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**AUSTSAW™**



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## Series Information



### **EXTREME**

The **Extreme Series** of circular saw blades has been engineered to outperform in the specified applications with cutting edge technology and innovative designs. Extreme blades are always the perfect solution for the job.



### **RAIDERX**

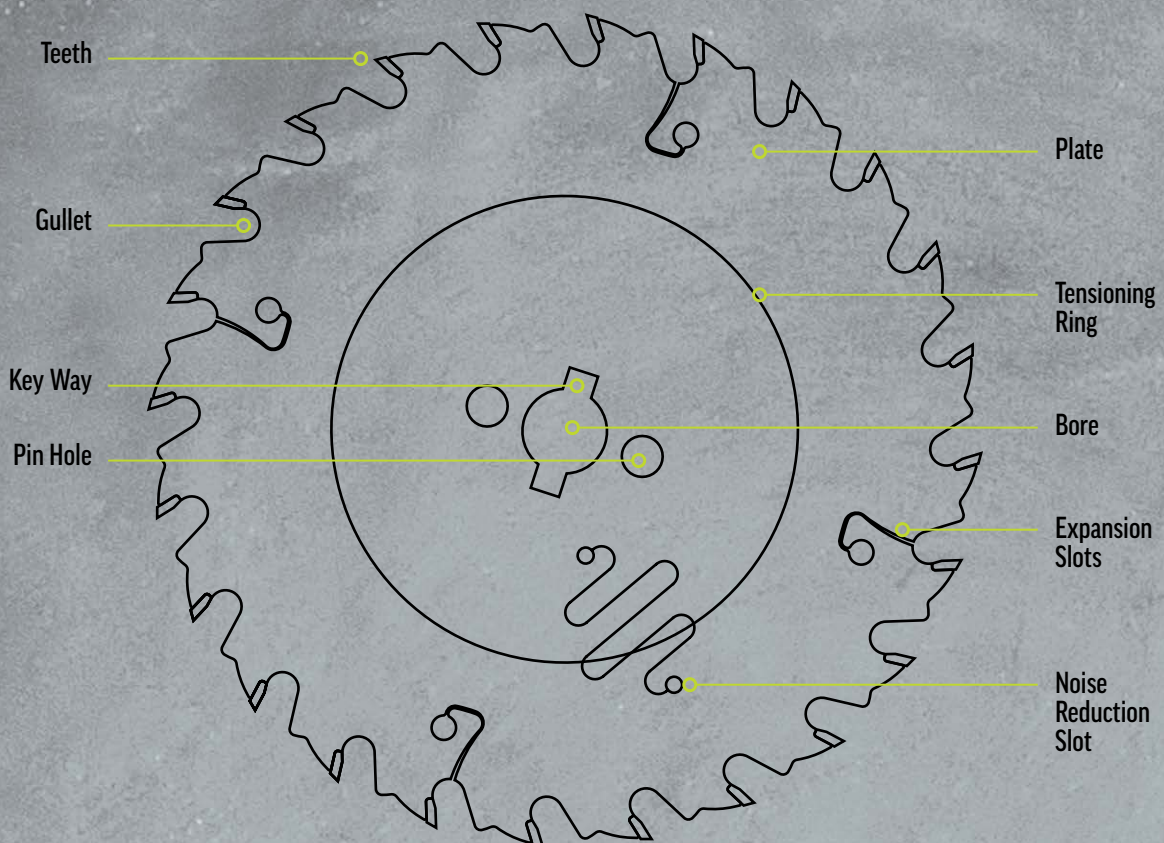
The **RaiderX Series** of circular saw blades has been engineered for maximum cutting performance, targeting trade professionals giving you the X factor.



### **RAIDER**

The **Raider Series** of circular saw blades has been designed for the price conscious buyer, delivering the ultimate in performance with exceptional value.

## Saw Blade Terminology



# What determines cutting action?

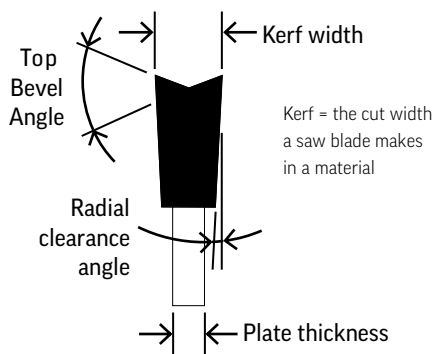
## NUMBER OF TEETH



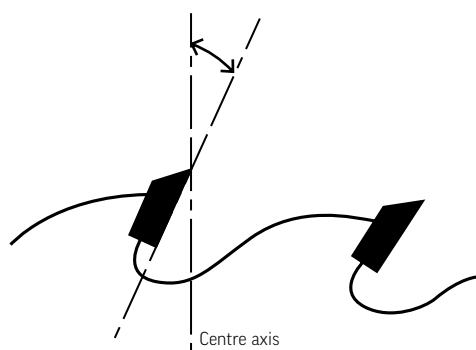
## GULLET & KICK-BACK



## KERF

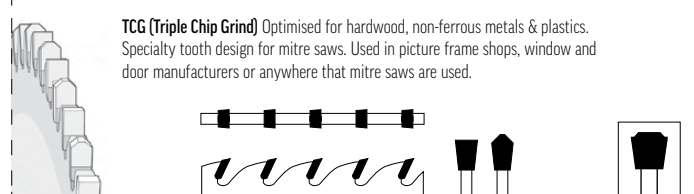
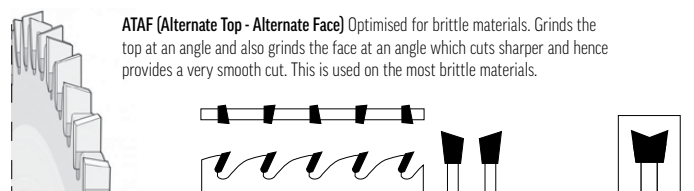
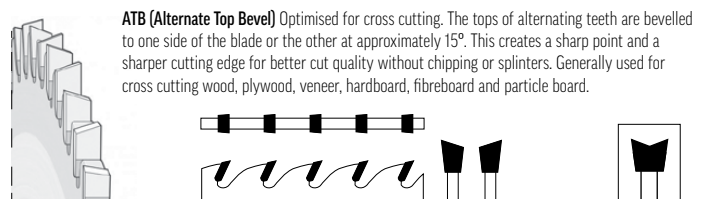
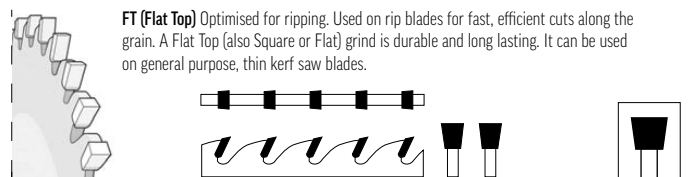


## TOOTH ANGLE (also known as Hook Angle & Rake Angle)



Hook Angle is the angle formed by intersecting lines through the centre of the saw and an extension of the tooth face

## TOOTH CONFIGURATION



## EXTREME WOOD WITH NAILS



<b>6x LIFE</b>		<b>Non-stick PROSHIELD</b> <i>less heat, sticking &amp; corrosion</i>		<b>EXTREME</b>		
<ul style="list-style-type: none"> <li>• Premium European hi-density carbide blade gives extreme durability and cutting life</li> <li>• Heavy duty laser cut plate built from the finest quality steel</li> <li>• Laser cut vents provide superior noise and vibration absorption</li> <li>• Impact resistant brazing for high performance tooth bonding</li> <li>• Thin kerf design ensures fast effortless, cutting and increased battery life on cordless saws</li> <li>• Precision tooth grind for superior tracking and cut quality</li> <li>• Anti-kickback design with reinforced shoulder for safety and durability</li> <li>• Sufficiently handles wood with nails and knots</li> <li>• Anti-friction layer prevents friction for smoother cutting</li> <li>• Non-stick blade coating for less gumming and pitch build up</li> </ul>						



SCAN TO SEE the Extreme Wood with Nails in action or visit [sheffield.com.au](http://sheffield.com.au)

## RAIDERX TIMBER



<b>3x LIFE</b>		<b>Anti-Friction COATING</b>		<b>RAIDERX</b>		
<ul style="list-style-type: none"> <li>• Heavy duty plate built from the finest quality steel</li> <li>• Impact resistant brazing with high performance tooth bonding</li> <li>• Thin kerf design for fast effortless cutting gives you increased battery life on cordless saws</li> <li>• Precision tooth grind for superior tracking and cut quality</li> <li>• Anti-friction layer prevents friction for smoother cutting</li> <li>• Anti-kickback design with reinforced shoulder for safety and durability</li> </ul>						

RAIDER TIMBER



<ul style="list-style-type: none"> <li>• Clean, high quality cut</li> <li>• Impact resistant brazing with high performance tooth bonding</li> <li>• Hardened and tempered body for smooth, straight cuts</li> <li>• Thin kerf design with fast effortless cutting provides increased battery life on cordless saws</li> <li>• Heavy duty plate built from the finest quality steel</li> <li>• Precision tooth grind for superior tracking and cut quality</li> <li>• Anti-kickback design with reinforced shoulder for safety and durability</li> <li>• Anti-rust coating for extended life</li> </ul>						

Product Development

Austsaw is continuing to trial and test all recognised brands of TCT saw blades currently available on the Australian market, as well as new technology from manufacturers all over the world.

Our custom designed testing procedure puts every blade through a rigorous series of tests. This is comprised of cutting hundreds of meters of abrasive turpentine hardwood and cutting through over 400 3.0mm diameter nails.

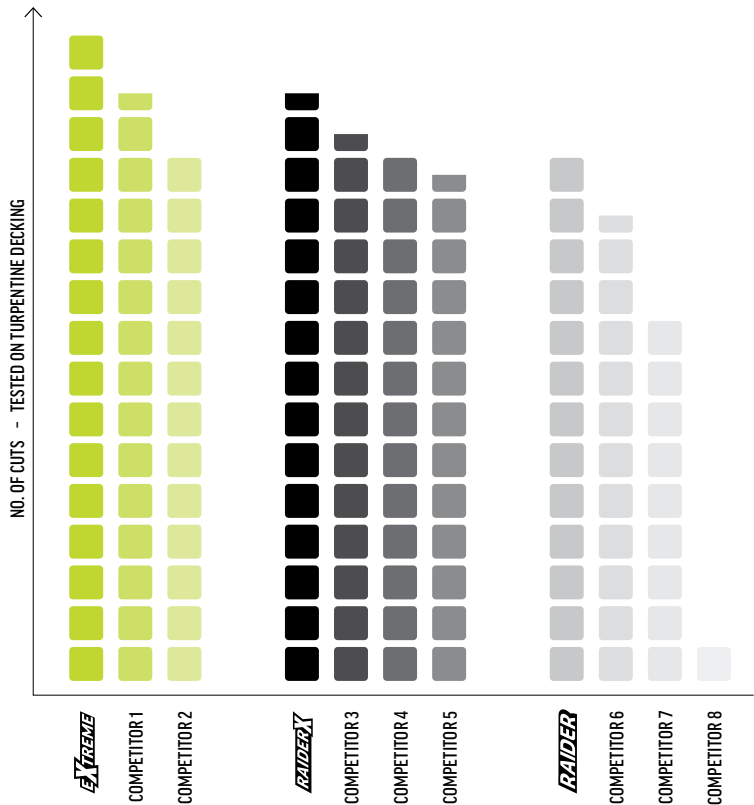
Following this, each tooth on each blade is inspected on a digital microscope and given a rating depending on tooth wear and damage. Through conducting this extensive testing we are able to define the quality and market positioning of available blades.

