



Cutting & Grinding

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temsupplies.com.au



DIAMOND



B+BTEC

KARAT®

Core Drilling Systems



Electronic Motor Protection - The Pulse™ Electronic Motor Protection System physically alerts the operator of an approaching motor overload by varying the rpm rate up to 6 times before shut down. The result is increased machine & bit life and allows the operator to achieve optimal drilling speed at all times.



Motor Overload Protection - 7 bright LED's visually aid the operator at maintaining optimal bit feed pressure thus preventing motor overload and increasing drilling performance.



3-Speed Gearing - All our Karat® core drills are equipped with powerful drill motors and a 3-speed gear box for optimal drilling performance regardless of the bit diameter, concrete quality or amount of reinforcement.



Modular Design - The modular system design of the new Karat® core drilling machines gives the customer the freedom to configure his own drilling rig. Also it allows for the easy exchange of drill motors, stands and accessories on the job-site.



Data Retrieval Software - Karat® Drill Motors have an integrated data storage capability. Machine data such as operating hours and motor loading are saved. This data can easily be retrieved with the optional Karat® data software using a hi-speed USB connection (included in the software package).



Made in the Netherlands



KARAT® 130BG up to 130mm

Use Wet or Dry Handheld or Rig Mounted

Part No.	Technical Specification	
DCTDK130BG	Power:	2000 W
	Motor Speed Gearing:	230V/50-60Hz/3-
	Bit Range:	Ø 8 - 132 mm
	Wet handheld drilling in concrete	Ø 8 - 40 mm
	Dry handheld drilling in masonry	Ø 20 - 164 mm
	Rig mounted wet drilling in concrete	Ø 8 - 132 mm
	Gear selection 1	Ø 55 - 132 mm - 900 rpm
	Gear selection 2	Ø 25 - 60 mm - 2180 rpm
	Gear selection 3	Ø 8 - 35 mm - 4290 rpm
	Spindle threading:	½" - 1 ¼"
	Dimensions (L x W x H):	410 x 110 x 280 mm
	Weight:	7,5 kg





DIAMOND



KARAT 300 up to 300mm

Faster Set-Up even Faster Drilling

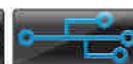


Part No.	Technical Specification	
DCTDK300 <ul style="list-style-type: none"> Protective motor brackets that double as handles. Powerful Drill Motors with PULSE™ Electronic Motor Protection System. Full range of HiSpeed diamond core bits. Water levels for easy machine set-up. Anchoring assembly. Engraved drilling depth indication Quick-release slide (Karat 300 only). Dovetail guide-way. Quick snap reversible downfeed spindle (left-right). Waterflow indicator. Column tilttable up to 45° for angle drilling. Transportation wheels. LED motor overload protection system. 3-Speed gearing for optimal drilling performance at any diameter. Water valve. ½" - 1 ¼" combi spindle. Integrated centering device 	3-Speed Motor:	230V/50-60Hz/2400W
	Bit Range: [mm]	Ø 25 - 300
	Drilling Depth: [mm]	Standard 400
	Spindle Threading:	½" - 1 ¼"
	Column Tilt-able:	Up to 45°
	Weight: Inc Stand [kg]	30
	Dimensions (L x W x H): [mm]	530 x 275 x 775
	Gear selection 1	Ø 120 - 300 mm - 450 rpm
	Gear selection 2	Ø 60 - 150 mm - 900 rpm
	Gear selection 3	Ø 25 - 80 mm - 1600 rpm



KARAT 400 up to 400mm

Professional Diamond Core Drilling Rig



Part No.	Technical Specification	
DCTDK400 <ul style="list-style-type: none"> Protective motor brackets that double as handles. Powerful Drill Motors with PULSE™ Electronic Motor Protection System. Water levels for easy machine set-up. Anchoring assembly. Engraved drilling depth indication Dovetail guide-way. Quick snap reversible downfeed spindle (left-right). Waterflow indicator. Column tilttable up to 45° for angle drilling. Transportation wheels. LED motor overload protection system. 3-Speed gearing for optimal drilling performance at any diameter. Water valve. 1 ¼" spindle. 	3-Speed Motor:	230V/50-60Hz/2400W
	Bit Range: [mm]	Ø 50 - 400
	Drilling Depth: [mm]	Standard 400
	Spindle Threading:	1 ¼"
	Weight: Inc Stand [kg]	54
	Dimensions (L x W x H): [mm]	800 x 380 x 1080
	Gear selection 1	Ø 150 - 400 mm - 210 rpm
	Gear selection 2	Ø 70 - 180 mm - 500 rpm
	Gear selection 3	Ø 50 - 90 mm - 850 rpm



NEW





Karat Coring Accessories



B



C



D



E



F



	Part No.	Description	qty
A	DCAQES300	Karat 300 - Quick Release Slide (2.000.311) For Karat 300 Drill Motors. To be used on Drill Stand Large with wheels Inc. Quick release system, dovetail guide-way, water levels, and reversible downfeed spindle.	1
B	DCABGK130	Karat 130BG - Second Handle Back Grip (2.000.132) Additional Coated Aluminium Back Grip for Karat 130 BG. For operator comfort when drilling in Floor.	1
C	DCAC	Anchoring Assembly / Centerpen (2.100.009) For the fastening of the Karat Drill Stands Compact & Large. For use with ICCONS® M12 Drop-in Anchors. Use ICCONS 12 x 100 Thunderbolt Screw-bolts as Centerpin alternative.	1
D	DCART	Core Bit Rescue Tool (2.100.055) 475mm length For the retrieval of stuck core bits with 1¼" threading.	1
E	DCASK	Karat 130 Drill Stand Compact incl. Slide (2.000.131) Equipped with Dovetail Guide-Way, Centering Device, Depth Indication Supplied with Anchoring Assembly. Weight excl. slide: 9,5 kg	1
F	DCASKL	Drill Stand Large 700mm with wheels (2.000.304) Max. Bit Diameter: Ø300 mm	1
	DCASKL1000	Drill Stand Large 1000mm (2.000.312) Equipped with Dovetail Guide-Way, Centering Device, Drilling Depth Indication and Transportation Wheels. Supplied with Anchoring Assembly. Max. Bit Diameter: Ø300 mm	1



DIAMOND



Karat Coring Accessories

G



H



I



J



K



More than 50% weight reduction in comparison with standard rods.

