

# RIDGEBACK

## Diamond Blades

- Tile Cutting
- Turbo Blades
- Segmented Blades
- Wall Chasing
- Compressed Sheet Blades
- Demolition Saw Blades

## Grinding Cups

- Concrete Grinding
- Paint & Glue Removal
- Shaping



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### Product Abbreviations

#### **PTR**

- Turbo Rim

#### **PTT**

- Thin Turbo

#### **PCR**

- Continuous Rim

#### **PSEG**

- Segmented Blade

#### **PASEG**

- Abrasive Segmented Blade

#### **PCCDEMO**

- Cured Concrete Demolition Blade

#### **PADEMO**

- Abrasive Demolition Blade

#### **PGCT**

- Turbo Grinding Cup

#### **PGCSR**

- Single Row Cup

#### **PGCDR**

- Double Row Cup

#### **PGCR**

- Radial Cup

Powers Fasteners, Australia's most innovative drilling and anchoring company, is adding the RIDGEBACK Diamond range of products to their already impressive range of accessories. A range of professional quality Turbo blades, Continuous rim blades, Segmented blades, Laser welded demolition saw blades, as well as a full range of Diamond grinding cups.

MATERIAL TO BE CUT	PTR	PTT	PCR	PSEG	PASEG	PCCDEMO	PADEMO
ASPHALT	×	×	×	×	●●	×	●●
BLUESTONE	●●	●	●	●●	×	●●	×
BRICKS CONCRETE	●	×	×	●	●	●	●
BRICKS HARD CLAY	●●	×	×	●●	×	●●	×
CEMENT FIBRE SHEET	●	×	●	●	●●	●	●●
CERAMIC TILES	●	●●	●●	●	×	×	×
CONCRETE BLOCK / BESSER	●	×	×	●	●●	●	●●
CONCRETE REINFORCED	●●	×	×	●●	●	●●	●
CONCRETE GREEN	×	×	×	×	●●	×	●●
FIBERGLASS	●	●●	●●	●	×	●	×
FIRE BRICK	●	×	×	●	●●	●	●●
GRANITE	●●	●	●	●●	×	●	×
HEBEL BLOCK	●●	●	×	●●	●	●●	●●
MARBLE	●	●●	●●	×	×	×	×
MORTAR JOINTS	×	×	×	×	●●	×	●●
MORTAR JOINTS / CLAY BRICKS	●	×	×	●	●	●	●
PORCELAIN	●	●●	●●	●	×	×	×
ROOF TILES CONCRETE	●	×	×	●	●●	●	●●
ROOF TILES TERRACOTTA	●●	●	●	●●	●	●●	●
SANDSTONE	×	×	×	×	●●	×	●●
SLATE	●●	×	×	●●	●	●●	●
STEEL PIPE / TUBE	●●	×	×	×	×	×	×
WALL CHASING CLAY BRICKS	●●	×	×	●●	×	●●	×
WALL CHASING CONCRETE	●●	×	×	●●	×	●●	×
WALL CHASING RENDERED	●	×	×	●	●●	●	●●

MATERIAL TO BE GROUND	PGCT	PGCSR	PGCDR	PGCR
CURED CONCRETE	●●	●●	●●	●●
CLAY BRICK	●●	●●	●●	●
GENERAL MASONRY PRODUCTS	●	●	●	●
GLUE	—	—	—	●●
PAINT	—	—	—	●●
GREEN CONCRETE	—	—	—	—

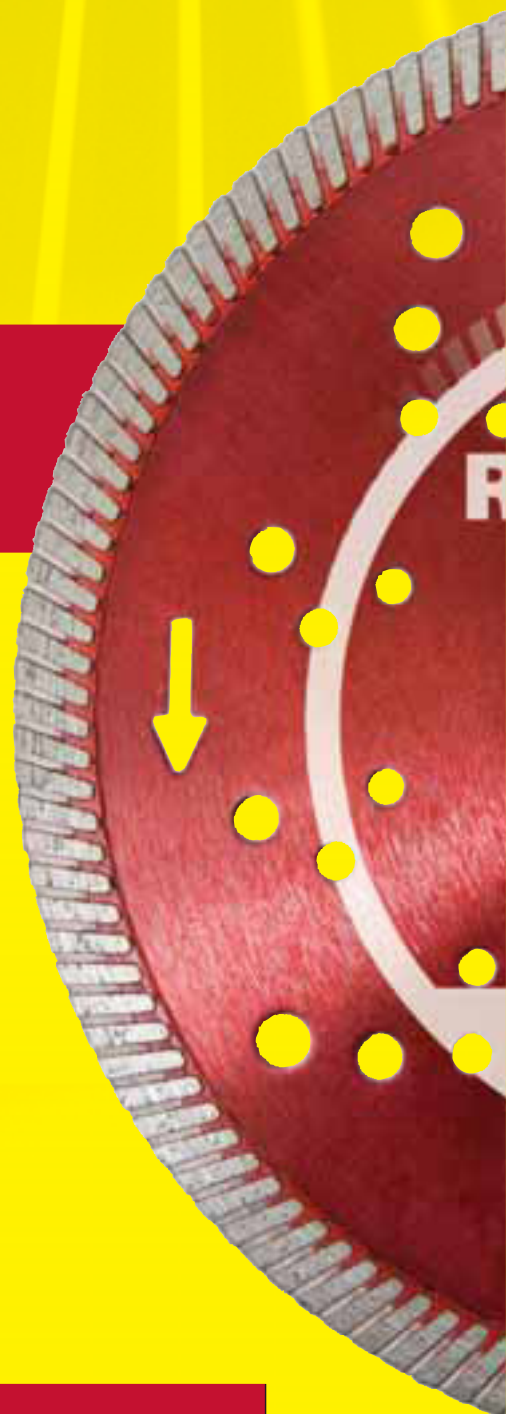
●● Excellent  
 ● Good  
 × Not suitable  
 (will wear quickly  
 in this material)