**Blade Used:** 235mm 40 Teeth

**Material Used:** Turpentine decking 85 x 19

**Turpentine Properties:**

- Elevated hardness rating
- Highly abrasive
- Presence of silica causes fast wear on machine tooling
- Consistently knot free premium grade decking timber





# Extreme Wood with Nails

**6X LIFE**



- Premium European hi-density carbide blade gives extreme durability and cutting life
- Heavy duty laser cut plate built from the finest quality steel
- Laser cut vents provide superior noise and vibration absorption
- Impact resistant brazing for high performance tooth bonding
- Thin kerf design ensures fast effortless, cutting and increased battery life on cordless saws
- Precision tooth grind for superior tracking and cut quality
- Anti-kickback design with reinforced shoulder for safety and durability



Wood with nails



Wood



Hardwood



Softwood



Chipboard



MDF



Plywood

## CARDED 1 PCE

ø	Teeth	Bore mm	Bush mm	Tooth Grind	Rake°	Kerf mm	CODE	Application	Use with	RPM
136mm   5 3/8"	24	20	16	ATAF 15	20	1.5	TBPP1362024	Rip / Crosscut	Cordless Saw	11,000
	36	20	16	ATAF 15	18	1.5	TBPP1362036	Trim / Finish	Cordless Saw	11,000
160mm   6 1/4"	18	20	16	ATAF 15	20	1.5	TBPP1602018	Rip / Crosscut	Cordless / Corded Saw	9,500
	24	20	16	ATAF 15	20	1.5	TBPP1602024	Rip / Crosscut	Cordless / Corded Saw	9,500
	40	20	16	ATB 15	18	1.5	TBPP1602040	Trim / Finish	Cordless / Corded Saw	9,500
165mm   6 1/2"	24	20	16	ATAF 15	20	1.5	TBPP1652024	Rip / Crosscut	Cordless / Corded Saw	9,000
	40	20	16	ATB 15	18	1.5	TBPP1652040	Trim / Finish	Cordless / Corded Saw	9,000
185mm   7 1/4"	24	20	16	ATB 15	15	1.8	TBPP1852024	Rip / Crosscut	Cordless Saw	8,000
	40	20	16	ATB 15	18	1.6	TBPP1852040	Trim / Finish	Cordless / Circular Saw	8,000
190mm   7 1/2"	40	20	NA	ATAF 15	5	2.0	TBPP1902040	Trim / Finish	Mitre Saw	8,000
210mm   8 1/4"	20	25	16	ATB 15	18	1.8	TBPP2102520	Rip / Crosscut	Circular Saw	7,000
	40	25	16	ATB 15	15	1.8	TBPP2102540	Trim / Finish	Circular Saw	7,000
216mm   8 1/2"	60	30	15.88	ATB 15	5	2.0	TBPP2163060	Trim / Finish	Mitre Saw	7,000
235mm   9 1/4"	20	25	NA	ATB 15	18	1.8	TBPP2352520	Rip / Crosscut	Circular Saw	6,500
	40	25	NA	ATB 15	15	1.8	TBPP2352540	Trim / Finish	Circular Saw	6,500
	60	25	NA	ATB 15	15	1.8	TBPP2352560	Trim / Finish	Circular Saw	6,500
255mm   10"	40	30	25.4	ATB 15	5	2.3	TBPP2553040	Rip / Crosscut	Mitre Saw	6,000
	40	30	25.4	ATB 15	18	2.8	TBPP2553040T	Rip / Crosscut	Table Saw	6,000
	60	30	25.4	ATB 15	5	2.3	TBPP2553060	Trim / Finish	Mitre Saw	6,000
	80	30	25.4	ATB 15	5	2.3	TBPP2553080	Trim / Finish	Mitre Saw	6,000
	80	30	25.4	ATAF 15	15	2.3	TBPP2553080T	Trim / Finish	Table Saw	6,000
260mm   10 1/4"	32	25.4	NA	ATB 15	5	2.3	TBPP26025432	Rip / Crosscut	Mitre Saw	5,500
	50	25.4	NA	ATAF 15	5	2.3	TBPP26025450	Trim / Finish	Mitre Saw	5,500
	80	25.4	NA	ATB 15	5	2.3	TBPP26025480	Trim / Finish	Mitre Saw	5,500
305mm   12"	60	30	25.4	ATAF 15	5	2.3	TBPP3053060	Trim / Finish	Mitre Saw	5,000
	100	30	25.4	ATAF 15	5	2.3	TBPP30530100	Trim / Finish	Mitre Saw	5,000



SCAN TO SEE the Extreme Wood with Nails in action or visit [sheffield.com.au](http://sheffield.com.au)



CARDED 1 PCE



CARDED 3 PCE SET



BULK 20 PCE

**CARDED SET 3 PCE - 185mm x 16, 24, 40T**

Limited Stock

ø	Teeth	Bore mm	Bush mm	Tooth Grind	Rake°	Kerf mm	CODE	Application	Use with	RPM
185mm   7 1/4"	16	20	16	ATB 15	20	1.8	TBPP1852016.24.40	Rip / Crosscut	Cordless Saw	8,000
	24	20	16	ATB 15	15	1.8		Rip / Crosscut	Cordless Saw	8,000
	40	20	16	ATB 15	18	1.6		Trim / Finish	Cordless Saw	8,000

**BULK 20 PCE**

ø	Teeth	Bore mm	Bush mm	Tooth Grind	Rake°	Kerf mm	CODE	Application	Use with	RPM
165mm   6 1/2"	24	20	16	ATAF 15	20	1.5	TBPP1652024B	Rip / Crosscut	Cordless Saw	9,500
185mm   7 1/4"	24	20	16	ATB 15	15	1.8	TBPP1852024B	Rip / Crosscut	Cordless Saw	8,000
235mm   9 1/4"	20	25	NA	ATB 15	18	1.8	TBPP2352520B	Rip / Crosscut	Circular Saw	6,500





# RaiderX Timber



Anti-Friction COATING

- Heavy duty plate built from the finest quality steel
- Impact resistant brazing with high performance tooth bonding
- Thin kerf design for fast effortless cutting gives you increased battery life on cordless saws
- Precision tooth grind for superior tracking and cut quality
- Anti-friction layer prevents friction for smoother cutting
- Anti-kickback design with reinforced shoulder for safety and durability



## CARDED 1 PCE

Ø	Teeth	Bore mm	Bush mm	Tooth Grind	Rake°	Kerf mm	CODE	Application	Use with	RPM
136mm   5 3/8"	24	20	16	ATAF 15	20	1.5	TBP1362024	Rip / Crosscut	Cordless Saw	11,000
	36	20	16	ATAF 15	18	1.5	TBP1362036	Trim / Finish	Cordless Saw	11,000
160mm   6 1/4"	18	20	16	ATAF 15	20	1.5	TBP1602018	Rip / Crosscut	Cordless Saw	9,500
	24	20	16	ATAF 15	20	1.5	TBP1602024	Rip / Crosscut	Cordless Saw	9,500
160mm   6 1/4"	40	20	16	ATB 15	18	1.5	TBP1602040	Trim / Finish	Cordless Saw	9,500
	24	20	16	ATAF 15	20	1.5	TBP1652024	Rip / Crosscut	Cordless Saw	9,000
165mm   6 1/2"	40	20	16	ATB 15	18	1.5	TBP1652040	Trim / Finish	Cordless Saw	9,000
	24	20	16	ATB 15	15	1.8	TBP1852024	Rip / Crosscut	Cordless Saw	8,000
185mm   7 1/4"	40	20	16	ATB 15	18	1.6	TBP1852040	Trim / Finish	Cordless Saw	8,000
	40	20	NA	ATAF 12	5	2.0	TBP1902040	Trim / Finish	Mitre Saw	8,000
190mm   7 1/2"	20	25	16	ATB 15	18	1.8	TBP2102520	Rip / Crosscut	Circular Saw	7,000
	40	25	16	ATB 15	15	1.8	TBP2102540	Trim / Finish	Circular Saw	7,000
216mm   8 1/2"	60	30	15.88	ATB 12	5	2.0	TBP2163060	Trim / Finish	Mitre Saw	7,000
235mm   9 1/4"	20	25	NA	ATB 15	20	1.8	TBP2352520	Rip / Crosscut	Circular Saw	6,500
	40	25	NA	ATB 15	15	1.8	TBP2352540	Trim / Finish	Circular Saw	6,500
	60	25	NA	ATB 15	17	1.8	TBP2352560	Trim / Finish	Circular Saw	6,500
255mm   10"	40	30	25.4	ATB 12	10	2.3	TBP2553040	Rip / Crosscut	Mitre Saw	6,000
	40	30	25.4	ATB 12	18	2.8	TBP2553040T	Rip / Crosscut	Table Saw	6,000
	60	30	25.4	ATB 12	5	2.3	TBP2553060	Trim / Finish	Mitre Saw	6,000
	80	30	25.4	ATB 12	5	2.3	TBP2553080	Trim / Finish	Mitre Saw	6,000
	80	30	25.4	ATB 12	15	2.8	TBP2553080T	Trim / Finish	Table Saw	6,000
305mm   12"	40	30	25.4	ATAF 12	5	2.3	TBP3053040	Rip / Crosscut	Mitre Saw	5,000
	60	30	25.4	ATAF 12	5	2.3	TBP3053060	Trim / Finish	Mitre Saw	5,000
	100	30	25.4	ATAF 12	5	2.3	TBP30530100	Trim / Finish	Mitre Saw	5,000



CARDED 1 PCE



CARDED 3 PCE SET



BULK 20 PCE

**CARDED SET 3 PCE - 185mm x 16, 24, 40T**

Limited Stock

ø	Teeth	Bore mm	Bush mm	Tooth Grind	Rake°	Kerf mm	CODE	Application	Use with	RPM
185mm   7 1/4"	16	20	16	Refer to individual blades		1.8	TBP1852016.24.40	Rip / Crosscut	Cordless Saw	8,000
	24	20	16			1.8		Rip / Crosscut	Cordless Saw	8,000
	40	20	16			1.6		Trim / Finish	Cordless Saw	8,000

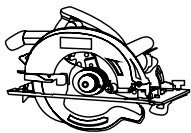
**BULK 20 PCE**

ø	Teeth	Bore mm	Bush mm	Tooth Grind	Rake°	Kerf mm	CODE	Application	Use with	RPM
185mm   7 1/4"	24	20	16	ATB 15	18	1.8	TBP1852024B	Rip / Crosscut	Cordless Saw	8,000
235mm   9 1/4"	20	25	NA	ATB 15	20	1.8	TBP2352520B	Rip / Crosscut	Circular Saw	6,500



**THE RIGHT BLADE FOR THE RIGHT SAW**

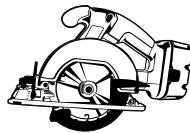
Some blades are designed to be used in particular saws, so you'll want to be sure to get the right blade for the tool. Using the wrong type of blade for the saw is likely to produce poor results and might, in some cases, be dangerous.



» Circular Saw

Circular saws use a toothed blade, typically between 185 and 235mm (7 1/4 & 9"). They are the most common type of powered saw, and accept blades that cut all types of wood, metal, plastic, masonry, and more.

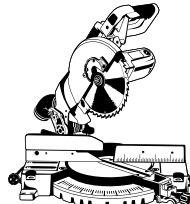
**Standard blade size:**  
185 & 235mm (7 1/4 & 9")



» Cordless Circular Saw

Cordless saws are growing in popularity due to technical improvements in power and durability.

**Standard blade size:**  
136, 165 & 185mm (5 3/8, 6 1/2 & 7 1/4")



» Mitre Saw

One of the few saws designed to expressly mimic a hand saw, the mitre saw is ideal for use in trim or other jobs involving precise measurements and angle cuts. A simple mitre saw can pivot up to 45 degrees to either side of a straight 90 degree cut, and can be used in conjunction with tables for cutting long mitred ends.

**Common blade sizes:**  
165, 190, 210, 216, 255/260, 305mm (6 1/2, 7 1/2, 8 1/4, 8 1/2, 10 & 12")



» Table Saw

Table saw blades tend to be a little larger than for a circular saw, and consist of a high speed motor mounted beneath a flat table. To adjust the depth of cut, the blade rises out of the table bed. Table saws are great for making numerous rip cuts or preparing a large number of identical sized pieces.

**Table saws are designed for:**  
255 & 300mm (10 & 12") blades



# Raider Timber



Anti-Rust COATING

- Clean, high quality cut
- Impact resistant brazing with high performance tooth bonding
- Hardened and tempered body for smooth, straight cuts
- Thin kerf design with fast effortless cutting provides increased battery life on cordless saws
- Heavy duty plate built from the finest quality steel
- Precision tooth grind for superior tracking and cut quality
- Anti-kickback design with reinforced shoulder for safety and durability



Wood



Hardwood



Softwood



Chipboard



MDF



Plywood



Formwork

## CARDED 1 PCE

Ø	Teeth	Bore mm	Bush mm	Tooth Grind	Rake°	Kerf mm	CODE	Application	Use with	RPM
160mm   6 1/4"	24	20	16	ATAF 12	20	2.0	TBR1602024	Rip / Crosscut	Cordless / Circular Saw	9,250
	40	20	16	ATAF 12	18	2.0	TBR1602040	Trim / Finish	Cordless / Circular Saw	9,250
165mm   6 1/2"	16	20	NA	ATAF 12	20	2.0	TBR1652016	Rip / Crosscut	Cordless / Circular Saw	9,250
	20	20	NA	ATAF 15	17	2.0	TBR1652020	Rip / Crosscut	Cordless / Circular Saw	9,250
185mm   7 1/4"	16	20	16	ATAF 12	22	2.2	TBR1852016	Rip / Crosscut	Cordless / Circular Saw	8,300
	24	20	16	ATAF 12	19	2.2	TBR1852024	Rip / Crosscut	Cordless / Circular Saw	8,300
	40	20	16	ATAF 12	18	2.2	TBR1852040	Trim / Finish	Cordless / Circular Saw	8,300
210mm   8 1/4"	24	30	20/16	ATAF 12	19	2.2	TBR1853024	Rip / Crosscut	Cordless / Circular Saw	8,300
	24	25	16	ATAF 12	19	2.0	TBR2102520	Rip / Crosscut	Cordless / Circular Saw	7,000
	40	25	16	ATAF 12	20	2.0	TBR2102540	Trim / Finish	Cordless / Circular Saw	7,000
235mm   9 1/4"	20	25	NA	ATAF 12	20	2.5	TBR2352520	Rip / Crosscut	Circular Saw	6,500
	40	25	NA	ATAF 12	20	2.5	TBR2352540	Trim / Finish	Circular Saw	6,500
	60	25	NA	ATAF 12	20	2.5	TBR2352560	Trim / Finish	Circular Saw	6,500
255mm   10"	80	30	25.4	ATAF 12	12	2.6	TBR2553080	Rip / Crosscut	Mitre Saw	6,000
305mm   12"	100	30	NA	ATAF 12	5	2.6	TBR30530100	Trim / Finish	Mitre Saw	5,000



CARDED 1 PCE



### HOW DO I DECIDE WHICH BLADE SUITS MY SAW?

#### Critical points to consider are:

- >> The blade diameter - must match the power tool
- >> Bore size (the centre mounting hole) - needs to match the power tool. Bore reducing rings may be used where necessary to match a saw blade with the power tool being used.
- >> RPM. The maximum RPM printed on the blade must meet or exceed the maximum RPM of the power tool.