1 1/4"

1/2"

BI fitting



BU fitting

M



	Part No.	Description	qty
G	DCVKS	Vacuum Kit Small (2.164.009) For the fastening of the Drill Stand Compact using a vacuum pump. Incl. Vacuum Rubber for the drill stand.	1
H	DCVKL	Vacuum Kit Large (2.250.011) For the fastening of the Drill Stand Large with Wheels using a vacuum pump. Incl. Pressure Gauge and Vacuum Rubber for the drill stand.	1
I	DCVP130/300	Vacuum Pump (2.100.002) For the fastening of the Karat Drill Stands. Requires Vacuum Kit.	1
J	DCK130WR10-66	KARAT 130BG - Water collector ring for a clean work area and overhead drilling Ø 10 - 66mm (2.000.145)	1
	DCK130WR50-131	Ø 50 - 130mm (2.000.146)	1
	DCK130RC10-66	Rubber Cover for 10 - 66mm Water collector ring (6.506.031)	1
	DCK130RC50-131	Rubber Cover for 50 - 130mm Water collector ring (6.506.030)	1
K	DCER12300	Elongation Rods for greater drilling depths Length 300mm - 1/2" Min. Bit Diameter Ø 30mm (2.100.039)	1
	DCER12500	Length 500mm - 1/2" Min. Bit Diameter Ø 30mm (2.100.038)	1
	DCER114300	Length 300mm - 1 1/4" Min. Bit Diameter Ø 50mm (2.100.010)	1
	DCER114500	Length 500mm - 1 1/4" Min. Bit Diameter Ø 50mm (2.100.011) Ultra Light Weight	1
L	DCABI	Adapter to suit Hilti tools with BI fitting (6006122)	NEW 1
	DCABU	Adapter to suit Hilti tools with BU fitting (6006104)	NEW 1
M	DCAFF	Reducing adaptor 1 1/4 UNC Female to 1/2" BSP Female (6006102)	NEW 1



DIAMOND



B+BTEC

Twice the Holes

New HiSpeed Diamond Core Bits for High Strength & Heavily Reinforced Concrete



Made in the Netherlands

NEW HiSpeed

B+Btec 1 st Generation	1.2 x
baseline	1.0 x



New HiSpeed Core Bits - Based upon some 40 years of experience & expertise in the design & manufacturing of diamond tools, the B+Btec engineers have developed a brand new line of HiSpeed diamond core bits. Together with the new Karat® Core Drilling Systems they form a combination that is very hard to match.

Unparalleled Drilling Speed - The HiSpeed diamond bits offer a fantastic drilling performance under any circumstance but the true nature of these bits is unleashed when drilling in high strength and heavily reinforced concrete. With drilling speeds more than doubling and often even tripling, the HiSpeed bits are unparalleled on the market today.

SinTec Diamond Technology - B+Btec has developed a New Advanced Sintering Technology called SinTec. The combination of SinTec Technology, the development of Special Bonds and the exclusive use of Top Quality Diamond Crystals has resulted in a unique range of HiSpeed Diamond Core Bits that guarantee an unparalleled Drilling Speed and Long Tool Life in a wide range of materials.

Thin Kerf Bit Design - The new HiSpeed bits, with a kerf thickness half that of most bits, require far less bit feed pressure, which allows for faster penetration. This lower feed pressure also permits down sizing the motor, column and base to achieve small lightweight rigs. Lightweight means faster set ups, which translates into more holes per day!

Quality Engineering - The new Karat® diamond core drilling rigs come with countless quality features to improve drilling performance, machine life & operator comfort. Features include a LED motor load monitoring system, a usb data retrieval option for operating hours and motor loading, protective brackets around the motor housing that double as handles, wheels for easy transportation.

Thin Kerf Diamond Bit Design

- Drilling through Reo - Easily
- Drill Faster
- More holes per hour



DIAMOND



CUSTOM CORES AVAILABLE



B+BTEC



DIAMOND



B+BTEC PRO Series

NEW Hi Speed

2.6x

B+BTEC 1st Generation 1.2x

baseline 1.0x

Drilling Speed Comparison



B+BTEC Diamond Core HiSPEED PRO Series Crown Bits

For wet use - 1/2" bsp



Part No.	Description		mm	mm	qty
DCP010	Diamond Core PRO Series 10mm (2561015)	NEW	10	150	1
DCP012	Diamond Core PRO Series 12mm (2561215)	NEW	12	150	1
DCP014	Diamond Core PRO Series 14mm (2561440)		14	400	1
DCP015-150	Diamond Core PRO Series 15mm (2561515)	NEW	15	150	1
DCP015	Diamond Core PRO Series 15mm (2561530)	NEW	15	300	1
DCP016	Diamond Core PRO Series 16mm (2561640)		16	400	1
DCP018	Diamond Core PRO Series 18mm (2561840)		18	400	1
DCP020	Diamond Core PRO Series 20mm (2562040)		20	400	1
DCP022	Diamond Core PRO Series 22mm (2562240)		22	400	1
DCP024	Diamond Core PRO Series 24mm (2562040)		24	400	1
DCP025	Diamond Core PRO Series 25mm (2562540)		25	400	1
DCP028	Diamond Core PRO Series 28mm (2562840)		28	400	1
DCP032	Diamond Core PRO Series 32mm (2563240)		32	400	1
DCP035	Diamond Core PRO Series 35mm (2563540)		35	400	1
DCP038	Diamond Core PRO Series 38mm (2563840)		38	400	1



B+BTEC Diamond Core HiSPEED PRO Series Segmented Bits

For wet use - 1-1/4" bsp



Part No.	Description		mm	mm	qty
DCP046	Diamond Core PRO Series 46mm (1904640)		46	400	1
DCP052	Diamond Core PRO Series 52mm (1905240)		52	400	1
DCP056	Diamond Core PRO Series 56mm (1905640)		56	400	1
DCP066	Diamond Core PRO Series 66mm (1906640)		66	400	1
DCP072	Diamond Core PRO Series 72mm (1907240)		72	400	1
DCP075	Diamond Core PRO Series 75mm (1907540)		75	400	1
DCP082	Diamond Core PRO Series 82mm (1908240)		82	400	1
DCP092	Diamond Core PRO Series 92mm (1909240)		92	400	1
DCP102	Diamond Core PRO Series 102mm (1910240)		102	400	1
DCP112	Diamond Core PRO Series 112mm (1911240)		112	400	1
DCP127	Diamond Core PRO Series 127mm (1912740)		127	400	1
DCP152	Diamond Core PRO Series 152mm (1915240)		152	400	1
DCP181	Diamond Core PRO Series 181mm (1918140)		181	400	1
DCP230	Diamond Core PRO Series 230mm (1923040)		230	400	1



DIAMOND






RAPTOR®
TRADE
SERIES



Diamond Core TRADE Series Bits

For wet use - 1-1/4" bsp

Part No.	Description			
		mm	mm	qty
DCTR016	Diamond Core Trade Series 16mm	16	450	1
DCTR018	Diamond Core Trade Series 18mm	18	450	1
DCTR022	Diamond Core Trade Series 22mm	22	450	1
DCTR025	Diamond Core Trade Series 25mm	25	450	1
DCTR028	Diamond Core Trade Series 28mm	28	450	1
DCTR032	Diamond Core Trade Series 32mm	32	450	1
DCTR035	Diamond Core Trade Series 35mm	35	450	1
DCTR038	Diamond Core Trade Series 38mm	38	450	1
DCTR046	Diamond Core Trade Series 46mm	46	450	1
DCTR052	Diamond Core Trade Series 52mm	52	450	1
DCTR056	Diamond Core Trade Series 56mm	56	450	1
DCTR066	Diamond Core Trade Series 66mm	66	450	1
DCTR072	Diamond Core Trade Series 72mm	72	450	1
DCTR075	Diamond Core Trade Series 75mm	75	450	1
DCTR082	Diamond Core Trade Series 82mm	82	450	1
DCTR092	Diamond Core Trade Series 92mm	92	450	1
DCTR102	Diamond Core Trade Series 102mm	102	450	1
DCTR112	Diamond Core Trade Series 112mm	112	450	1
DCTR127	Diamond Core Trade Series 127mm	127	450	1
DCTR152	Diamond Core Trade Series 152mm	152	450	1
DCTR230	Diamond Core Trade Series 230mm	230	450	1

Distributors!