# TURBO RIM

**PTR**  
**MULTI-USE**

- > Cured Concrete / Reinforced
- > Clay Bricks
- > Granite
- > Terracotta Roof Tiles
- > Steel Pipe / Tube
- > Bluestone
- > Hebel Block



## TURBO RIM BLADES

Part No.	Description				
		Inches	mm	Bore size	qty
PTR100	Turbo Rim	4	105	16 / 20 / 22.2	5
PTR115	Turbo Rim	4.5	115	22.2	5
PTR125	Turbo Rim	5	125	22.2	5
PTR230	Turbo Rim	9	230	22.2 / 25.4	5

NOT RECOMMENDED FOR ABRASIVE MATERIAL i.e: Green Concrete / Asphalt / Cement Block / Sandstone





### Special Features

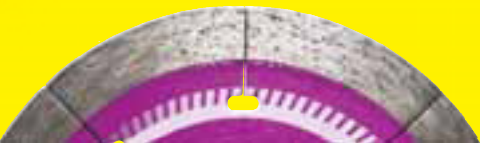
- Raised Centre Arbour for superior strength behind Flanges Positive Grip
- Directional arrows cut out of blank - no mistaken direction after use
- High concentration of quality diamonds
- More Cooling Holes added to a heavy duty blank to aid cooling of blade
- Deep segment depth for fast, more aggressive cut
- Press fit bushes to core
- 12mm high segment on 9"/230mm blade
- 10mm high segment on 4 1/2"/115mm blade
- Wet/Dry use







# CERAMIC TILES

## PORCELAIN CERAMIC TILES

- > Porcelain
- > Ceramic Tiles
- > Vitrified Tiles
- > Glazed Tiles
- > Granite
- > Marble
- > Slate



### CERAMIC TILES PORCELAIN

					
Part No.	Description	Inches	mm	Bore size	qty
PCR100	Continuous Rim	4	105	16 / 20 / 22.2	5



### CERAMIC TILES PORCELAIN THIN TURBO

					
Part No.	Description	Inches	mm	Bore size	qty
PTT100	Thin Turbo Rim	4	105	16 / 20 / 22.2	5

NOT RECOMMENDED FOR DEEP CUTTING OR ABRASIVE MATERIAL i.e: Sandstone / Asphalt / Mortar Joints / Green Concrete





### Special Features

- Ultra thin fast cutting, less chipping
- Stress relief slots for better cooling
- 10mm segment height
- Press fit bushes to core
- Directional arrow
- Wet/Dry use



### Special Features





- Ultra thin fast cutting, less chipping
- Raised centre superior strength and grip behind flanges
- 10mm segment height
- Turbo action, better cooling
- Directional arrow
- Wet/Dry use



## SEGMENTED BLADES WALL CHASING

### NON ABRASIVE & ABRASIVE

#### NON ABRASIVE SEGMENTED BLADES WALL CHASING





Part No.	Description				
		Inches	mm	Bore size	qty
PSEG125	Segmented Blade	5	125	22.2	5
PSEG150	Segmented Blade	6	150	20 / 22.2	5
PSEG230	Segmented Blade	9	230	22.2 / 25.4	5

- > Wall Chasing
- > Clay Bricks
- > Bluestone
- > Lightweight Concrete

- > Cured Concrete / Reinforced
- > Terracotta Roof Tiles
- > Slate
- > Hebel Block