CARDED 2 PCE SET



CARDED 3 PCE SET



BULK 20 PCE

**CARDED 3 PCE - 185mm x 24T**

Limited Stock

Ø	Teeth	Bore mm	Bush mm	Tooth Grind	Rake°	Kerf mm	CODE	Application	Use with	RPM
185mm   7 1/4"	24	20	16	ATAF 12	19	2.2	TBR1852024-3	Rip / Crosscut	Cordless/Circular Saw	8,300

**CARDED SET 3 PCE - 185mm x 16, 24, 40T**

Limited Stock

Ø	Teeth	Bore mm	Bush mm	Tooth Grind	Rake°	Kerf mm	CODE	Application	Use with	RPM
185mm   7 1/4"	16	20	16	ATAF 12	22	2.2	TBR1852016.24.40	Rip / Crosscut	Cordless Saw	8,300
	24	20	16	ATAF 12	19	2.2		Rip / Crosscut	Cordless Saw	8,300
	40	20	16	ATAF 12	18	2.2		Trim / Finish	Cordless/Circular Saw	8,300

**CARDED SET 2 PCE - 185mm x 24, 40T**

Limited Stock

Ø	Teeth	Bore mm	Bush mm	Tooth Grind	Rake°	Kerf mm	CODE	Application	Use with	RPM
185mm   7 1/4"	24	20	16	ATAF 12	19	2.2	TBR1852024.40	Rip / Crosscut	Cordless Saw	8,300
	40	20	16	ATAF 12	18	2.2		Trim / Finish	Cordless/Circular Saw	8,300

**BULK 20 PCE**

Ø	Teeth	Bore mm	Bush mm	Tooth Grind	Rake°	Kerf mm	CODE	Application	Use with	RPM
160mm   6 1/4"	40	20	16	ATAF 12	18	2.0	TBR1602040B	Trim / Finish	Cordless / Circular Saw	9,250
185mm   7 1/4"	24	20	16	ATAF 12	19	2.2	TBR1852024B	Rip / Crosscut	Cordless / Circular Saw	8,300
235mm   9 1/4"	20	25	NA	ATAF 12	20	2.5	TBR2352520B	Rip / Crosscut	Circular Saw	6,500



## Panel Saw Blade

- Produces a smooth, clean, faster cut with less vibration
- Made from hardened tempered steel with oversized anti-corrosion teeth and vibration reduction slots
- For use with panel and bench saws
- Can be resharpened



Wood



Hardwood



Chipboard



MDF



Plywood

### CARDED 1 PCE

ø	Teeth	Bore mm	Bush mm	Tooth Grind	Rake°	Kerf mm	CODE	Application	Use with	RPM
300mm   12"	96	30	16	ATAF 15	20	3.2	PS3003096	Rip/Crosscut	Panel & Bench Saws	6,000



## Scribe Blade

- Over-sized longer lasting tips
- Produces a smooth clean cut without chipping and less vibration
- Made from hardened tempered steel with over-sized hardened tips
- For use with panel saws
- Resharpenable up to 5 times more than other blades on the market



Wood



Hardwood



Chipboard



MDF



Plywood

### CARDED 1 PCE

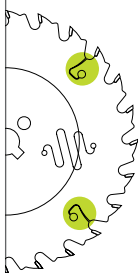
ø	Teeth	Bore mm	Bush mm	Tooth Grind	Rake°	Kerf mm	CODE	Application	Use with	RPM
120mm   4 3/4"	24	20		ATB	11	3.6-2.8/2.2	SC12020212	Scribe	Panel Saws	12,000
	24	22.2		ATB	11	3.6-2.8/2.2	SC120222212	Scribe	Panel Saws	12,000



## TOOLTALK

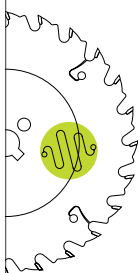
### EXPANSION SLOTS

- >> Saw blades produced by stamping from steel sheet, have a number of expansion slots around the perimeter. They are generally straight and end in a round geometric shape with no sharp edges or square corners.
- >> A round geometric figure will take the stress of initial impact pressure from the carbide tip entering the material, and disburse the pressure evenly throughout the body of the saw. Otherwise, the blade may crack on that stress line.
- >> On some blades, these holes are filled with a brass or copper plug, this is an additional measure to reduce noise and vibration.
- >> Saw blades that are manufactured with laser cutting machinery have shaped expansion slots. Again, they always end in a round geometric shape with no sharp edges. Laser cut slots (see below) are superior to stamped being better engineered to maximise their effectiveness.

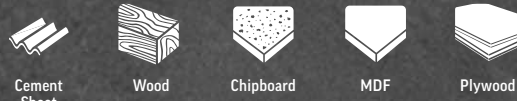


### NOISE REDUCTION / LASER CUT EXPANSION SLOTS

- >> Laser cut expansion slots are a feature found on most laser cut saw blades. They may look artistic, however they are engineered to allow the expansion of the saw blade within itself, preventing warping. As a saw blade is used, its temperature increases, and generally the blade gets hotter than the teeth.
- >> These slots can also help with cooling the blade as air passes through them during rotation. In addition, laser cut slots have small holes at their ends.
- >> This has an anti-vibration effect by distributing shock evenly throughout the plate, and towards the centre arbor hole. This helps with noise reduction. Noise caused by vibration is pure wasted energy.
- >> These blades typically run quieter, smoother and more efficiently than stamped blades.



# Extreme Fibre Cement



**10x LIFE**

Hand-made **DIAMOND TIPS**  
POLYCRYSTALLINE

**EXTREME**

- Alternating PCD and TCT tips gives a smoother, cleaner cut and allows the blade to be used effectively in other wood based materials
- Hand-made Polycrystalline diamond tips give extreme durability and cutting life
- Heavy duty laser cut plate built from the finest quality steel
- Impact resistant brazing for high performance tooth bonding
- Super fast, clean cut reduces dust and pitch build up
- Professional trade quality suitable for builders, cabinet makers and renovators
- Ideal for fibre cement sheet, wood, MDF, chipboard and plywood

## CARDED 1 PCE

Ø	Teeth	Bore mm	Bush mm	Tooth Grind	Rake°	Kerf mm	CODE	Application	Use with	RPM
160mm   6"	4 PCD   4 TCT	20	16	FT	10	2.2	PCD160	General Purpose	Cordless Saw	9,500
185mm   7 1/4"	4 PCD   4 TCT	20	16	FT	10	2.2	PCD185	General Purpose	Cordless Saw	8,000
205mm   8"	6 PCD   6 TCT	25	NA	FT	10	2.2	PCD205	General Purpose	Circular Saw	7,000
230mm   9 1/4"	6 PCD   6 TCT	30	NA	FT	10	2.4	PCD230-30B	General Purpose	Circular Saw	6,500
235mm   9 1/4"	6 PCD   6 TCT	25	20	FT	10	2.4	PCD235	General Purpose	Circular Saw	6,500
250mm   10"	6 PCD   6 TCT	25.4	NA	FT	10	2.4	PCD250	General Purpose	Circular Saw	6,000
300mm   12"	8 PCD	25.4	NA	FT	10	3.0	PCD300	General Purpose	Power Saws, Portable Saws & Drop Saws	5,000
350mm   14"	12 PCD	25.4	NA	FT	10	3.2	PCD350	General Purpose	Power Saws, Portable Saws & Drop Saws	4,500

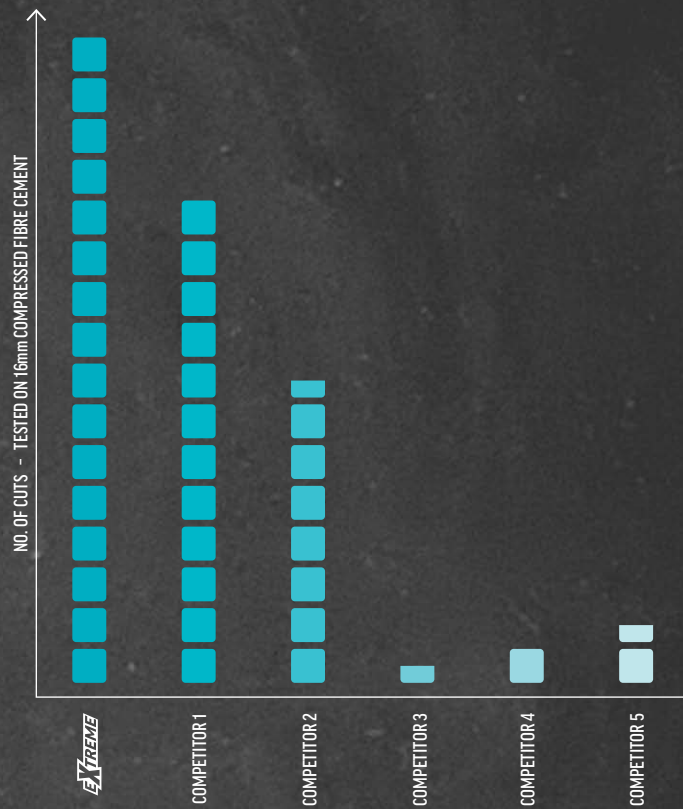


CARDED 1 PCE

# Product Development

The graph below shows blade life when tested in 1200mm length of 16mm thick compressed fibre cement.

The results show the number of cuts completed by Austsaw Extreme - Fibre Cement blade in comparison to major competitors.



## Universal Cutter

- Produces a smooth clean cut when cutting cement sheet and selected timbers
- Made from hardened tempered steel with over-sized hardened TCT tips
- Blade can be resharpened



Cement Sheet



Hardwood



Softwood

### CARDED 1 PCE

Limited Stock

ø	Teeth	Bore mm	Bush mm	Tooth Grind	Rake°	Kerf mm	CODE	Application	Use with	RPM
115mm   4½"	4TCT	22.2	16	FT	10	3.8	UNI1152223	General Purpose	Cordless & Circular Saws	15,000
125mm   5"	4TCT	22.2	16	FT	10	3.8	UNI1252223	General Purpose	Cordless & Circular Saws	15,000

NO HEAT | NO BURRS | NO DUST | MINIMAL SPARKS



RECOMMENDED TO USE WITH

**SPARK  
BUSTER**

SEE PAGE 45



# Extreme Rotary Hacksaw

**10x  
LONG  
LIFE**

- Clean, high quality cut
- Premium industrial grade hi-density carbide teeth for extreme durability and cutting life
- Impact resistant brazing for high performance tooth bonding
- Hardened and tempered body for smooth, straight cuts
- Thin kerf design for fast effortless cutting, increased battery life on cordless saws
- Raised shoulder for maximum tooth strength and support behind each tip
- Ideal for steel, aluminium, wood, plastic, plaster and fibreglass



SCAN TO SEE the Extreme Rotary Hacksaw in action or visit [sheffield.com.au](http://sheffield.com.au)