***Ask your ICCONS® representative
how to get your Diamond stand.***





DIAMOND



Blade Selection Guide

RAPTOR

- = Excellent
- = Good
- Not suitable



For best performance in these materials	IT	ITT	ICR	ISG	IASG	IDEMOCC	IADEMO
Asphalt	--	--	--	--	●	--	●
Bluestone	●	--	--	●	--	●	--
Bricks - Concrete	●	--	--	●	--	●	--
Bricks - Hard Clay	●	--	--	●	--	●	--
Fibre Cement Sheet	●	●	●	●	●	●	●
Ceramic Tiles	●	●	●	--	--	--	--
Concrete Block / Besser	●	--	--	●	●	●	●
Concrete Reinforced	●	--	--	●	--	●	--
Concrete Green	--	--	--	--	●	--	●
Fibre Glass	●	●	●	●	--	●	--
Fire Brick	●	--	--	●	●	●	●
Granite	●	●	●	●	--	●	--
Hebel Block	●	--	--	●	●	●	●
Marble	●	●	●	●	--	--	--
Mortar joints	--	--	--	--	●	--	●
Porcelain	--	●	●	--	--	--	--
Roof Tiles Concrete	●	--	--	●	●	●	●
Roof Tiles Terracotta	●	--	--	●	●	●	●
Sandstone	--	--	--	--	●	--	●
Slate	●	--	--	●	●	●	●
Steel Pipe / Tube	●	--	--	--	--	●	--
Wall Chasing Clay Bricks	●	--	--	●	--	●	--
Wall Chasing Concrete	●	--	--	●	●	●	●
Wall Chasing Rendered	●	--	--	●	●	●	●

Concrete block blade suitable for concrete block / concrete roof tiles / hebel / sandstone / firebricks

Hard clay bricks suitable for hard bricks / clay pavers / terracotta roof tiles / bluestone / granite / slate



RAPTOR® Turbo Rim Blades

Multi Use - For Non-Abrasive Material

Suitable for: Cured Concrete / Reinforced, Clay Bricks, Terracotta Roof Tiles, Granite, Bluestone, Steel Pipe / Tube & Hebel Block.

- Raised boss for superior strength and grip behind Flanges.
- Permanent Directional arrow cut out.
- High concentration of quality diamonds.
- Additional Cooling Holes to aid cooling of blade.
- Aggressive contoured segment for fast removal of material.
- Long life in non-abrasive material.
- Bore resize bushes - Press fit.
- 10mm high segment on blades up to 7" / 178mm.
- 12mm high segment on 9" / 230mm blade.
- Wet / Dry use.

Part No.	Description					
		Inches	mm	mm	qty	qty
IT100	For non abrasive substrates	4	105	16 / 20 / 22.2	1	5
IT115	For non abrasive substrates	4.5	115	22.2	1	5
IT125	For non abrasive substrates	5	125	22.2	1	5
IT178	For non abrasive substrates	7	178	20 / 22.2	1	5
IT230	For non abrasive substrates	9	230	22.2 / 25.4	1	5

Not recommended for abrasive materials such as green concrete, asphalt, cement block etc. as extreme premature wear will occur. See selection chart on page 186 for detailed compatibility.



RAPTOR® Continuous Rim Blades

Porcelain / Ceramic Tiles

Suitable for: Porcelain, Ceramic Tiles, Marble, Granite, Vitrified Tiles, Glazed Tiles, Slate.

- Ultra-thin fast cut blade.
- Continuous rim - less chipping.
- Expansion slots for better cooling.
- 10mm segment height.
- High concentration of quality diamonds.
- Long life in non-abrasive material.
- Bore resize bushes - Press fit.
- Permanent Directional arrow cut out.
- Wet / Dry use.

Part No.	Description					
		Inches	mm	mm	qty	qty
ICR100	Suitable for Porcelain, ceramic & marble	4	105	16 / 20 / 22.2	1	5
ICR125	Suitable for Porcelain, ceramic & marble	5	125	22.2	1	5
ICR200	Suitable for Porcelain, ceramic & marble	8	200	22.2	1	5

Not recommended for abrasive materials such as green concrete, asphalt, cement block etc. as extreme premature wear will occur. See selection chart on page 186 for detailed compatibility.



RAPTOR Turbo Rim Thin Series Ceramic / Porcelain Tiles

Suitable for: Porcelain, Ceramic Tiles, Marble, Granite, Vitrified Tiles, Glazed Tiles, Slate.

- Ultra-thin Turbo fast cut blade.
- Raised boss for superior strength and grip behind - Flanges.
- 10mm segment height.
- High concentration of quality diamonds.
- Turbo design for superior cooling.
- Long life in non-abrasive material.
- Bore resize bushes - Press fit.
- Permanent Directional arrow cut out.
- Wet / Dry use

Part No.	Description					
		Inches	mm	mm	qty	qty
IT100	For non abrasive substrates	4	105	16 / 20 / 22.2	1	5
ITT100	Suitable for Porcelain, ceramic & marble	4	105	16 / 20 / 22.2	1	5
ITT125	Suitable for Porcelain, ceramic & marble	5	125	22.2	1	5

Not recommended for abrasive materials such as green concrete, asphalt, cement block etc. as extreme premature wear will occur. See selection chart on page 186 for detailed compatibility.








RAPTOR Segmented Blades WALL CHASING.

For Non-Abrasive Material

Suitable for: Cured Concrete / Reinforced, Clay Bricks, Terracotta Roof Tiles, Bluestone, Slate.

- 10mm segment height.
- High concentration of quality diamonds.
- Long life in non-abrasive material.
- Fast cutting.
- Bore resize bushes - Press fit.
- Permanent Directional arrow cut out.
- Wet / Dry use.

Part No.	Description					
		Inches	mm	mm	qty	qty
ISG125	For non abrasive substrates	5	125	22.2	1	5
ISG150	For non abrasive substrates	6	150	20 / 22.2	1	5
ISG230	For non abrasive substrates	9	230	22.2 / 25.4	1	5

Not recommended for abrasive materials such as green concrete, asphalt, cement block etc. as extreme premature wear will occur. See selection chart on page 186 for detailed compatibility.








RAPTOR[®] Segmented Blades WALL CHASING.

For Abrasive Material

Suitable for: Green Concrete, Compressed Sheet, Concrete Block, Wall Chasing (Abrasive), Concrete Roof Tiles, Mortar Joints, Sandstone, Light Weight Concrete, Hebel Block.

- 10mm segment height.
- High concentration of quality diamonds.
- Long life in abrasive material.
- Fast cutting.
- Bore resize bushes - Press fit.
- Permanent Directional arrow cut out.
- Wet / Dry use.

Part No.	Description					
		Inches	mm	mm	qty	qty
IASG100	For abrasive substrates	4	105	16 / 20 / 22.2	1	5
IASG125	For abrasive substrates	5	125	22.2	1	5
IASG150	For abrasive substrates	6	150	20 / 22.2	1	5
IASG178	For abrasive substrates	7	178	20 / 22.3	1	5
IASG230	For abrasive substrates	9	230	22.2 / 25.4	1	5



Not recommended for non-abrasive materials such as cured concrete, bluestone, clay bricks etc. blade will not remain sharp in these materials. See chart page 186 for detailed compatibility.