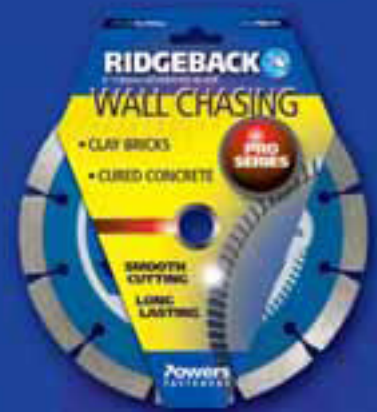


#### ABRASIVE SEGMENTED BLADES WALL CHASING

Part No.	Description				
		Inches	mm	Bore size	qty
PASEG100	Abrasive Blade	4	105	16 / 20 / 22.2	5
PASEG125	Abrasive Blade	5	125	22.2	5
PASEG150	Abrasive Blade	6	150	20 / 22.2	5
PASEG230	Abrasive Blade	9	230	22.2 / 25.4	5

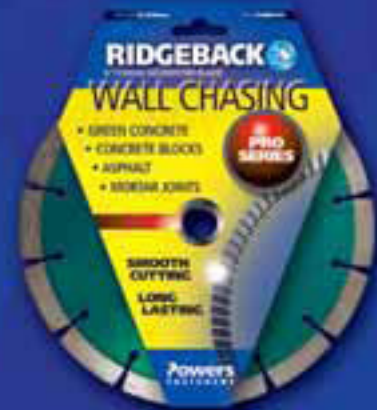
- > Green Concrete
- > Concrete Block
- > Sandstone
- > Mortar Joints
- > Light Weight Concrete

- > Compressed Sheet
- > Concrete Roof Tiles
- > Wall Chasing (Abrasive)
- > Hebel Block



### Special Features

- 10mm segment height
- High concentration of diamond
- Long life
- Fast cutting
- Pressed fit bush to core
- Cut out directional arrow
- Wet/Dry use



### Special Features

- 10mm segment height
- High concentration of diamond
- Long life in abrasive material
- Fast cutting
- Pressed fit bush to core
- Cut out directional arrow
- Wet/Dry use

# COMPRESSED SHEET BLADE

ABRASIVE



Compressed Sheet



## ABRASIVE SEGMENTED BLADES COMPRESSED SHEET

					
Part No.	Description	Inches	mm	Bore size	qty
PASEG178	Abrasive Blade	7	178	20 / 22.2	5

NOT RECOMMENDED FOR CURED CONCRETE / CLAY BRICKS





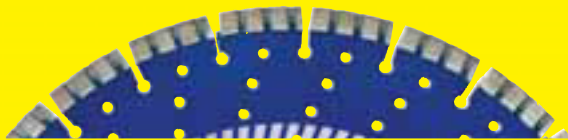
### Special Features





- 10mm segment height
- High concentration of diamond
- Long life in abrasive material
- Fast cutting
- Pressed fit bush to core
- Cut out directional arrow
- Wet/Dry use

# SEGMENTED BLADES

## DEMOLITION

### NON ABRASIVE







NON ABRASIVE SEGMENTED BLADES DEMOLITION					
					
Part No.	Description	Inches	mm	Bore size	qty
PCCDEMO300	Laser Welded	12	300	20 /25.4	10
PCCDEMO350	Laser Welded	14	350	20 /25.4	10
PCCDEMO405	Laser Welded	16	405	20 /25.4	5

EXCESSIVE WEAR WILL OCCUR IN GREEN CONCRETE/ASPHALT

- > Cured Concrete / Reinforced
- > Clay Bricks
- > Hebel Block



ABRASIVE SEGMENTED BLADES DEMOLITION					
					
Part No.	Description	Inches	mm	Bore size	qty
PADEMO300	Laser Welded	12	300	20 /25.4	10
PADEMO350	Laser Welded	14	350	20 /25.4	10
PADEMO405	Laser Welded	16	405	20 /25.4	5

- > Green Concrete
- > Asphalt
- > Concrete Block
- > Mortar Joints
- > Sandstone







### Special Features

- 12mm segment height
- High concentration of diamond
- Long Life
- Fast Cutting
- Cut out directional arrow
- Laser welded segments



### Special Features

- High concentration of diamond
- Long life
- Fast cutting
- Cut out directional arrow
- Dropped segment for undercut protection
- Wet/Dry use
- Laser weld



# GRINDING CUPS

## CONCRETE



### PGCSR SINGLE ROW CONCRETE GRINDING CUPS

Part No.	Description	Inches	mm	Bore size	qty
PGCSR100	Single Row Cup	4	100	16 / 22.2	25
PGCSR115	Single Row Cup	4.5	115	22.2	25
PGCSR125	Single Row Cup	5	125	22.2	25
PGCSR178	Single Row Cup	7	178	22.2	10