Steel



Aluminium



Wood



Plastic



Fibreglass



Plasterboard

CARDED 1 PCE										
ø	Teeth	Bore mm	Bush mm	Tooth Grind	Rake°	Kerf mm	CODE	Application	Use with	RPM
103mm   4"	20	16	NA	ATB 5	3	1.8	RHS1031620	Multi Purpose	Angle Grinder	15,300
115mm   4½"	20	22.2	NA	ATB 5	3	1.8	RHS11522220	Multi Purpose	Angle Grinder	13,300
125mm   5"	20	22.2	NA	ATB 5	3	1.8	RHS12522220	Multi Purpose	Angle Grinder	12,250
135mm   5½"	30	20	16	FWF 15	3	1.8	RHS135161030	Multi Purpose	Cordless Saw	12,250
160mm   6½"	30	20	16	ATB 5	3	1.8	RHS1602030	Multi Purpose	Cordless Saw	5,800
185mm   7½"	36	20	16	ATB 5	3	1.8	RHS185201636	Multi Purpose	Cordless Saw	5,800
	60	20	16	ATB 5	3	1.8	RHS185201660	Multi Purpose	Cordless Saw	5,800
210mm   8½"	40	25	NA	ATB 5	3	1.8	RHS2102540	Multi Purpose	Circular Saw	5,400
230mm   9"	48	25	NA	ATB 5	3	1.8	RHS2302548	Multi Purpose	Circular Saw	5,400
	60	25	NA	ATB 5	3	1.8	RHS2302560	Multi Purpose	Circular Saw	5,400
250mm   10"	60	25.4	NA	ATB 5	0	1.8	RHS2502560	Multi Purpose	Mitre Saw	4,800
300mm   12"	60	25.4	NA	TCG 45	0	2.2	RHS3002560	Multi Purpose	Drop saw	1,300
350mm   14"	80	25.4	NA	TCG 45	3	2.2	RHS3002580	Multi Purpose	Drop saw	1,300

*Note*





**LUBRICANT MUST BE USED WHEN CUTTING ALUMINIUM**  
 ALY-LUBE is non toxic and ideal when cutting non ferrous metals  
**SEE PAGE 46**  
 Aluminium Lubricant Aly-Lube, 225g  
**Code: ALYLUBE**

CARDED 1 PCE



### EXTREME ALUMINIUM MULTI-MATERIAL

					
Aluminium	Plastic	MDF	Chipboard	Plywood	Softwood
<b>5x LIFE</b>			<b>EXTREME</b>		
<ul style="list-style-type: none"> <li>• Oversized triple chip tooth design eliminates blade damage in abusive applications for smoother and faster cutting with less friction</li> <li>• Hardened and tempered body for smooth, straight cuts</li> <li>• Triple chip design makes it virtually impossible to over feed or grab, by limiting the amount of material cut by each tooth</li> <li>• Excellent for plastic and woodcutting</li> <li>• Lubricant must be used when cutting aluminium</li> </ul>					

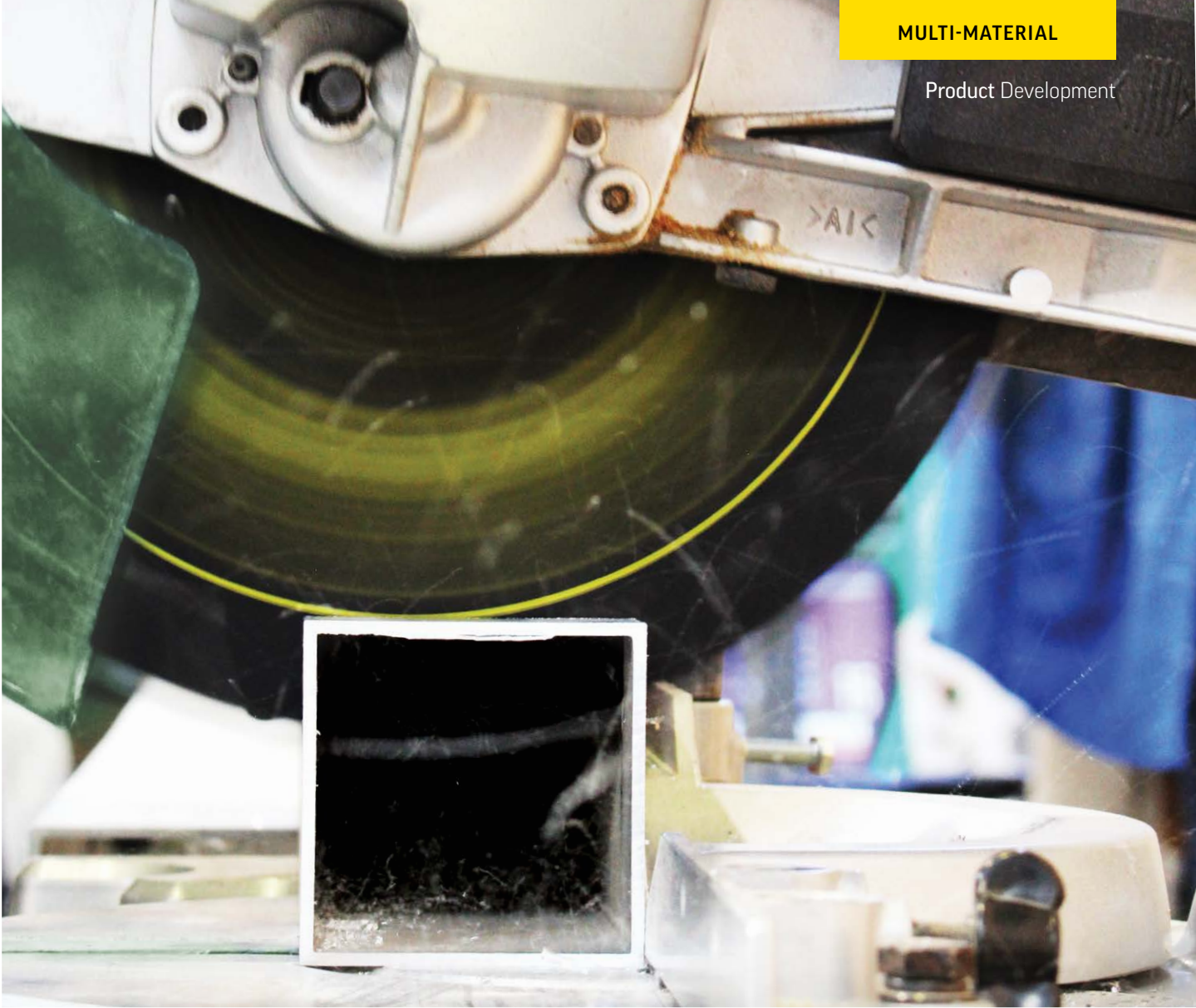


### RAIDERX ALUMINIUM MULTI-MATERIAL

						
Aluminium	Plastic	MDF	Chipboard	Plywood	Softwood	Composite decking
<b>2x LIFE</b>			<b>RAIDERX</b>			
<ul style="list-style-type: none"> <li>• Controlled triple chip tooth design eliminates over feeding or grabbing</li> <li>• Anti vibration slot absorbs vibration in all cutting applications</li> <li>• Impact resistant brazing high performance tooth bonding</li> <li>• Anti-friction coating increases blade life</li> <li>• Multi-material cutting of aluminium, MDF, chipboard, plywood, softwood, plastic and laminate</li> </ul>						



SCAN TO SEE the RaiderX Aluminium Multi-Material in action or visit [sheffield.com.au](http://sheffield.com.au)



# Product Development

Austsaw product development team has endured hours of trialling and testing all recognised brands of aluminium cutting saw blades currently available on the Australian market, as well as many samples from manufacturers all over the world. Our custom designed testing procedure put every blade through a rigorous test consisting of:

**Size:** All blades were 235mm/80T

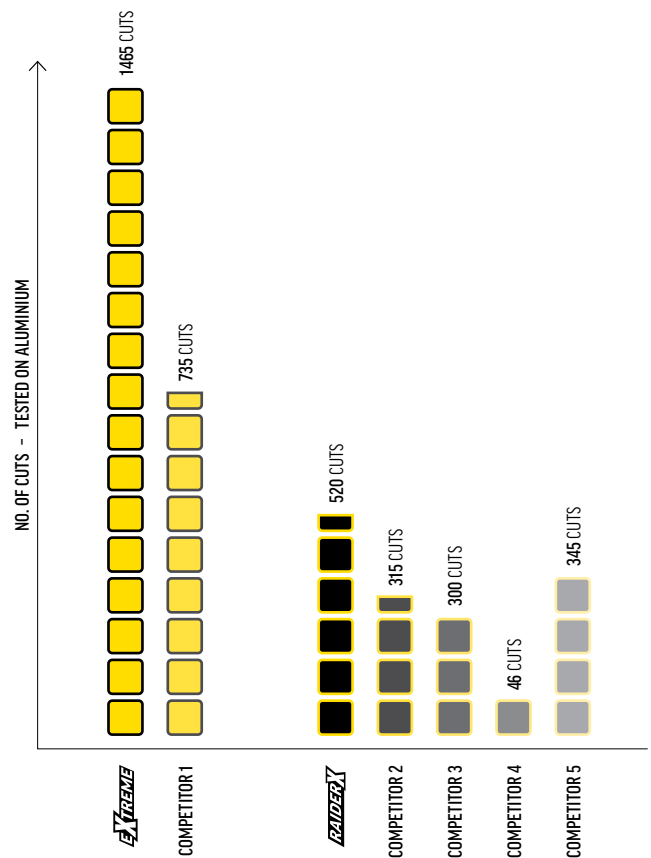
**Saw:** Makita 250mm 1430W 4300RPM

**Material:** 65mm aluminium square radius tube 3mm wall.

No lubricant was used.

**Method:** Cut 10mm slices off the aluminium tube until blade starts to bind or other limit factors are noticed.

*Note: the blade always binds on the bluntest tooth, so binding is a good indicator of wear factor.*





# Extreme Aluminium



- Oversized triple chip tooth design eliminates blade damage in abusive applications for smoother and faster cutting with less friction
- Hardened and tempered body for smooth, straight cuts
- Triple chip design makes it virtually impossible to over feed or grab, by limiting the amount of material cut by each tooth
- Excellent for plastic and woodcutting
- Lubricant must be used when cutting aluminium



## CARDED 1 PCE

Ø	Teeth	Bore mm	Bush mm	Tooth Grind	Rake°	Kerf mm	CODE	Application	Use with	RPM
160mm   6 1/4"	60	20	16	TCG	-5	2.0/1.4	ALYC1602060	Trim / Finish	Cordless Saw	5,800
185mm   7 1/4"	60	20	16	TCG	-5	2.2/1.6	ALYC1852060	Trim / Finish	Cordless Saw	5,800
210mm   8"	60	25	16	TCG	-5	2.4/1.8	ALYC2102560	Trim / Finish	Circular Saw	5,800
215mm   8 1/2"	40	30	16	TCG	-5	2.2/1.6	ALYC2153040	Trim / Finish	Circular Saw	5,400
	60	30	16	TCG	-5	2.4/1.8	ALYC2153060	Trim / Finish	Circular Saw	5,400
235mm   9 1/4"	80	25	16	TCG	-5	2.6/2.0	ALYC2352580	Trim / Finish	Circular Saw	5,400
254mm   10"	80	25.4	16	TCG	-5	2.8/2.2	ALYC2502580	Trim / Finish	Mitre Saw	4,800
	100	30	16	TCG	-5	2.8/2.2	ALYC25430100	Trim / Finish	Mitre Saw	4,800
305mm   12"	80	25.4	16	TCG	-5	3.2/2.2	ALYC3002580	Trim / Finish	Mitre Saw	4,200
	100	25.4	16	TCG	-5	2.8/2.2	ALYC30025100	Trim / Finish	Mitre Saw	4,200
350mm   14"	100	25.4	16	TCG	-5	3.0/2.4	ALYC35025100	Trim / Finish	Mitre Saw	4,200

### TRIPLE CHIP TOOTH DESIGN GIVES EXTREME CUTTING PERFORMANCE



CARDED 1 PCE



**LUBRICANT MUST BE USED WHEN CUTTING ALUMINIUM**  
 ALY-LUBE is non toxic and ideal when cutting non ferrous metals  
**SEE PAGE 46**  
 Aluminium Lubricant Aly-Lube, 225g  
**Code: ALYLUBE**



# RaiderX Aluminium



- Controlled triple chip tooth design eliminates over feeding or grabbing
- Anti vibration slot absorbs vibration in all cutting applications
- Impact resistant brazing high performance tooth bonding
- Anti-friction coating increases blade life
- Multi-material cutting of aluminium, MDF, chipboard, plywood, softwood, plastic and laminate
- Lubricant must be used when cutting aluminium



Aluminium



Plastic



MDF



Chipboard



Plywood



Softwood



Composite decking



SCAN TO SEE the RaiderX Aluminium Multi-Material in action or visit [sheffield.com.au](http://sheffield.com.au)

## CARDED 1 PCE

ø	Teeth	Bore mm	Bush mm	Tooth Grind	Rake°	Kerf mm	CODE	Application	Use with	RPM
165mm   6 1/2"	60	20	16	TCG	-5	2.0	ABRX1652060	Trim / Finish	Cordless Saw	8,000
185mm   7 1/4"	64	20	16	TCG	-5	2.2	ABRX1852064	Trim / Finish	Cordless Saw	7,000
210mm   8 1/4"	60	25	20/16	TCG	-5	2.4	ABRX2102560	Trim / Finish	Circular Saw	6,000
216mm   8 1/2"	80	30	20/16	TCG	-5	2.2	ABRX2163080	Trim / Finish	Mitre Saw	6,000
235mm   9 1/4"	80	25	NA	TCG	-5	2.4	ABRX2352580	Trim / Finish	Circular Saw	5,500
255mm   10"	100	30	25.4/25	TCG	-5	2.4	ABRX25530100	Trim / Finish	Mitre Saw	5,000
305mm   12"	120	30	25.4/25	TCG	-5	2.8	ABRX30530120	Trim / Finish	Mitre Saw	4,500



### WHAT AFFECTS BLADE QUALITY?

- >> The construction method of the blade is a key factor that affects the quality of the blade. Laser-cut blades are of superior quality as the blade can be produced with more detailing than stamped-made blades providing enhanced and additional benefits.
- >> One of the features of a good blade is reduced vibration during cutting. A blade that is "dead" is far more likely to produce a good, straight and accurate cut than one that wants to vibrate.
- >> The presence of a good anti-vibration design is revealed by knocking the saw plate with a hammer; if it rings, it will vibrate.

