



Outdoor Ceramics 2 cm, 3 cm and 5 cm  
Vitrified Porcelain 2021 | 1.0



Marcris are a technology leader of diamond tools.

In a 4½ year R&D and development programme, Marcris have pioneered professional diamonds and system solutions for cutting, grinding, drilling and dressing 2 – 5 cm vitrified porcelain paving (outdoor ceramics).

Because of its hard wearing properties; heat, frost, scratch, stain and discolouration resistant, vitrified 2 cm, 3 cm and 5 cm porcelain paving is rapidly replacing conventional outdoor surfaces.

The only issues with outdoor ceramics, until now, was its hardness and the associated difficulties and costs in cutting or drilling it.

We take pride in presenting the fruits of our R&D work. A range of diamond tools which make laying and working with vitrified paving as easy as working with conventional natural stone or concrete paving.

Marcris diamonds and machinery are designed to make working with vitrified porcelain paving easy, quick and cost efficient.



We trust in our products and their performance, we would like you to do the same.  
That is why we are offering the outstanding Marcris Guarantee.

Test any of our outdoor ceramic and vitrified porcelain paving products with this guarantee seal for 30 days, put them through the toughest tasks. If you are not fully satisfied, you will get your money back. Guaranteed!



Lifetime Guarantee against manufacturing fault.  
Register your machine online within 30 days of purchase to  
enjoy your lifetime guarantee against manufacturing fault.

Need technical support?

Contact Marcris and ask for 'Technical Support' for any questions or problems related to diamonds. Our team are experts, many with lifelong diamond knowledge. If we are unable to solve your problem over the phone, we will normally have an engineer on your site within 48 hours.



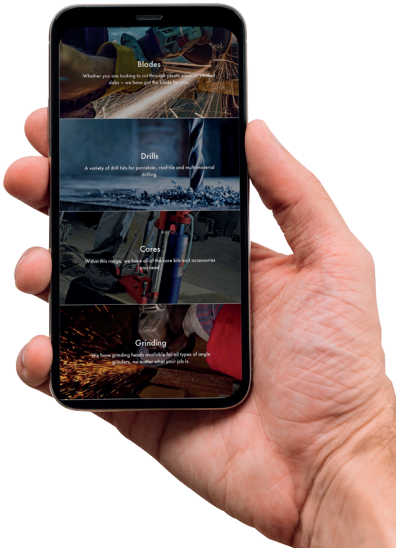
Follow our journey

Keep up to date whilst you are on the go by following us on our social media channels! We provide updates on new product launches, events we are attending, top tips for your application needs and even giveaways. Plus, we would love to hear about your experience with Marcris products, so follow us across our social media channels and make sure you post up your feedback.



View us online

Can't find the information you're looking for in this brochure? Have a look at our website, we list all of our range online and where you can purchase it from at [www.marcris.co.uk](http://www.marcris.co.uk)



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Vitrified pavers are durable, scratch resistant and hard wearing, but can be extremely hard to cut...

# THE FZ FAMILIES ARE THE WORLD'S ONLY DIAMOND BLADES THAT CAN CUT THEM PRECISELY, ACROSS ALL TYPES OF MACHINES.

The FZ850 blades are designed for outdoor ceramics 2 cm, 3 cm and 5 cm vitrified porcelain.

300 mm diameter & above, you must use water wherever possible if the machine facilitates it because:

- A) Health and Safety at work highlights the need for dust suppression
- B) Aids performance and life of the blade
- C) The premium porcelain material manufacturers insist on products being cut wet

## Marcrist - A Leader in Diamond Tools - Videos

Scan QR codes to take you to the associated videos and PDF'S.