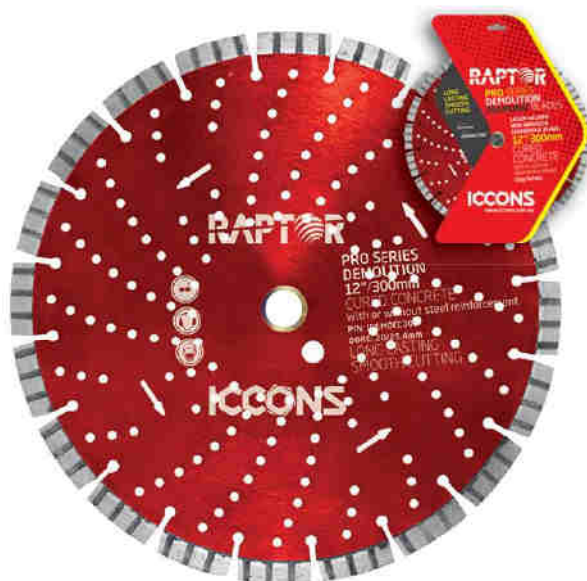


heller ONE FOR ALL The Absolute All-Rounder

- Cuts (almost) all building materials.
- For dry use.
- Very long lifetime.
- Outstanding cutting characteristics.
- Universal disc to quickly cut concrete, bricks reinforced concrete, natural stone, metal, steel sheets, timber, plastics, composite materials, etc.



Part No.	Description					
		Inches	mm	mm	qty	qty
HOFA125	One for all Diamond 125mm (28679 4)	5	125	22.2	1	1
HOFA230	One for all Diamond 230mm (28680 0)	9	230	22.2	1	1
HOFA-CD	One for all Diamond Counter Display 12PCE (28712 8) 6 x 125mm, 6 x 230mm				1	1








RAPTOR[®] Demolition Blades For Non-Abrasive Material

LASER WELDED.

Suitable for: Cured Concrete / Reinforced, Clay bricks.

- 12mm segment height.
- High concentration of quality diamonds.
- Long life in non-abrasive material.
- Fast cutting.
- Bore resize bushes - Press fit.
- Permanent directional arrow cut out.
- Laser welded segments.
- Wet / Dry use.

Part No.	Description					
		Inches	mm	mm	qty	qty
IDEMOCC300	Segmented Demolition Blade for non-abrasive substrates	12	300	20 / 25.4	1	10
IDEMOCC350	Segmented Demolition Blade for non-abrasive substrates	14	350	20 / 25.4	1	10
IDEMOCC405	Segmented Demolition Blade for non-abrasive substrates	16	405	20 / 25.4	1	5






Not recommended for abrasive materials such as green concrete, asphalt, cement block etc. as extreme premature wear will occur. See selection chart on page 186 for detailed compatibility.



RAPTOR[®] Demolition Blades For Abrasive Material

LASER WELDED.

- Suitable for: Green Concrete, Asphalt, Concrete Block, Mortar Joints, Sandstone.
- 12mm segment height.
- High concentration of quality diamonds.
- Long life in abrasive material.
- Fast cutting.
- Bore resize bushes - Press fit.
- Permanent directional arrow cut out.
- Dropped segment for undercut protection.
- Laser welded segments.
- Wet / Dry use.

Part No.	Description					
		Inches	mm	mm	qty	qty
IADEMO300	Segmented Demolition Blade for abrasive substrates	12	300	20 / 25.4	1	10
IADEMO350	Segmented Demolition Blade for abrasive substrates	14	350	20 / 25.4	1	10
IADEMO405	Segmented Demolition Blade for abrasive substrates	16	405	20 / 25.4	1	5

Not recommended for non-abrasive materials such as cured concrete, bluestone, clay bricks etc. blade will not remain sharp in these materials. See chart on page 186 for detailed compatibility.



RAPTOR[®] Noise Reduced 'Silent' Blade For Hard Clay & Pavers

The noised reduced blades are designed to cut fast, smooth and minimise noise disturbance to the operator and surrounding area.

- Suitable for: Hard Clay Bricks & Pavers.
- 12mm segment height.
- High concentration of quality diamonds.
- Long life in non-abrasive material.
- Fast cutting.
- Bore resize bushes - Press fit.
- Wet / Dry use.

Part No.	Description					
		Inches	mm	mm	qty	qty
ISHC350	Silent Blade for Hard Clay & Pavers	14	350	20 / 25.4	1	10

Not recommended for abrasive materials such as green concrete, asphalt, cement block etc. as extreme premature wear will occur. See selection chart on page 186 for detailed compatibility.



RAPTOR[®] Noise Reduced 'Silent' Blade For Concrete Blocks

The noised reduced blades are designed to cut fast, smooth and minimise noise disturbance to the operator and surrounding area.

- Suitable for: Concrete Block.
- 12mm segment height.
- High concentration of quality diamonds.
- Long life in abrasive material.
- Fast cutting.
- Bore resize bushes - Press fit.
- Wet / Dry use.

Part No.	Description					
		Inches	mm	mm	qty	qty
ISB350	Silent Blade for Concrete Blocks	14	350	20 / 25.4	1	10

Not recommended for non-abrasive materials such as cured concrete, bluestone, clay bricks etc. blade will not remain sharp in these materials. See chart on page 186 for detailed compatibility.



RAPTOR[®] Single Row Grinding Cups

For Non-Abrasive Material

Suitable applications: Cured Concrete / Reinforced, Clay Bricks, General Masonry

- Products.
- Single row.
- Designed for flat grinding.
- Ideal for removal of concrete imperfections.
- Long life in non-abrasive material.
- Dry grinding.



Part No.	Description	Inches	mm	mm	qty	qty
IGSR100	Grinding Cup For Concrete	4	100	16 / 22.2	1	25
IGSR115	Grinding Cup For Concrete	4.5	115	22.2	1	25
IGSR125	Grinding Cup For Concrete	5	125	22.2	1	25
IGSR178	Grinding Cup For Concrete	7	178	22.2	1	10

Not recommended for abrasive materials such as green concrete, asphalt, cement block etc. as extreme premature wear will occur



RAPTOR[®] Double Row Grinding Cups

For Non-Abrasive Material

Suitable applications: Ideal for removal of concrete imperfections, trimming of concrete after removal of formwork, Cured Concrete / Reinforced, Clay Bricks, General Masonry Products.

- Double row.
- Long life in non-abrasive material.
- Smooth finish.
- Designed for flat grinding.
- Dry grinding.



Part No.	Description	Inches	mm	mm	qty	qty
IGDR100	Grinding Cup For Concrete	4	100	16 / 22.2	1	25
IGDR115	Grinding Cup For Concrete	4.5	115	22.2	1	25
IGDR125	Grinding Cup For Concrete	5	125	22.2	1	25
IGDR178	Grinding Cup For Concrete	7	178	22.2	1	10

Not recommended for abrasive materials such as green concrete, asphalt, cement block etc. as extreme premature wear will occur.



RAPTOR® Radial Grinding Cups

For Non-Abrasive Material

Suitable applications: Removal of paint and / or glue from concrete surface, ideal for removal of concrete imperfections, Cured Concrete / Reinforced, Clay Bricks, General Masonry Products.

- Fast stripping of paint / glue from concrete.
- No clogging.
- Long life in non-abrasive material.
- Dry grinding.