### VIBRATION = TOOTH WEAR = ADDITIONAL HEAT = INFERIOR CUTS



SCAN to see how to assess the vibration of a blade or visit [sheffield.com.au](http://sheffield.com.au)

CARDED 1 PCE



## EXTREME STAINLESS STEEL



**15x LIFE**

**Non-stick PROSHIELD**

less heat, sticking & corrosion



**EXTREME**

- Premium Cermet tips give exceptional life and clean, cool cutting in stainless steel
- Blade designed with laser cut slits for noise reduction
- Non stick pro-shield coating reduces frictional resistance on blade surface
- Anti-vibration slot resin plugs absorbs vibration
- Dual step saw blade technology
- Stainless steel cutting includes stainless pipe, stainless square tube, stainless plate and stainless rebar
- Japanese blade technology



SCAN TO SEE the Extreme Stainless Steel in action or visit [sheffield.com.au](http://sheffield.com.au)

## RAIDERX METAL



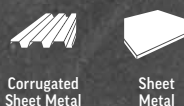
**3x LIFE**



**RAIDERX**

- Premium Cermet tips give exceptional life and clean, cool cutting in metal
- Blade designed with laser cut slits for noise reduction
- Super thin kerf design delivers a smooth and sharp cut
- Advanced tooth geometry improves balance and stability in a straight running cut
- General purpose cutting includes angle, c-channel, stud, pipe, plate tube and rebar

## RAIDERX SHEET METAL



**6x LIFE**

**RAIDERX**

- Premium Cermet (135 - 150mm) and C6 Carbide (165 - 185mm) tips give exceptional life and clean, cool cutting in sheet metal
- 6x Life compared to competitor sheet metal saw blades
- Super thin kerf design delivers a smooth and sharp cut
- Advanced tooth geometry improves balance and stability for a straight running cut
- Suitable for Thin Sheet Metal cutting to 1.2mm (18 Gauge) including: roofing, cladding, corrugated sheet, flat sheet & steel studs etc



**BONDED ABRASIVE DISC**

GCDSS35528 | 355mm Cutting disc

**VERSUS**

**TCT SAW BLADE**

MBR35525465 | 355mm RaiderX Metal blade



**ADVANTAGES**

- Low price point
- Use on readily available standard cut off saws

**DISADVANTAGES**

- Reduced life
- Significant sparking while cutting
- Very hot cuts - potential for burns etc
- Significant burrs on cut material
- Blade flex
- Diameter reduces while cutting reducing cutting capacity

**STATISTICS**



\*6x more than Austsaw MBR blade cost per cut

**ADVANTAGES**

- Significant lifetime advantage over bonded discs
- Less downtime for blade changes
- Clean, burr free cutting with minimal sparking
- No blade flex with very accurate square and mitre cutting
- Cool cutting - material can be immediately safely handled
- Diameter does not reduce, therefore cutting capacity never changes

**DISADVANTAGES**

- High initial cost price
- Must be used on a Metal low speed cut off saw

**STATISTICS**



\*This blade achieved 3,857 cuts, then professionally sharpened (at a cost of \$30), completed a total of 10,000 cuts - still cutting but leaving a very small burr.

**TWO KEY RESULTS:**

- The Austsaw MBR blade is significantly cheaper per cut
- The Austsaw MBR blade lasts 200 times longer the MaxAbrase 355mm cutting disc, significantly more than other competitors in the market.

This test was done in 50 x 50 x 1.6mm Duragal<sup>®</sup> SHS steel tube.

# Product Development

Austsaw spent six months trialling and testing all recognised brands of stainless steel and metal cutting saw blades currently available on the Australian market, as well as many samples from manufacturers all over the world. Our custom designed testing procedure put every blade through a rigorous test.



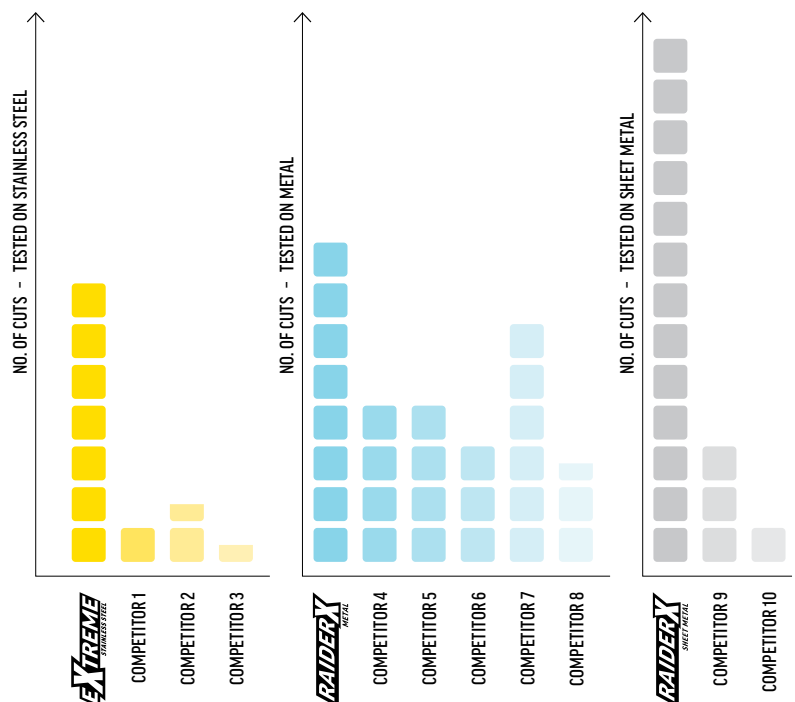
**Blade Used:** Extreme Stainless Steel 355mm  
**Equipment:** 355mm low speed cut off saw (1500RPM)  
**Material Used:** 76mm d 304 Stainless tube 2mm wall thickness



**Blade Used:** RaiderX Metal 185mm  
**Equipment:** Dewalt 185mm power saw  
**Material Used:** 100 x 3mm mild steel flat bar



**Blade Used:** RaiderX Sheet Metal 135mm  
**Equipment:** Milwaukee 135mm cordless saw  
**Material Used:** 1mm flat sheet metal



# Correct Material Set-up for Metal Blade Cutting

To get the longest life from large diameter Austsaw Metal and Stainless cutting blades, it is essential that the material to be cut is set up and clamped correctly in the saw.

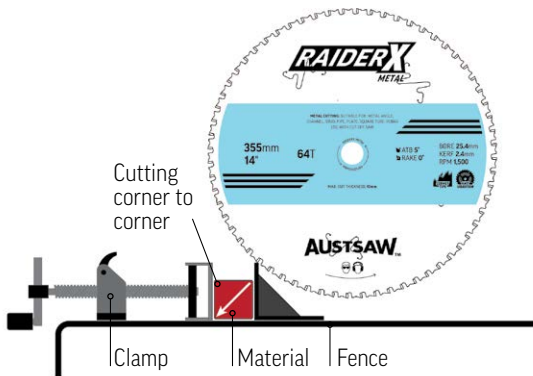
To achieve maximum blade life, the teeth need to remove the material in a milling action. In addition keeping as few teeth as possible in the cut will keep the blade cooler, and ensure the teeth do not dull quickly. Ideally the material will be cut from corner to corner, **as shown in the diagrams below.**

The material should always be positioned and clamped tightly to avoid vibrations, which will lead to premature blade wear.

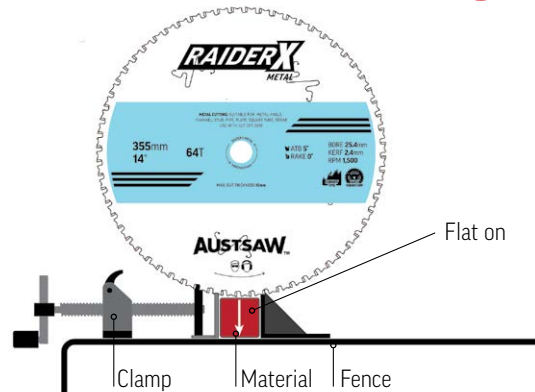
If your saw allows it, adjust the position of the back fence either closer to the back or front of the saw, depending on the size of the material being cut.

If your saw does not have an adjustable fence, then spacer blocks can be used as per the diagram below, to ensure the material being cut is in the optimal position.

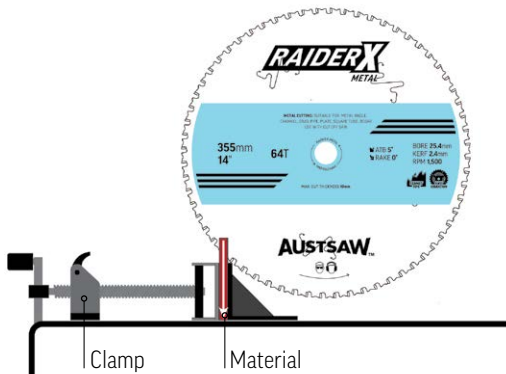
## SHS CUTTING



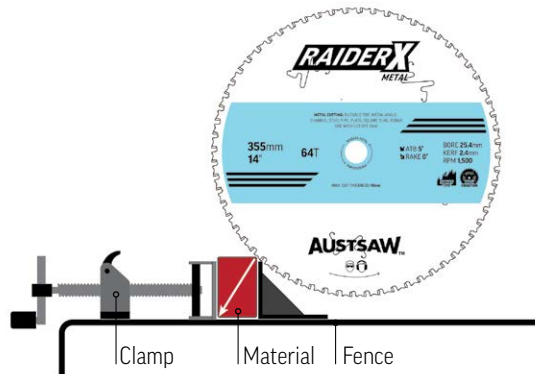
## SHS CUTTING



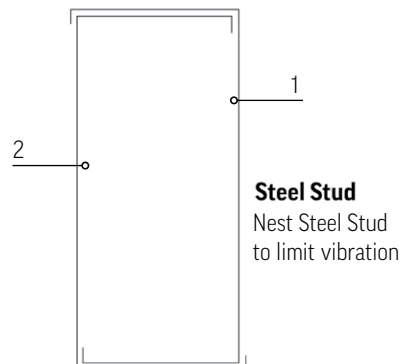
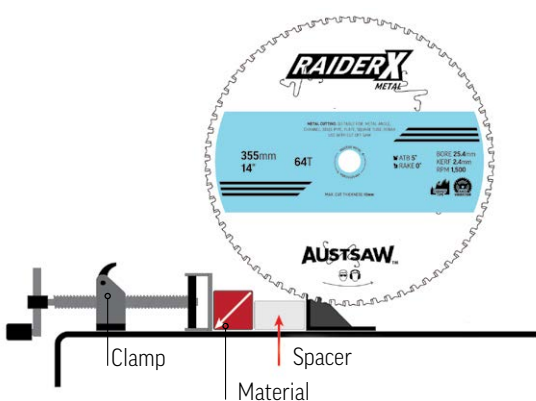
## FLAT BAR CUTTING



## RHS CUTTING



## CUTTING WITH SPACER





# Extreme Stainless Steel



- Premium cermet carbide tips give exceptional life and clean, cool cutting in stainless steel
- Blade designed with laser cut slits for noise reduction
- Non stick pro-shield coating reduces frictional resistance on blade surface
- Anti-vibration slot resin plugs absorbs vibration
- Dual step saw blade technology
- Stainless steel cutting includes stainless pipe, stainless square tube, stainless plate and stainless rebar
- Japanese blade technology
- Blades are suitable for use with #316 grade stainless steel, however blade life will be reduced



Stainless Steel



Stainless Pipe



Stainless Plate



Stainless Square Tubing



SCAN TO SEE the Extreme Stainless Steel in action or visit [sheffield.com.au](http://sheffield.com.au)

## CARDED 1 PCE

ø	Teeth	Bore mm	Bush mm	Tooth Grind	Rake°	Kerf mm	Max Cut Thickness mm	CODE	Application	Use with	RPM
135mm   5 3/8"	50	20	NA	ATB 8	0	1.5	2.0	SSBE1352050	General Purpose	Cordless Metal Saw	6,000
150mm   6"	52	20	NA	ATB 8	0	1.5	2.0	SSBE1502052	General Purpose	Cordless Metal Saw	6,000
165mm   6 1/2"	56	20	16	ATB 8	0	1.5	3.0	SSBE1652056	General Purpose	Cordless Saw	6,000
185mm   7 1/4"	64	20	16	ATB 8	0	1.5	3.0	SSBE1852064	General Purpose	Cordless / Corded Saw	5,800
355mm*   14"	110	25.4	NA	ATB 8	0	2.1	6.0	SSBE355254110	General Purpose	Low Speed Saw	1,500

\*SEE PAGE 26 FOR CORRECT CUTTING PROCEDURES | 355mm is resharpenable



### WHAT ARE CERMET TIPS?

- >> Cermet is a composite material composed of ceramic(cer) and metal(met) materials
- >> Cermet is a new alternative to use instead of tungsten carbide and other brazed tools due to superior wear and non-corrosive properties
- >> Cermet cuts cool, able to resist heat which shortens the life of traditional carbide-tipped saw blades
- >> Cermet is ideally designed to have the optimal properties of both a ceramic, such as high temperature resistance and hardness, and those of a metal, such as the ability to undergo plastic deformation
- >> Some types of cermets are also being considered for use as spacecraft shielding as they resist the high velocity impacts of micro-meteoroids and orbital debris much more effectively than more traditional spacecraft materials such as aluminium and other metals

## MAXIMUM PERFORMANCE IN METAL CUTTING APPLICATIONS

CARDED 1 PCE





# RaiderX Metal



RaiderX Metal blades exhibit maximum performance in metal cutting applications. Featuring cermet tips this blade has 3x the life of its competitors.

