
<th>Grit Size</th>
<th>Connection</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>75 x 10mm</td>
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<td>Velcro</td>
<td>36-9027</td>
</tr>
<tr>
<td>75 x 10mm</td>
<td>100</td>
<td>Velcro</td>
<td>36-9028</td>
</tr>
<tr>
<td>75 x 10mm</td>
<td>200</td>
<td>Velcro</td>
<td>36-9029</td>
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<tr>
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<td>1500</td>
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<td>36-9032</td>
</tr>
<tr>
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<td>Velcro</td>
<td>36-9033</td>
</tr>
<tr>
<td>75 x 10mm</td>
<td>BUFF</td>
<td>Velcro</td>
<td>36-9034</td>
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</table>
Air Grinders & Accessories

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

<table>
<thead>
<tr>
<th>Description</th>
<th>RPM</th>
<th>Connection</th>
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<tbody>
<tr>
<td>100mm Rubber Adaptor</td>
<td>-</td>
<td>M14</td>
<td>36-0100</td>
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<td>100mm Velcro Pad</td>
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<tr>
<td>Gison 4” Air Grinder – Wet</td>
<td>4500</td>
<td>M14</td>
<td>GPW-7</td>
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<td>Gison 5 ½” Air Grinder – Dry</td>
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<td>M14</td>
<td>GPW-211</td>
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<tr>
<td>Gison 5 ½” Air Grinder – Wet</td>
<td>11000</td>
<td>M14</td>
<td>GPW-215</td>
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<td>Gison 5” Air Cutter – Wet</td>
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<td>M14</td>
<td>GPW-215C</td>
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<td>Gison 7” Air Grinder – Wet</td>
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<td>M14</td>
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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.

<table>
<thead>
<tr>
<th>Bead Dia.</th>
<th>BPM</th>
<th>Description</th>
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<tr>
<td>8.5mm</td>
<td>37</td>
<td>Stationary Saw – abrasive S/S</td>
<td>Orange</td>
<td>1322</td>
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<td>11.5mm</td>
<td>40</td>
<td>Profile Wire – sandstone</td>
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<td>1072HR</td>
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<tr>
<td>11.5mm</td>
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<td>Quarrying Wire – sandstone</td>
<td>Green</td>
<td>1221HH</td>
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<td>11.5mm</td>
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<td>Quarrying Wire – hard S/S rubber spacers</td>
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Wire Rope Joiners

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<tr>
<td>8.5mm</td>
<td>Wire Joiners for 8.5mm wire</td>
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Crimping Tool

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Notes…