Part No.	Description	Inches	mm	mm	qty	qty
IGR100	Grinding Cup For Concrete	4	100	16 / 22.2	1	25
IGR115	Grinding Cup For Concrete	4.5	115	22.2	1	25
IGR125	Grinding Cup For Concrete	5	125	22.2	1	25
IGR178	Grinding Cup For Concrete	7	178	22.2	1	10

Not recommended for abrasive materials such as green concrete, asphalt, cement block etc. as extreme premature wear will occur.



RAPTOR® Turbo Style Grinding Cups

For Non-Abrasive Material

Suitable applications: Perfect for shaping concrete / stone, ideal for removal of concrete imperfections, Cured Concrete / Reinforced, Pavers, Clay Bricks, General Masonry Products.

- Turbo style segment.
- Double layer for better cooling.
- Long life in non-abrasive material.
- Dry grinding.



Part No.	Description	Inches	mm	mm	qty	qty
IGT100	Grinding / Shaping Cup For Pavers, Concrete etc	4	100	16 / 22.2	1	25
IGT115	Grinding / Shaping Cup For Pavers, Concrete etc	4.5	115	22.2	1	25
IGT125	Grinding / Shaping Cup For Pavers, Concrete etc	5	125	22.2	1	25
IGT178	Grinding / Shaping Cup For Pavers, Concrete etc	7	178	22.2	1	10

Not recommended for abrasive materials such as green concrete, asphalt, cement block etc. as extreme premature wear will occur.

THIN CUTTING DISCS

**max
abrase**

- MaxAbrase cutting discs are high quality, stainless steel grade discs
- OSA certified and manufactured to quality standard EN12413, ensuring consistent premium quality
- Well balanced discs that are neither too hard or too soft to deliver the ultimate cutting performance
- MaxAbrase cutting discs save you time and money by giving you more cuts for your dollar!
- Available in both thin (1.0mm) and general (1.6mm) cutting thicknesses
- Cutting discs available in: 100mm, 115mm and 125mm diameters

GOLD SERIES

All-purpose premium cutting discs.

Lower heat generation

Less sparking

Lower machine load extends tool life



Lower material loss

Faster cutting

Narrow cutting joints

SILVER SERIES

General purpose cutting discs.



Long life

Ideal for trade use

Well balanced

CUTTING AND GRINDING DISCS



CUTTING DISC TRADE PACKS

**X10 DISC
TRADE PACK**

MaxAbrase silver series cutting discs packed into slim 10 pack tins for your convenience

Available in:

Sizes 100mm, 115mm and 125mm



GRINDING DISCS

High quality, stainless steel grade grinding discs

MPA tested in Hannover Germany

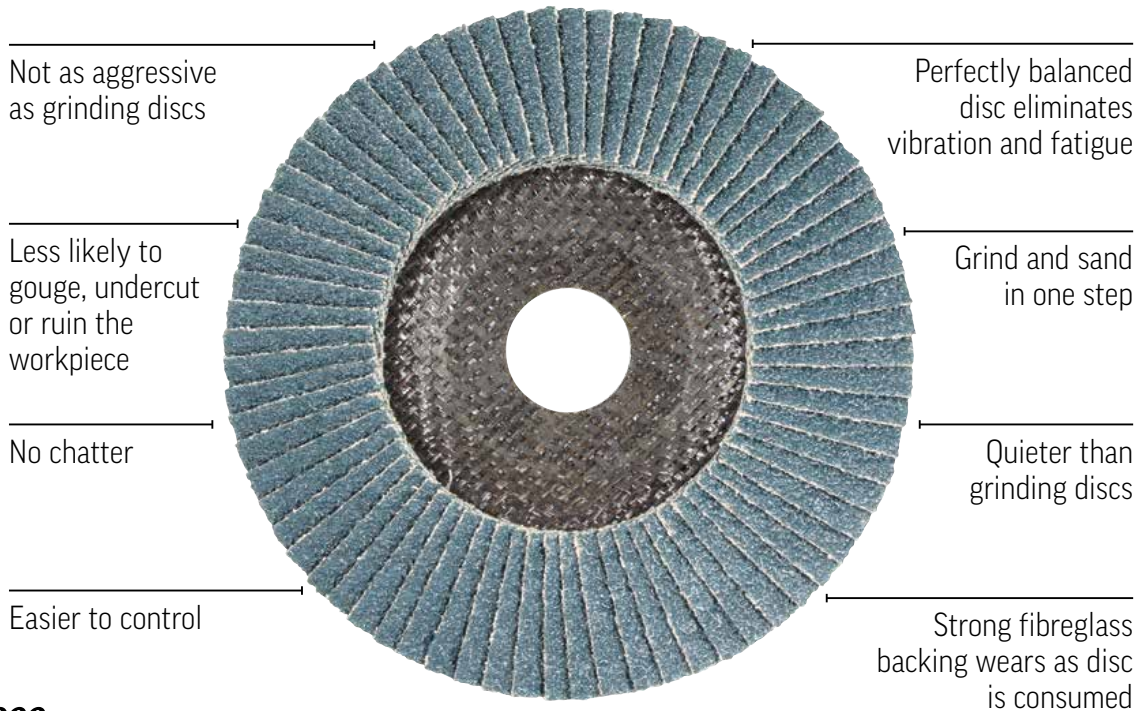
Manufactured to EN12413 Standards

Depressed centre, suitable for all general purpose grinding

Well balanced and long lasting



FLAP DISCS AND R TYPE FLAP DISCS



**max
abrase.**

Quality Zirconia abrasive material - ultimate performer on mild and stainless steel grinding and finishing applications.

- Suitable for trade and industrial usage
- MaxAbrase flap discs are well balanced for smooth, vibration free running
- Up to 15% more abrasive than other brands
- Type 29 (15°) style with a built-in grinding angle for aggressive stock removal
- Flap discs available in 100, 115, 125 and 178mm dia in 40, 60, 80 and 120 grit
- R type flap discs available in 50 and 75mm dia in 40 and 60 grit

MaxAbrase flap discs are available in two series to match your application:

- **Gold Series:** Premium 100% Zirconia abrasive with a heavy duty synthetic reinforced backing cloth for exceptional performance in all trade and industrial applications
- **Silver Series:** Genuine Zirconia abrasive for outstanding performance on mild and stainless steel in all industries



Visit sheffield.com.au to view the full abrasive range

FLAP BANDS AND FLAP WHEELS

FLAP BANDS

**max
abrase**

- Reduce labour costs - remove material faster
- Acts more aggressively than a flap wheel
- Less pressure required – easier to control
- Greater durability than spiral bands

Individual flaps
wear back evenly

Flaps affixed to a
firm fiber core

Used with custom
rubber expanding drums



No seams or splices to rip
or tear on sharp edges

Drums expand and grip the
band as machine reaches speed

Low vibration helps avoiding
white fingers syndrome.