Premium cermet carbide tips give exceptional life and clean, cool cutting in metal

- Blade designed with laser cut slits for noise reduction
- Super thin kerf design delivers a smooth and sharp cut
- Advanced tooth geometry improves balance and stability in a straight running cut
- General purpose cutting includes angle, c-channel, stud, pipe, plate tube and rebar



Metal Angle



C-Channel



Steel Pipe



Steel Plate



Rebar



Square Tube

## CARDED 1 PCE

Ø	Teeth	Bore mm	Bush mm	Tooth Grind	Rake°	Kerf mm	Max Cut Thickness mm	CODE	Application	Use with	RPM
135mm   5 3/8"	26	20	NA	ATB 3	0	1.2	4.0	MBR1352026	General Purpose	Cordless Metal Saw	6,000
150mm   6"	32	20	NA	ATB 3	0	1.2	4.0	MBR1502032	General Purpose	Cordless Metal Saw	6,000
165mm   6 1/2"	32	20	16	ATB 3	0	1.4	6.0	MBR1652032	General Purpose	Cordless Saw	6,000
185mm   7 1/4"	36	20	16	ATB 3	0	1.4	6.0	MBR1852036	General Purpose	Cordless/Corded Saw	5,800
305mm*   12"	54	25.4	NA	ATB 5	0	2.2	10.0	MBR30525454	General Purpose	Low Speed Saw	1,700
355mm*   14"	64	25.4	NA	ATB 5	0	2.4	10.0	MBR35525464	General Purpose	Low Speed Saw	1,500

\*SEE PAGE 26 FOR CORRECT CUTTING PROCEDURES | 305 & 355mm are resharpenable



CARDED 1 PCE



# EXTREME Heavy Metal

Extreme Heavy Metal blades exhibit extreme performance in ferrous metal applications.

- Premium cermet tips give exceptional life and clean cool cutting
- Advanced Tooth Technology with high impact resistant tips and brazing to handle thick metal
- Unique Tooth Geometry that reduces cutting resistance and increases life in heavy metal

Code: MBR1852036H



Steel Angle



C-Channel



Steel Pipe



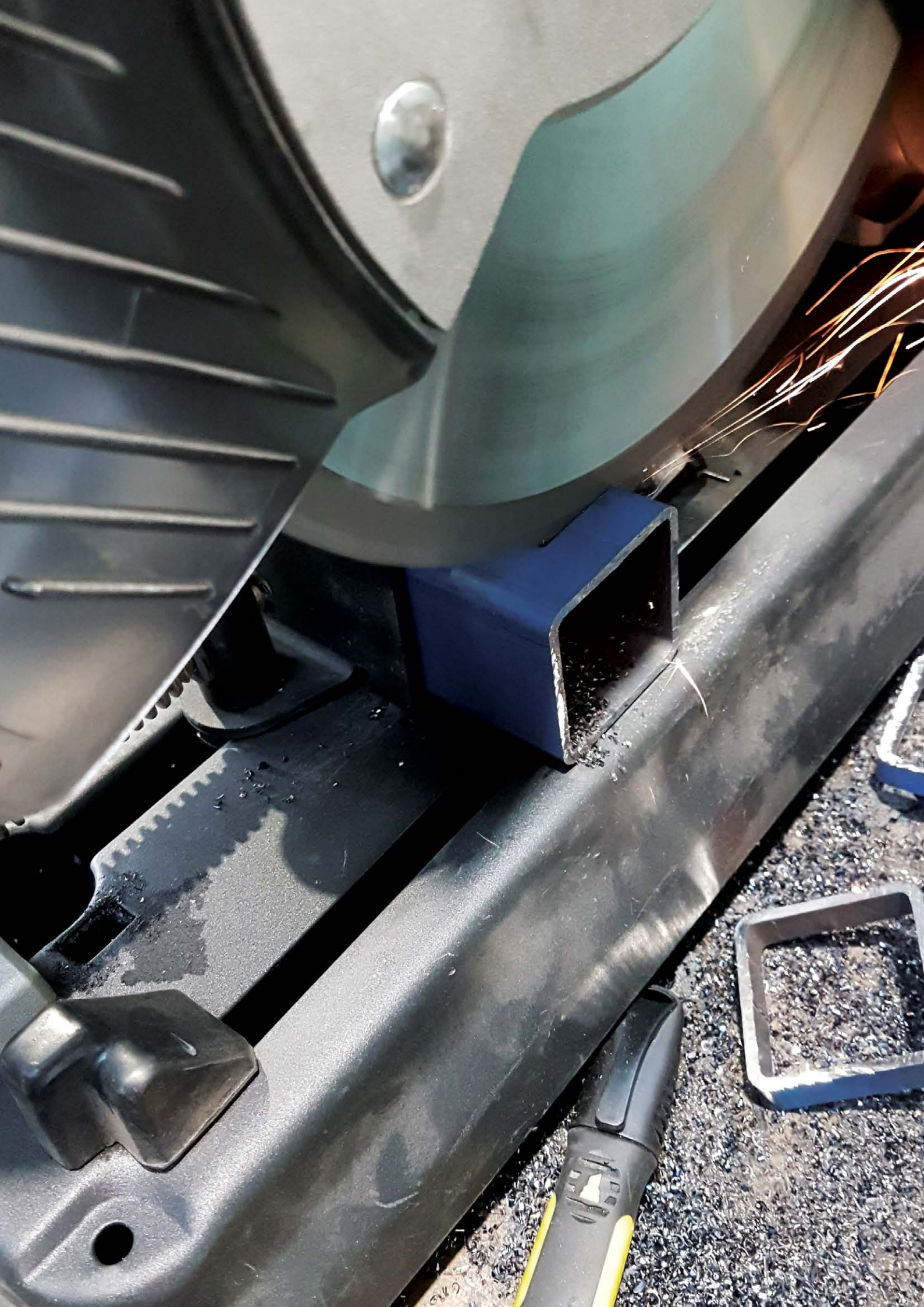
Steel Plate

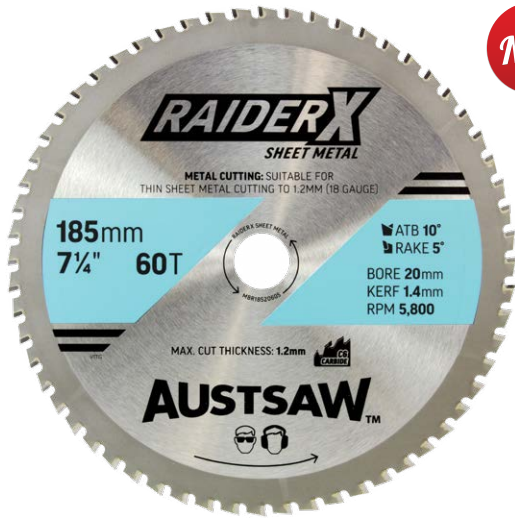


Steel Rebar



Steel Tube





# RaiderX Sheet Metal



RaiderX Sheet Metal blades exhibit maximum performance in sheet metal cutting applications. Featuring Cermet/TCT tips this blade has 6x the life of its competitors.

- Premium Cermet (135 - 150mm) and C6 Carbide (165 - 185mm) tips give exceptional life and clean, cool cutting in sheet metal
- 6x Life compared to competitor sheet metal saw blades
- Super thin kerf design delivers a smooth and sharp cut
- Advanced tooth geometry improves balance and stability for a straight running cut
- Suitable for Thin Sheet Metal cutting to 1.2mm (18 Gauge) including: Roofing, cladding, corrugated sheet, flat sheet & steel studs etc



Corrugated Sheet Metal



Sheet Metal

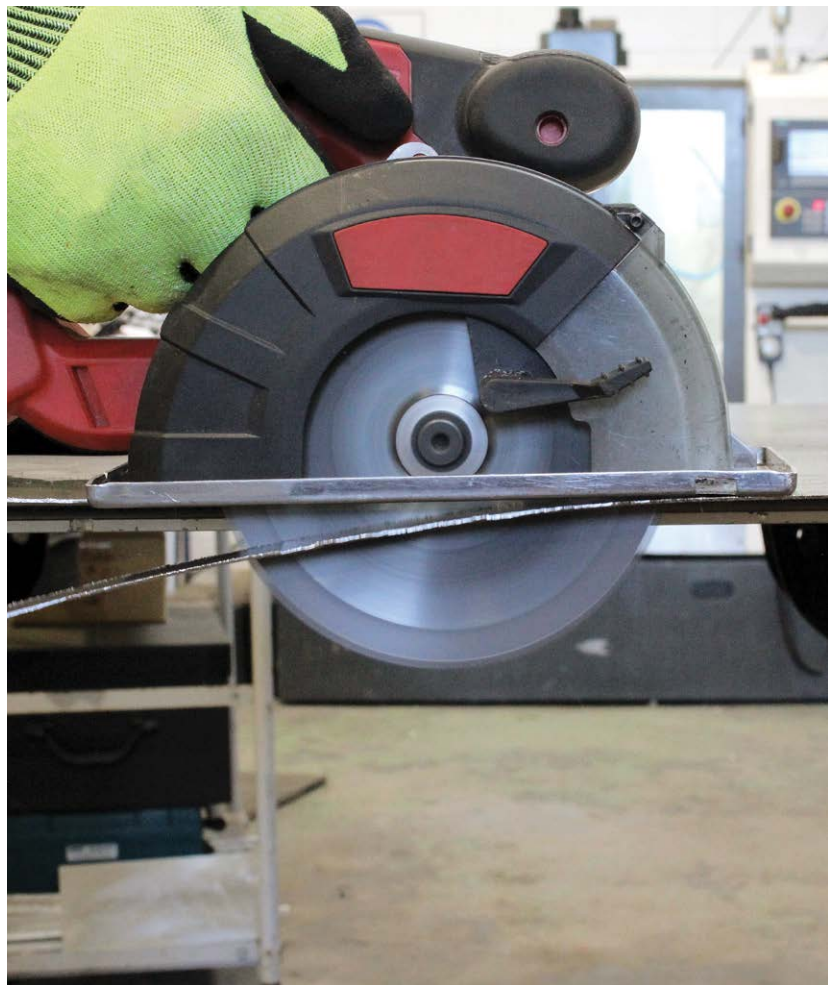
## CARDÉ 1 PCE

Ø	Teeth	Tip	Bore mm	Bush mm	Tooth Grind	Rake°	Kerf mm	Max. Cut Thickness mm	CODE	Application	Use with	RPM
135mm   5 1/8"	50	Cermet	20		ATB 3	-10	1.2	1.2 (18G)	MBR1352050S	General Purpose	Cordless Metal Saw	6,000
150mm   6"	52	Cermet	20		ATB 3	-10	1.4	1.2 (18G)	MBR1502052S	General Purpose	Cordless Metal Saw	6,000
165mm   6 1/2"	56	C6 Carbide	20		ATB 10	5	1.4	1.2 (18G)	MBR1652056S	General Purpose	Cordless Metal Saw	6,000
185mm   7 1/4"	60	C6 Carbide	20		ATB 10	5	1.4	1.2 (18G)	MBR1852060S	General Purpose	Cordless Metal Saw	5,800