>  
>

Cured Concrete > Clay Bricks  
General Masonry Products



### PGCDR DOUBLE ROW CONCRETE GRINDING CUPS

Part No.	Description	Inches	mm	Bore size	qty
PGCDR100	Double Row Cup	4	100	16 / 22.2	25
PGCDR115	Double Row Cup	4.5	115	22.2	25
PGCDR125	Double Row Cup	5	125	22.2	25
PGCDR178	Double Row Cup	7	178	22.2	10

>  
>

Cured Concrete > Clay Bricks  
General Masonry Products



### PGCR RADIAL CONCRETE GRINDING CUPS

Part No.	Description	Inches	mm	Bore size	qty
PGCR100	Radial Cup	4	100	16 / 22.2	25
PGCR115	Radial Cup	4.5	115	22.2	25
PGCR125	Radial Cup	5	125	22.2	25
PGCR178	Radial Cup	7	178	22.2	10

>  
>

Removal of Glue/Paint > Cured Concrete  
Clay Bricks > General Masonry Products

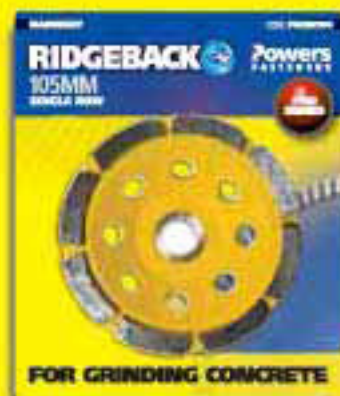


### PGCT TURBO STYLE CONCRETE GRINDING CUPS

Part No.	Description	Inches	mm	Bore size	qty
PGCT100	Turbo Cup	4	100	16 / 22.2	25
PGCT115	Turbo Cup	4.5	115	22.2	25
PGCT125	Turbo Cup	5	125	22.2	25
PGCT178	Turbo Cup	7	178	22.2	10

>  
>

Cured Concrete > Clay Bricks  
Pavers > General Masonry Products



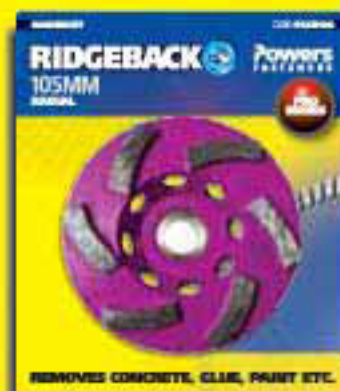
### Special Features

- Single row
- Economical and perfect for flat grinding
- For removal of imperfections in concrete
- Dry grinding



### Special Features

- Double row for longer life, smoother finish
- Perfect for flat grinding
- Formwork cleaning
- For removal of imperfections in concrete
- Dry grinding



### Special Features

- Perfect for glue / paint removal, no clogging
- Fast stripping of concrete
- For removal of imperfections in concrete
- Dry grinding



### Special Features

- Double layer for better cooling
- Perfect for shaping concrete / stone
- For removal of imperfections in concrete
- Dry grinding



## Safety Instructions

- > Always read safety instructions of the cutting tool, as well as the accessory, before use.
- > Make sure you know how to turn off the machine in case of an emergency.
- > Ensure both flanges on the machine are the same size.
- > Always wear approved safety glasses, hearing protection, head protection, respiratory protection and approved safety foot wear.
- > Inspect blade / cup for any defects before use.
- > Correspond the directional arrow on the blade / cup with the directional arrow on the tool being used.
- > Do not wear loose clothing when operating machinery.
- > Make sure tool is switched off before plugging into power.
- > Do not use diamond wheels / cups in confined spaces.
- > Always cut in a straight line avoid cutting curves as this can damage the blade and cause jamming.
- > Do not overheat blade / cup.
- > If blade/cup seems blunt it can be resharpened by working product in an abrasive material such as Sandstone, etc

RECOMMENDED OPERATING SPEEDS FOR BLADES			
DIAMETER		RECOMMENDED	MAXIMUM
METRIC	IMPERIAL	RPM	RPM
105mm	4"	9072	15000
115mm	4.5"	8063	13300
125mm	5"	7257	12000
150mm	6"	6048	10185
180mm	7"	5184	8730
200mm	8"	4536	7640
230mm	9"	4032	6790
250mm	10"	3629	6115
300mm	12"	3024	5095
350mm	14"	2592	4365
400mm	16"	2268	3820
450mm	18"	2016	3395
500mm	20"	1814	3055
600mm	24"	1512	2550

RECOMMENDED OPERATING SPEEDS (RPM) FOR GRINDING CUPS					
DIAMETER		S/R	D/R	R	T
METRIC	IMPERIAL				
105mm	4"	9500	9500	9500	9500
115mm	4.5"	9500	9500	9500	9500
125mm	5"	9500	9500	9500	9500
178mm	7"	6850	6850	6850	6850

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