FLAP WHEELS

**max
abrase**

- Quality flap wheels manufactured with premium grade aluminium oxide grain with an X weight cotton backing, giving superior durability and flexibility

Suitable for trade
and industrial usage

Use for blending and
finishing applications

Ideal for hard to reach
areas where a large wheel
or disc will not fit

Flush finish core for
easy access inside
corners

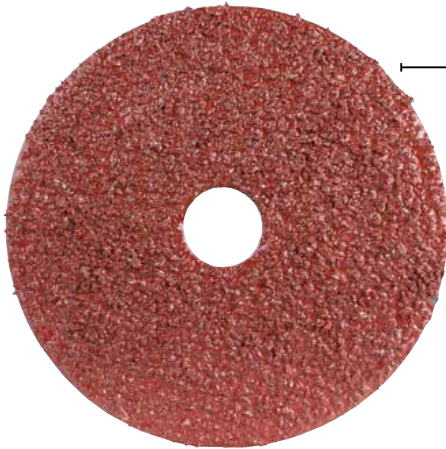
Wide range of sizes and grits available

Threaded flap wheels have an M14 internal
thread to suit most angle grinders



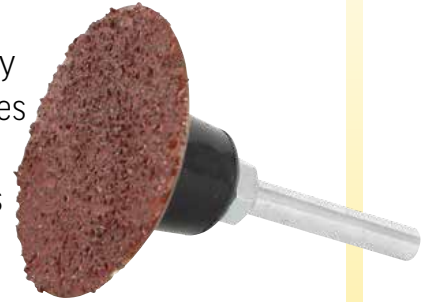
Shank mounted flap wheels
have a 1/4" (6.35mm) shank
to suit die grinders etc

RESIN FIBRE DISCS



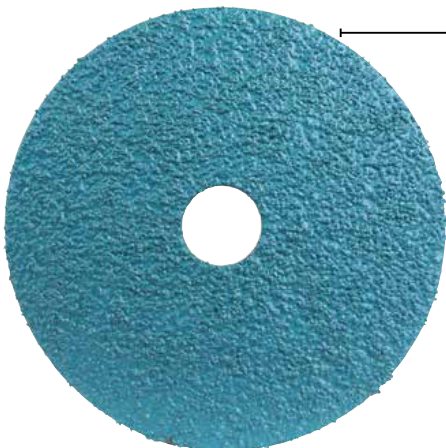
ALUMINIUM OXIDE

- All purpose discs
- Good performance and overall economy
- No halogen producing grinding additives
- Cost effective stock removal
- Excels in a wide variety of applications
- Standard round arbor hole
- Also available in R type



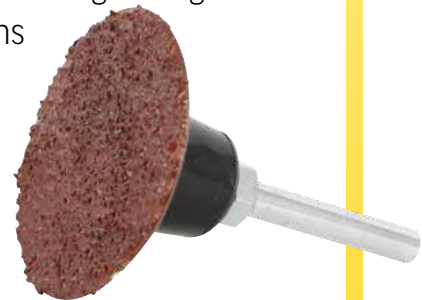
SOFT METAL

- Fast cutting of soft metals
- Suitable for bronze, brass and aluminium etc
- Special additives to lubricate while cutting to delay disc loading
- Cooler running extends disc life
- Standard round arbor hole



ZIRCONIA

- Premium Zirconia grit for ultimate grinding performance
- Advanced bonding formulation provides cool grinding action
- Suitable for high production applications in all industries
- Cooler running extends disc life
- Suitable for stainless steel
- Standard round arbor hole
- Also available in R type



CERAMIC

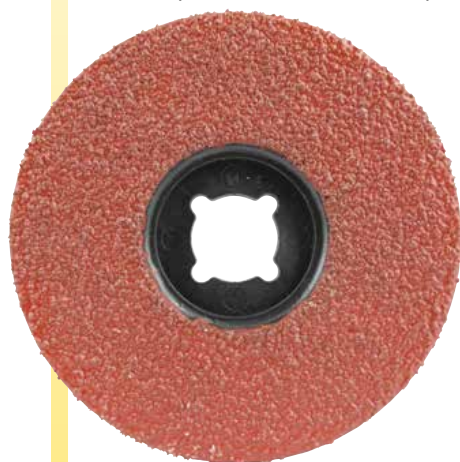
- Suitable for aggressive grinding and maximum stock removal
- Suitable for stainless steel and other hard materials
- Special additives for reduced heat build up
- Advanced technology grinding for maximum performance
- Standard round arbor hole

TRIM-FLEX & R TYPE GRINDING DISCS

TRIM-FLEX GRINDING DISCS

*max
abrase*

- Unique disc - grind and sand with one disc
- No backing pad - one piece design
- Premium abrasive grains fused directly to durable and flexible polymer backing
- Trimable to renew cutting surface or reduce disc diameter
- No special lock nut required



R TYPE GRINDING DISCS

*max
abrase*

- R type backing plate with grain fused directly to polymer backing
- One piece design prevents risk of detaching
- 40% better performance and overall economy than mini resin fibre discs
- Use wet and dry



ALUMINIUM OXIDE

- Cost effective stock removal
- Excels in a wide variety of applications



ZIRCONIA

- Premium Zirconia grit for ultimate grinding performance
- Advanced bonding formulation provides cool grinding action
Cooler running extends disc life
- Suitable for high production applications in all industries



CERAMIC

- Suitable for aggressive grinding and maximum stock removal
- Suitable for hard materials
- Reduced heat build up

R TYPE SURFACE PREPARATION DISCS

**max
abrase**

- R type plastic roll on backing plate
- 4 grit types
- Made from high quality non-woven fibre permeated with mineral grain
- No edge fraying or grain shredding for a consistent finish
- Flexible for use on flat and contoured surfaces
- Can be used with water, oil or cleaners
- Sonic welding of backing to fuse backing and material



CLEAN 'N' STRIP DISCS

**max
abrase**

- Made from non-woven fibre permeated with mineral grain
- No edge fraying or grain shredding for a consistent finish
- For aggressive cleaning, or removing rust, paint, epoxy or weld spatter



SANDING BLOCKS AND PADS



NON WOVEN PADS

- Maroon - with aluminium oxide grit for precision surface conditioning
- Grey - with silicon carbide grit for fine finish work



FLAT SANDING PADS

- Use for automotive, paintwork, metal and wood
- Unique foam formula
- Moulds easily to surface contours
- Outperforms sandpaper
- Crease resistant, non-cracking
- Use wet or dry



FLEXI-FOAM SANDING BLOCKS

- Flexible and easy to hold
- Outperforms sandpaper
- Rinse and reuse
- Available in small square blocks and large angled blocks
- Dual grits for a wider range of applications and faster work

HYBRID DISCS

**max
abrase.**

- Combines high quality surface conditioning flaps with coated abrasive
- Remove and finish light weld seams in a single step
- Deburring of flashings after plasma and laser cutting
- Decorative finishing of builders hardware
- Removing small surface imperfections



SCM FINISHING FLAP DISCS

**max
abrase.**

- For general surface preparation
- Highest quality surface conditioning material
- Layered flaps, up to 7 times life of traditional versions



UNITIZED FINISHING DISCS

**max
abrase.**

- Highly concentrated abrasive in a firm, non-woven base material
- Blending of surface defects
- Ideal for preparing stainless steel surfaces for polishing



FELT FINISHING FLAP DISCS

**max
abrase.**

- 70% wool felt polishing flap disc
- Flexible, with cool air flow
- Use with polishing compound to produce a mirror finish
- Ideal for irregular or uneven surfaces



EXTREME

WOOD WITH NAILS

EXTREME Timber Blades have been engineered for extreme performance, giving up to 6X the life of a standard saw blade

Non-stick PROSHIELD
less heat, sticking & corrosion
6x LIFE
than standard saws
Engineered for Extreme Performance