### MAXIMUM PERFORMANCE IN SHEET METAL CUTTING APPLICATIONS



CARDÉ 1 PCE





## Milling Cutter

- Triple chip tooth grind for clean and smooth cutting
- Made from hardened tempered body with the highest quality carbide tips
- Triple chip technology
- Blade can be resharpened
- Ideal for aluminium tanks and suitable for boat repairs



Aluminium



CARDED 1 PCE

### CARDED 1 PCE

ø	Teeth	Bore mm	Bush mm	Tooth Grind	Rake°	Kerf mm	CODE	Application	Use with	RPM
103mm   4"	20	16		Trapezoidal Tip	-5	4.0/2.8	MC1031620	Rip/Crosscut	Angle Grinder	15,000
115mm   4½"	24	22.2		Trapezoidal Tip	-5	4.0/2.8	MC11522224	Rip/Crosscut	Angle Grinder	15,000
125mm   5"	24	22.2		Trapezoidal Tip	-5	4.0/2.8	MC12522224	Rip/Crosscut	Angle Grinder	15,000



## Panel Cutter

- Produces a smooth clean cut with all types of EPS panels
- Double bevelled edges fold the edge as you cut to improve panel joints
- Quick clean cut with no dust
- Can be resharpened



Sandwich Bar



Coolroom Panel

### CARDED 1 PCE

ø	Teeth	Bore mm	Kerf mm	CODE	Use with	RPM
150mm   6"	NA	25.4	3.0	PC15025	Circular Saw	5,800



CARDED 1 PCE

*Note*

### LUBRICANT MUST BE USED WHEN CUTTING ALUMINIUM

ALY-LUBE is non toxic and ideal when cutting non ferrous metals

SEE PAGE 46

Aluminium Lubricant Aly-Lube, 225g

Code: ALYLUBE







# Demo Raptor

**100x  
LONGLIFE**

**Diamond  
Particles**



**Vacuum Bonded**

- Clean and fast cutting technology
- Vacuum bonded diamond particles create the strongest and most durable heat resistant bond
- Outlasts abrasive discs up to 100:1 giving you extra long life
- Suits both wet and dry cutting applications
- Perfect for emergency service departments



Stone



Concrete



Aerated  
Concrete



Steel



Copper



Brick



Wood



All Pipe



SCAN TO SEE the Demo Raptor  
in action or visit [sheffield.com.au](http://sheffield.com.au)

## CARDED 1 PCE

Ø	Bore mm	Bush mm	Kerf mm	CODE	Application	Use with	RPM
100mm   4"	22.2	16	2.7	AUDIA100RESQ	Multi Purpose	Angle Grinder	15,200
115mm   4 1/2"	22.2	NA	2.7	AUDIA115RESQ	Multi Purpose	Angle Grinder	13,200
125mm   5"	22.2	NA	2.7	AUDIA125RESQ	Multi Purpose	Angle Grinder	12,200
185mm   7 1/4"	20	16	2.7	AUDIA185RESQ	Multi Purpose	Corded/ Cordless Saw	8,500
235mm   9 1/4"	25	22.2	2.7	AUDIA235RESQ	Multi Purpose	Corded/ Cordless Saw	6,790
350mm   14"	25.4	NA	3.5	AUDIA350RESQ	Multi Purpose	Power, Portable and Drop Saws	5,400
400mm   16"	25.4	NA	3.7	AUDIA400RESQ	Multi Purpose	Demolition Saw	3,820



**THE EXTREME MULTI-PURPOSE  
DEMOLITION DIAMOND BLADE**


CARDED 1 PCE





Recommended Applications

	Concrete	Rio Concrete	Green Concrete	Concrete Block	Aerated Concrete	Cement Sheet	Asphalt	Ceramics	Porcelain	Pavers	Bluestone	Marble	Granite	Sandstone	Fibreglass	Glass	PVC	Terraotta	Brick
<b>AUSTSAW Super Turbo</b>	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓		✓	✓	✓
<b>AUSTSAW Continuous Rim</b>						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>AUSTSAW Ultra Thin</b>								✓	✓		✓	✓	✓	✓			✓	✓	
<b>AUSTSAW General Purpose Segmented</b>	✓			✓				✓		✓	✓	✓	✓	✓			✓	✓	✓
<b>AUSTSAW Hard Brick</b>				✓	✓						✓	✓	✓						✓
<b>AUSTSAW Green Concrete</b>			✓	✓	✓	✓	✓	✓			✓			✓			✓	✓	
<b>AUSTSAW Asphalt</b>			✓	✓	✓		✓			✓	✓			✓					
<b>AUSTSAW Crack Chaser</b>	✓		✓	✓						✓									✓
<b>BOXER Super Turbo</b>	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓		✓	✓	✓
<b>BOXER Continuous Rim</b>						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>BOXER Ultra Thin</b>								✓	✓		✓	✓	✓	✓			✓	✓	
<b>BOXER General Purpose Segmented</b>	✓			✓				✓		✓	✓	✓	✓	✓			✓	✓	✓

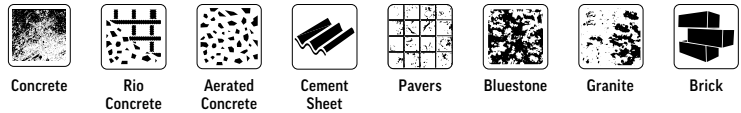
 IDEAL FOR  
 SUITS



# Super Turbo



- Excellent blade life
- Extremely high diamond count
- The blade's wave design provides added strength and helps extract dust build up
- Fast, smooth, clean cutting
- Suitable for wet and dry use
- Less vibration



## CARDED 1 PCE

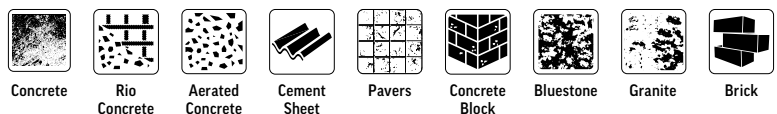
Ø	Teeth	Bore mm	Bush mm	Kerf mm	CODE	Application	Use with	RPM
103mm   4"	NA	16	NA	1.8	AUDIA103T	Multi-Purpose	Angle Grinder	15,000
115mm   4½"	NA	22.2	NA	1.8	AUDIA115T	Multi-Purpose	Angle Grinder	13,300
125mm   5"	NA	22.2	NA	1.8	AUDIA125T	Multi-Purpose	Angle Grinder	12,250
180mm   7"	NA	22.2/20	NA	2.4	AUDIA180T	Multi-Purpose	Portable Saw, Angle Grinder	8,730
230mm   9"	NA	25/22.2	NA	2.5	AUDIA230T	Multi-Purpose	Portable Saw, Angle Grinder	6,790



# Boxer Super Turbo



- The blade's wave design provides added strength and helps extract dust build up
- Excellent blade life
- Trade quality
- Fast, smooth, clean cutting
- Suitable for wet and dry use



## CARDED 1 PCE

Ø	Teeth	Bore mm	Bush mm	Kerf mm	CODE	Application	Use with	RPM
103mm   4"	NA	16	NA	1.8	BXR4T	Multi-Purpose	Angle Grinder	15,000
115mm   4½"	NA	22.2	NA	1.8	BXR4.5T	Multi-Purpose	Angle Grinder	13,300
125mm   5"	NA	22.2	NA	1.8	BXR5T	Multi-Purpose	Angle Grinder	12,000
180mm   7"	NA	22.2/20	NA	2.4	BXR7T	Multi-Purpose	Portable Saw, Angle Grinder	8,730
230mm   9"	NA	25/22.2	NA	2.5	BXR9T	Multi-Purpose	Portable Saw, Angle Grinder	6,790



## Continuous Rim



- Excellent blade life
- Extremely high diamond count
- Fast, smooth, clean cutting
- Suitable for wet and dry use
- Less vibration
- Ideal for tile saws



Cement Sheet



Ceramics

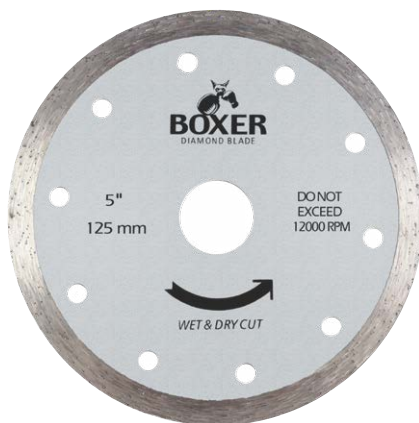


Porcelain



Terracotta

CARDED 1 PCE								
Ø	Teeth	Bore mm	Bush mm	Kerf mm	CODE	Application	Use with	RPM
103mm   4"	NA	16	NA	1.8	AUDIA103C	Multi-Purpose	Angle Grinder	15,000
115mm   4½"	NA	22.2	NA	1.8	AUDIA115C	Multi-Purpose	Angle Grinder	13,300
125mm   5"	NA	22.2	NA	1.8	AUDIA125C	Multi-Purpose	Angle Grinder	12,250
150mm   6"	NA	20	NA	2.4	AUDIA150C	Multi-Purpose	Angle Grinder	10,185
180mm   7"	NA	22.2/20	NA	2.4	AUDIA180C	Multi-Purpose	Angle Grinder	8,730
200mm   8"	NA	25.4/22.2	NA	2.4	AUDIA200C	Multi-Purpose	Portable Saw, Angle Grinder	7,640
230mm   9"	NA	25.4/22.2	NA	2.4	AUDIA230C	Multi-Purpose	Portable Saw, Angle Grinder	6,790
250mm   10"	NA	25.4/20	NA	2.8	AUDIA250C	Multi-Purpose	Portable Saw	6,115
300mm   12"	NA	25.4/20	NA	3.0	AUDIA300C	Multi-Purpose	Portable Saw	5,095
350mm   14"	NA	25.4/20	NA	3.4	AUDIA350C	Multi-Purpose	Brick, Concrete & Radial Arm Saws	4,365



## Boxer Continuous Rim



- Excellent blade life
- Trade quality
- Fast, smooth, clean cutting
- Suitable for wet and dry use



Cement Sheet



Ceramics



Porcelain



Terracotta

CARDED 1 PCE								
Ø	Teeth	Bore mm	Bush mm	Kerf mm	CODE	Application	Use with	RPM
103mm   4"	NA	16	NA	1.8	BXR4C	Multi-Purpose	Angle Grinder	15,000
115mm   4½"	NA	22.2	NA	1.8	BXR4.5C	Multi-Purpose	Angle Grinder	13,300
125mm   5"	NA	22.2	NA	1.8	BXR5C	Multi-Purpose	Angle Grinder	12,000
180mm   7"	NA	22.2/20	NA	2.4	BXR7C	Multi-Purpose	Angle Grinder	8,730



## Ultra Thin



- Excellent blade life
- Extremely high diamond count
- Fast, smooth, clean cutting
- Suitable for wet and dry use
- Less vibration
- Ideal for tile saws



Ceramics



Porcelain



PVC



Terracotta

### CARDED 1 PCE

Ø	Teeth	Bore mm	Bush mm	Kerf mm	CODE	Application	Use with	RPM
103mm   4"	NA	16	NA	1.2	AUDIA103U	Multi-Purpose	Angle Grinder	15,300
115mm   4½"	NA	22.2	NA	1.2	AUDIA115U	Multi-Purpose	Angle Grinder	13,300
125mm   5"	NA	22.2	NA	1.2	AUDIA125U	Multi-Purpose	Angle Grinder	12,250



## General Purpose Segmented



- Excellent blade life
- Extremely high diamond count
- Fast, smooth, clean cutting
- Suitable for wet and dry use
- Less vibration



Concrete



Concrete Block



Pavers



Bluestone



Marble



Brick

### CARDED 1 PCE

Ø	Teeth	Bore mm	Bush mm	Kerf mm	CODE	Application	Use with	RPM
103mm   4"	NA	16	NA	1.8	AUDIA103S	General-Purpose	Angle Grinder	15,000
115mm   4½"	NA	22.2	NA	1.8	AUDIA115S	General-Purpose	Angle Grinder	13,300
125mm   5"	NA	22.2	NA	1.8	AUDIA125S	General-Purpose	Angle Grinder	12,000
230mm   9"	NA	25	22.2	2.8	AUDIA230S	General-Purpose	Portable Saw	6,790
350mm   14"	NA	25.4	20	3.4	AUDIA350GP	General-Purpose	Brick, Concrete & Radial Arm Saws	4,365
400mm   16"	NA	25.4	20	3.5	AUDIA400GP	General-Purpose	Brick, Concrete & Radial Arm Saws	3,820
530mm   20"	NA	25.4	NA	3.5	AUDIA530GP	General-Purpose	Brick, Concrete & Radial Arm Saws	3,055



## Boxer Ultra Thin



- Excellent blade life
- Trade quality
- Fast, smooth, clean cutting
- Suitable for wet and dry use