Premium European hi-density carbide

- Extreme durability and cutting life

Heavy duty laser cut plate

- Finest quality steel - tough & resilient

Laser cut vents

- Superior noise and vibration absorption

Impact resistant brazing

- High performance tooth bonding

Thin kerf design

- Fast, effortless cutting - increased battery life on cordless saws

Non-stick blade coating

- Less gumming and pitch build-up - corrosion resistant for long blade life

Anti-friction layer

- Prevents friction for smoother cutting

Anti-kickback design

- Reinforced shoulder for safety and durability

Nail cutting

- Handles wood with nails and knots



RAIDER X

TIMBER BLADE

RAIDER X Timber Blades have been engineered for maximum performance, giving up to 3X the life of a standard saw blade

Anti-Friction COATING
3x LIFE
than standard saws
Engineered for Maximum Performance



Heavy duty plate

- Finest quality steel - tough and resilient

Impact resistant brazing

- High performance tooth bonding

Thin kerf design

- Fast effortless cutting with increased battery life on cordless saws

Anti-friction layer

- Prevents friction for smoother cutting

Precision tooth grind

- Superior tracking and cut quality

Anti-kickback design

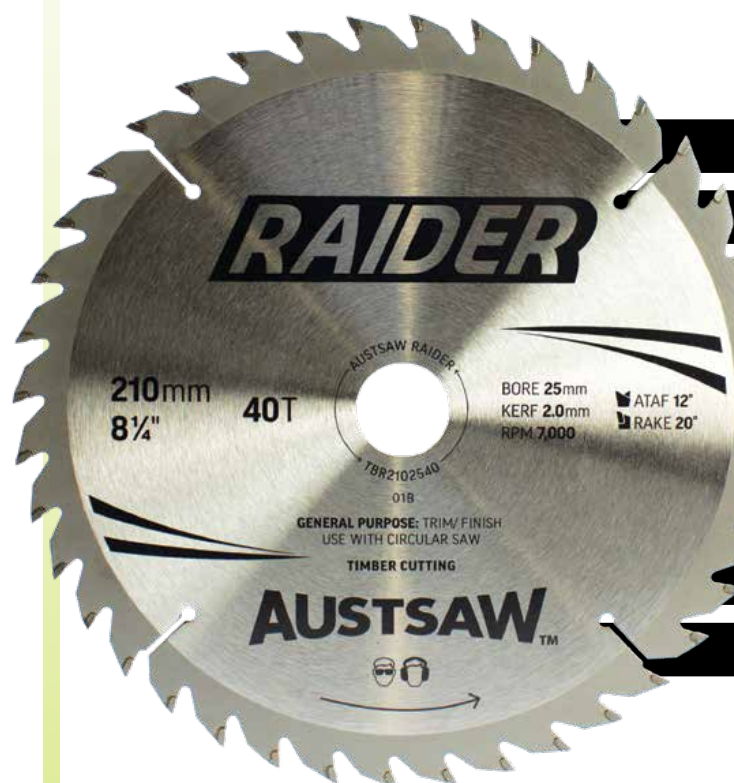
- Reinforced shoulder for safety and durability

RAIDER TIMBER BLADES



RAIDER TIMBER BLADES

RAIDER



Clean Cut

Clean, high quality cut finish

Impact Resistant Brazing

High performance tooth bonding

Hardened Plate

Hardened & tempered body for smooth, straight cuts

Thin Kerf Design

Fast, effortless cutting, increased battery life on cordless saws

Heavy Duty Plate

Finest quality steel - tough & resilient

Precision Tooth Grind

Superior tracking & cut quality

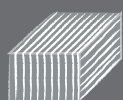
Anti-Kickback Design

Reinforced shoulder for safety & durability

Blade Coating

Anti-rust coating for extended life

RAIDER® blades have been engineered for ultimate performance, in all timber cutting applications.



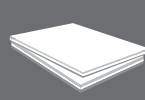
Wood



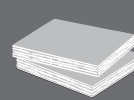
Hardwood



Softwood



Plywood



MDF



Chipboard



Formwork

Austsaw spent six months trialling and testing all recognised brands of TCT 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. This was comprised of cutting hundreds of meters of abrasive turpentine hardwood and cutting through over 400x 3.0mm diameter nails.

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



ROTARY HACKSAW

The next generation multi-purpose saw blade

Designed to cut:

Steel
Aluminium
Colorbond
Fibreglass
Plastic
Wood
Weather Board

Recommended
to use with:



SAFETY GUARD FOR ANGLE GRINDERS

see page 67



Made with a hardened tempered body for fast, clean and smooth cuts. Titanium carbide teeth provide longer life when metal cutting, and a high-raised shoulder provides maximum strength behind each tip.

Lubricant is required when cutting aluminium.

For use with circular saws, electric mitre saws and portable saws.

- Can be resharpened (300mm - 350mm)

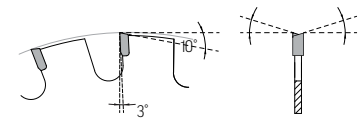


Diagram 1

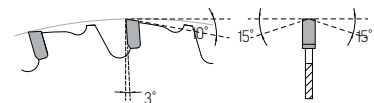


Diagram 2

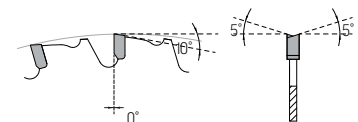


Diagram 3

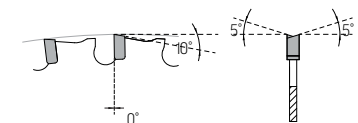


Diagram 4

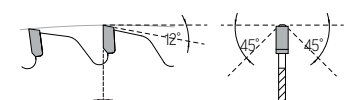
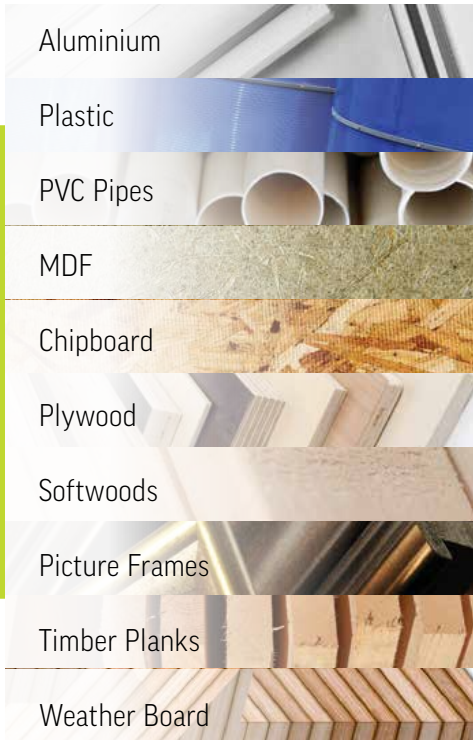


Diagram 5



TRIPLE CHIP ALUMINIUM CUTTING BLADE

Designed to cut:



Tough and safe – the over-sized triple chip tooth design eliminates blade damage in abrasive applications for smoother and faster cutting with less friction.

- Triple chip technology
- Quiet and accurate cuts
- Smooth and fast cutting with less friction

Made from hardened tempered steel body. The “controlled-triple chip” design makes it virtually impossible to over feed or grab, by limiting the amount of material cut by each tooth. The perfect choice for working with thicker solid stock on radial arm, mitre and table saws; also excellent for plastic and woodcutting.

Always clamp and lubricate your work when cutting metals to reduce vibration for smoother, more accurate cuts. And lubrication helps the blade run cooler and cleaner with less friction, for a longer life.

For use with circular saws, electric mitre saws and radial arm saws

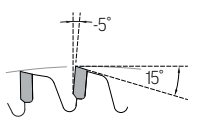


Diagram 1: ø 160 – 235 mm

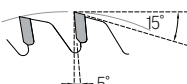
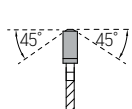


Diagram 2: ø 250 – 350 mm

Lubricant **MUST** be used when cutting aluminium. **Aly-Lube** is ideal when cutting non ferrous metals



PCD BLADE

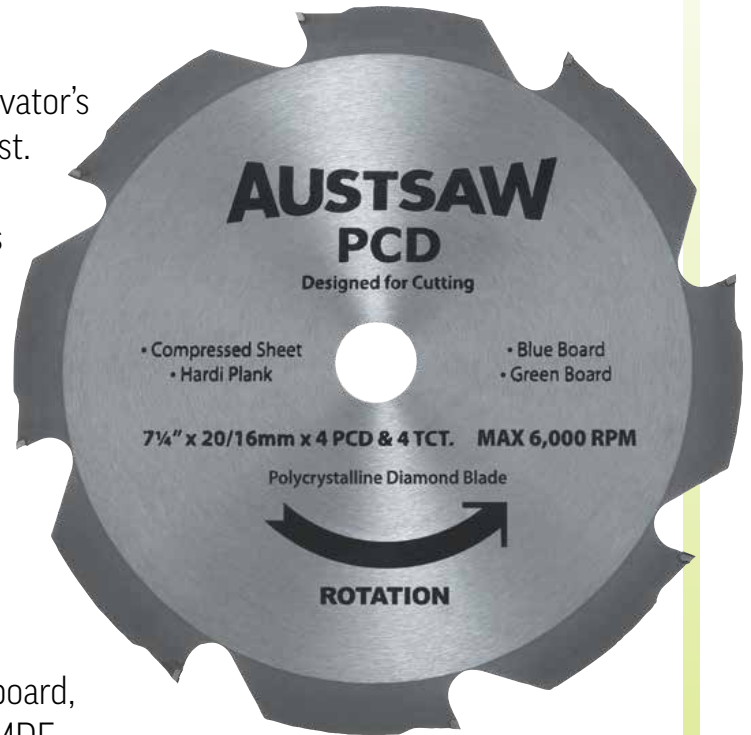
Polycrystalline diamond blade: fibre cement ripping and cross-cutting.

A must have for all builders, cabinetmakers and renovator's being cleaner, easier and faster jobs with minimal dust.

The superior hand-made polycrystalline diamond tips can run up to 50-100 times longer than carbide blades. The body of the blade is hardened tempered steel.

- Cuts with minimal dust
- Super fast and clean cut
- Low heat retention
- Hand-made polycrystalline diamond tips

Designed to cut: Blue / green board, cement sheet / board, compressed sheet, plasterboard, plastic, hardboard, MDF, chipboard and plywood.



PANEL CUTTER

For coolroom panelling, also known as sandwich panel, cold room panel, freezer panel and thermal panel. Produces a smooth clean cut with all types of EPS panels. The double bevelled edges fold the edge as you cut to improve panel joints. For use with portable saws.

- Can be resharpened
- Quick clean cut
- No dust
- Double bevelled edge

Designed to cut:

- Coolroom panel
- Sandwich panel
- Cold Room panel
- Freezer panel
- Thermal panel



THIN DIAMOND BLADES



ULTRA THIN **DIAMOND** BLADES

WET AND DRY CUTTING

Designed to cut:

Ceramic

Pipes

Floor and Wall Tiles

Porcelain

Terracotta

Granite

Limestone

Marble

Slate/Bluestone - Soft

Sandstone

Produces a smooth clean wet or dry cut thanks to the combination of a higher diamond count and the ultra thin 1.2mm technology.




HIGHEST
DIAMOND
COUNT

Made from hardened tempered steel with an extremely high diamond count. For use with angle grinders and tile saws

SUPER TURBO **DIAMOND** BLADES

WET AND DRY CUTTING

Wide range of bushes available

This wave design diamond cutting blade with its added strength to the body of the blade helps move dust build up from the job to create a smooth clean cut.

Made from hardened tempered steel with an extremely high diamond count.

For use with angle grinders, circular saws and portable saws.



HIGHEST
DIAMOND
COUNT



Diamond Cup Wheels

High duty and high performance for fast levelling and removal of concrete, paint, glues and epoxy. Perfect for the home and building renovator.



Diamond Continuous Rim

Perfect for the serious handyman – produces a quality finish in a range of materials for a budget price.



Diamond Super Turbo - Quality super turbo blade

Perfect for the home and building renovator, this wave design diamond cutting blade with added strength to the body of the blade helps move dust build up from the job to create a smooth clean cut.



Segmented Blade

General purpose diamond blade.

This diamond blade produces a smooth clean wet or dry cut at a price to suit the serious handyman and renovator.

DEMO RAPTOR

WET AND DRY CUTTING

Designed to cut:

Bricks

Concrete

Pipes

Steel

PVC Pipes

Wood

Aluminium

Colorbond



Extra long life and fast clean cut makes the Demo Raptor blade the essential blade for hand-held tools.

Vacuum bonded diamond particles are fused directly to the steel core creating the strongest most durable heat resistant bond available when cutting without water cooling.

For use with portable saws, angle grinders, chop saws and demolition saws.

- Fast clean cut
- Perfect for emergency service departments



HIGHEST
DIAMOND
COUNT



SPARK BUSTER

Safety guard for angle grinders

The Spark Buster is a hybrid guard attachment for angle grinders which turns a potentially dangerous tool into a safe and versatile cutting system. Combined with Austsaw's Rotary Hacksaw blade, diverse tradie demands are met. Multi-purpose blade can be attached to an angle grinder for cutting timber, steel, aluminium, fibreglass, plastic and more.

Versatile

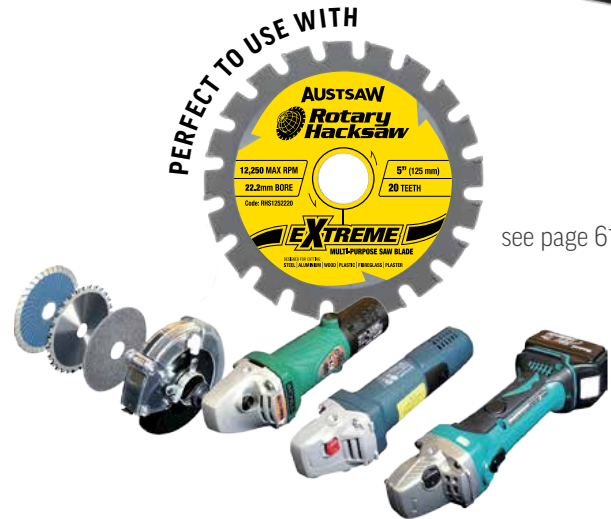
Can be fitted with a variety of grinders, and most 100 - 125mm blades, to be used in metal, wood and concrete.

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.



Weight: 900g

Cutting depth: Max - 26.5mm
(when using 125mm blade)

Suitable blade type: 100 - 125mm tipped saws,
abrasive cutting wheels and diamond blades.

Tested on the following grinders:

Bosch

GWS6-115
GSW7-115(E)

Milwaukee

CAG125XP

Makita

9554NB
9558NB
GA4530
GA5020
9565CV
DGA505

Hitachi

G12SS
G12SR3
G13SR3
G13SB3