Ceramics



Porcelain



PVC



Terracotta

### CARDED 1 PCE

ø	Teeth	Bore mm	Bush mm	Kerf mm	CODE	Application	Use with	RPM
103mm   4"	NA	16	NA	1.8	BXR4U	Multi-Purpose	Angle Grinder	15,000
115mm   4½"	NA	22.2	NA	1.8	BXR4.5U	Multi-Purpose	Angle Grinder	13,300
125mm   5"	NA	22.2	NA	1.8	BXR5U	Multi-Purpose	Angle Grinder	12,000



## Boxer General Purpose Segmented



- Excellent blade life
- Trade quality
- Fast, smooth, clean cutting
- Suitable for wet and dry use



Concrete



Concrete Block



Pavers



Bluestone



Marble



Brick

### CARDED 1 PCE

ø	Teeth	Bore mm	Bush mm	Kerf mm	CODE	Application	Use with	RPM
103mm   4"	NA	16	NA	1.8	BXR4S	General-Purpose	Angle Grinder	15,000
115mm   4½"	NA	22.2	NA	1.8	BXR4.5S	General-Purpose	Angle Grinder	13,300
125mm   5"	NA	22.2	NA	1.8	BXR5S	General-Purpose	Angle Grinder	12,000
235mm   9"	NA	25	22.2	2.8	BXR9S	General-Purpose	Circular Saw & Angle Grinder	6,790
350mm   14"	NA	25.4	20	3.4	BXR14S	General-Purpose	Brick, Concrete & Radial Arm Saws	4,365
400mm   16"	NA	25.4	20	3.4	BXR16S	General-Purpose	Brick, Concrete & Radial Arm Saws	3,395



## Hard Brick



- Laser welded diamond particles
- Extremely high diamond count
- Suitable for wet and dry use
- Drop segments to protect the blade from premature wearing



Concrete Block



Bluestone



Brick

### CARDED 1 PCE

Ø	Teeth	Bore mm	Bush mm	Kerf mm	CODE	Application	Use with	RPM
350mm   14"	NA	25.4/20	NA	3.4	AUDIA350H	General-Purpose	Brick, Concrete & Radial Arm Saws	4,365



## Green Concrete



- Laser welded diamond particles
- Made from hardened tempered body with the highest quality steel
- Excellent blade life
- Extremely high diamond count
- Fast, clean cutting
- Suitable for wet and dry use
- Less vibration



Green Concrete



Concrete Block



Aerated Concrete



Asphalt

### CARDED 1 PCE

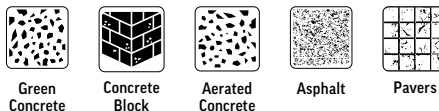
Ø	Teeth	Bore mm	Bush mm	Kerf mm	CODE	Application	Use with	RPM
230mm   9"	NA	25/22.2	NA	3.0	AUDIA230G	General-Purpose	Angle Grinders & Portable Saws	6,790



# Asphalt

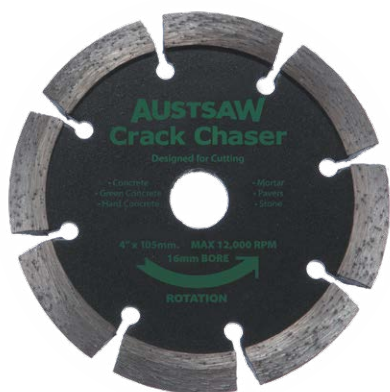


- Laser welded diamond particles
- Excellent blade life
- Made from hardened tempered body with the highest quality steel
- Extremely high diamond count
- Fast, clean cutting
- Suitable for wet and dry use
- Less vibration and minimal dust



## CARDED 1 PCE

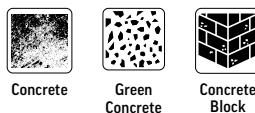
ø	Teeth	Bore mm	Bush mm	Kerf mm	CODE	Application	Use with	RPM
300mm   12"	NA	25.4/20	NA	3.4	AUDIA300A	General-Purpose	Brick, Concrete & Radial Arm Saws	5,095
350mm   14"	NA	25.4/20	NA	3.4	AUDIA350A	General-Purpose	Brick, Concrete & Radial Arm Saws	4,365
400mm   16"	NA	25.4/20	NA	3.5	AUDIA400A	General-Purpose	Brick, Concrete & Radial Arm Saws	3,820
450mm   18"	NA	25.4	NA	3.5	AUDIA450A	General-Purpose	Brick, Concrete & Radial Arm Saws	3,395



# Crack Chaser



- The 'V' shape design, highest quality steel and diamond count makes the blade perfect for crack chasing repairs in concrete using epoxy resin or cement products
- Extremely high diamond count
- Trade quality
- Suitable for wet and dry use



## CARDED 1 PCE

ø	Teeth	Bore mm	Bush mm	Kerf mm	CODE	Application	Use with	RPM
103mm   4"	NA	16	NA	5.0	CC105S	General-Purpose	Angle Grinder	12,250

# RaiderX Cup Wheels - Turbo Row



CARDED 1 PCE

- Heavy duty, high performance grinding cups provide a superior cutting action for fast levelling and removal of concrete, paint, glues and epoxy
- Made from solid steel with the highest diamond count
- Threaded arbor for faster attachment
- Ideal for the removal of graffiti and adhesive build up
- Premium European diamond grit



Cement Sheet



Paint



Glue



Epoxy Resin



Grout



Concrete

## TURBO ROW

### CARDED 1 PCE

ø	Thread	Type	CODE	Application	Use with	RPM
103mm   4"	M10	Turbo Row	AUCUP103TR	General-Purpose	Angle Grinder and Sander Polisher	15,000
125mm   5"	M14	Turbo Row	AUCUP125TR	General-Purpose	Angle Grinder and Sander Polisher	12,000
180mm   7"	M14	Turbo Row	AUCUP180TR	General-Purpose	Angle Grinder and Sander Polisher	8,730

# Raider Cup Wheels - Turbo Row



CARDED 1 PCE

### TURBO ROW CUP WHEEL

- >> Super (turbo) fast performance
- >> Designed for general purpose grinding of masonry and concrete
- >> The row configuration allows for efficient dust control via fast evacuation
- >> Recommended for smoothing undulations on rough surfaces



Cement Sheet



Paint



Glue



Epoxy Resin



Grout



Concrete

## TURBO ROW

### CARDED 1 PCE

ø	Thread	Type	CODE	Application	Use with	RPM
103mm   4"	M10	Turbo Row	BXR4TR	General-Purpose	Angle Grinder and Sander Polisher	15,000
125mm   5"	M14	Turbo Row	BXR5DR	General-Purpose	Angle Grinder and Sander Polisher	12,000
180mm   7"	M14	Turbo Row	BXR7DR	General-Purpose	Angle Grinder and Sander Polisher	8,730

# RaiderX Cup Wheels - Double Row



CARDED 1 PCE

- Heavy duty, high performance grinding cups provide a superior cutting action for fast levelling and removal of concrete, paint, glues and epoxy
- Made from solid steel with the highest diamond count
- Threaded arbor for faster attachment
- Ideal for the removal of graffiti and adhesive build up
- Premium European diamond grit



## DOUBLE ROW

CARDED 1 PCE						
ø	Thread	Type	CODE	Application	Use with	RPM
103mm   4"	M10	Double Row	AUCUP103DR	General-Purpose	Angle Grinder and Sander Polisher	15,000
125mm   5"	M14	Double Row	AUCUP125DR	General-Purpose	Angle Grinder and Sander Polisher	12,000
180mm   7"	M14	Double Row	AUCUP180DR	General-Purpose	Angle Grinder and Sander Polisher	8,730

# Raider Cup Wheels - Double Row



CARDED 1 PCE

### DOUBLE ROW CUP WHEEL

- >> The double row gives a smooth finish and a very long life
- >> Designed for general purpose and flat grinding
- >> They are ideal for aggressive removal of imperfections and concrete bumps
- >> The inner holes on the wheel allow for cooling



## DOUBLE ROW

CARDED 1 PCE						
ø	Thread	Type	CODE	Application	Use with	RPM
103mm   4"	M10	Double Row	BXR4DR	General-Purpose	Angle Grinder and Sander Polisher	15,000
125mm   5"	M14	Double Row	BXR5DR	General-Purpose	Angle Grinder and Sander Polisher	12,000
180mm   7"	M14	Double Row	BXR7DR	General-Purpose	Angle Grinder and Sander Polisher	8,730



**AUSTSAW.**

PERFECT TO USE WITH SEE PAGE 19



SCAN TO SEE the Spark Buster in action  
or visit [sheffield.com.au](http://sheffield.com.au)

# SPARK BUSTER

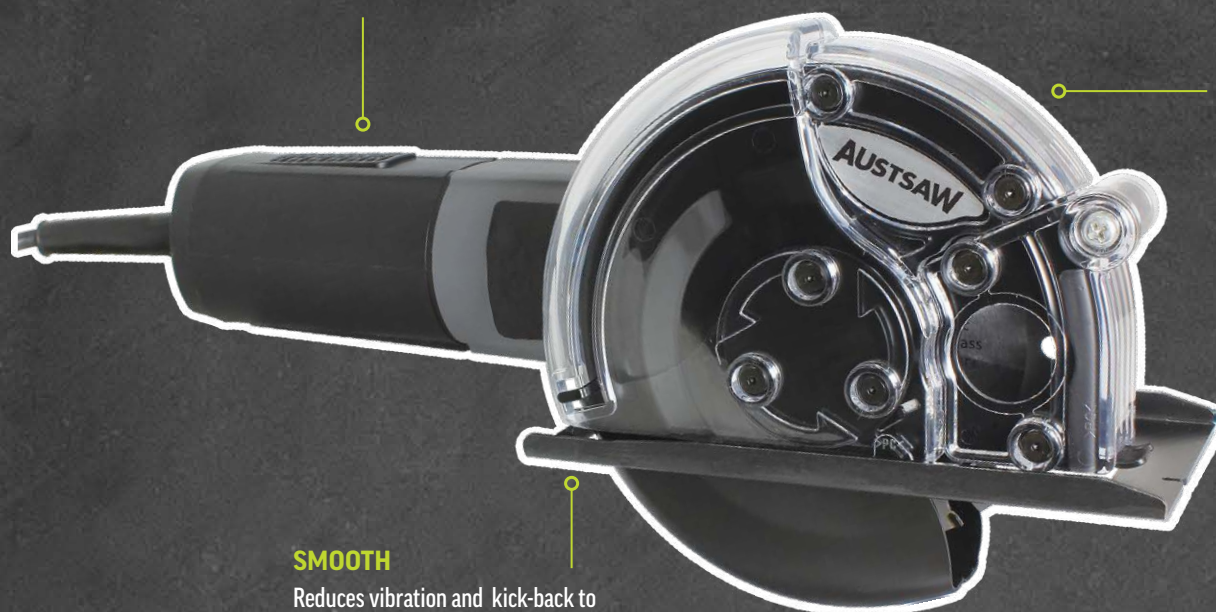
HYBRID SPARK GUARD  
FOR ANGLE GRINDERS

## VERSATILE

Can be fitted with a variety of grinders, & most 100 - 125mm blades, to be used in metal, wood & concrete

## SAFE

The innovative SPARK CONTROL SYSTEM safely exhausts the sparks when in use



## SMOOTH

Reduces vibration and kick-back to achieve smooth, comfortable cutting with small energy loss

Spark Buster



Weight 900g

Cutting Depth Max 26.5mm (when using 125mm blade)

Suitable Blade 100 - 125mm tipped saws, abrasive cutting wheels and diamond blades

Code: AGG01

### Tested on the following grinders

BOSCH - GWS6-115 | GSW7-115(E)

HITACHI - G125S | G125SR3 | G13SR3 | G13B3

MAKITA - 554NB | 9558NB | GA4530 | GA5020 | 9565CV | DGA505

MILWAUKEE - CAG125XPD



# Bushes

## BUSHES

### CARDED 2 PCE

Ø mm	Code
16 - 10	BUSH1610
20 -16	BUSH2016
22.2 - 16	BUSH22.2-16
22.2 - 20	BUSH22.220
25 - 16	BUSH2516
25 - 19.05	BUSH2519.05
25 - 20	BUSH2520
25 - 22.2	BUSH2522.2
25.4 - 16	BUSH25.416
25.4 - 20	BUSH25.420
25.4 - 22.2	BUSH25.422.2
30 - 16	BUSH3016
30 - 20	BUSH3020
30 - 25	BUSH3025
30 - 25.4	BUSH3025.4
35 - 25	BUSH3525



CARDED 2 PCE

## WIDE SERRATED BUSHES



### CARDED 1 PCE

Ø mm	Code
25 - 20	BUSH25420W



CARDED 1 PCE



## Aluminium Lubricant

- Reduces adhesion of material chips to the blade tooth, extending blade life
- Aly-Lube is ideal when cutting aluminium and other non ferrous materials
- Aly-Lube is non-toxic

Aluminium Lubricant Aly-Lube, 225g

Code: **ALYLUBE**



**AUSTSAW™**



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