### Laying vitrified porcelain



On sand and cement screed



Into the lawn

### Cutting vitrified porcelain paving



With your angle grinder, cordless angle grinder or cordless cut-off saw



With your petrol saw



With your bridge saw



With your table saw

### Drilling vitrified porcelain paving



Fixing hole drilling



Drilling holes for lights, downpipes & waste pipes

### Radius cutting vitrified porcelain paving



With your 115 mm / 125 mm / 230 mm angle grinder

### Edge rectifying / chamfering vitrified porcelain paving



With hand pads



With your angle grinder



# Cutting Blade Sector: Choose the best possible blade for your machine



Quality:

## Angle Grinders Cordless Angle Grinders Cordless Cut-Off Saws



**Ultimate Pro**  
The best by far  
on the market

FZ850

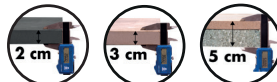


Trade

FZ550



Use dry or wet



All 2 cm  
porcelain



- No chipping
- Outstanding precision
- Exceptional long life
- Exceptional fast cut
- No wobbles
- Patented extra reinforced blade core for precision and safety
- Noise reduced

Ø 115 x 22 mm  
Ø 125 x 22 mm  
Ø 230 x 22 mm  
Ø 230 x 22 mm (Cordless Machines)



Use dry or wet



All 2 cm  
porcelain

## Petrol Cut-off Saws



**Ultimate Pro**  
The best by far  
on the market

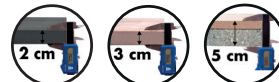
FZ850X



## High speed saw



Use wet



All 2 cm  
porcelain



- No chipping
- Outstanding precision
- Exceptional long life
- Exceptional fast cut
- No wobbles
- Patented extra reinforced blade core for precision and safety
- Noise reduced

300 x 20 mm  
350 x 20 mm

## Petrol Cut-off Saws



Trade

FZ550



## High speed saw



Use wet



All 2 cm  
porcelain

- Lowest buying price
- Good precision
- Long Life
- Good cutting speed

300 x 20 mm  
350 x 20 mm

## Bridge Saws Table Saws

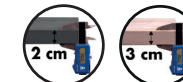


**Ultimate Pro**  
The best by far  
on the market

CK850T



Use wet



All 2 cm  
porcelain



- Turbo Diamond Design
- Fast Cutting
- Ultra Thin

200 x 30 / 25.4 mm  
230 x 25.4 mm  
250 x 30 / 25.4 mm  
300 x 30 / 25.4 mm  
350 x 30 / 25.4 mm

**Ultimate Pro**  
The best by far  
on the market

FZ850N



Use wet



All 2 cm  
porcelain



- Jointed Segments
- Outstanding Long Life

300 x 30 / 25.4 mm  
350 x 30 / 25.4 mm

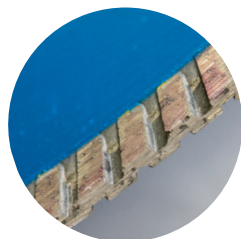
## FZ850 Special Blade for Outdoor Ceramics and 2 - 5 cm Vitrified Porcelain



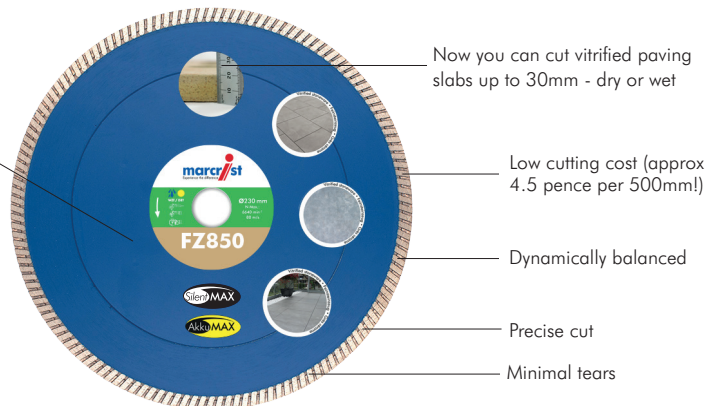
The FZ850 is the world's **ONLY** blade to cut up to 3cm vitrified paving slabs wet, dry, tear free and precise.

### Armoured Blade Core

Armoured centre for blade strength beyond belief. PATENTED <sup>(3)</sup>



Precise turbo segment



**Note:** For best results, please cut in one go

### FZ850 Blade for vitrified paving slabs/porcelain



10mm <sup>(1)</sup>

#### Why buy me

- Highest precision for vitrified paving slabs • Precise cut • Minimal tears
- Extremely fast • Excellent cutting performance • Lowest cutting costs

#### Technology



Vitrified paving slabs

Speed <sup>(2)</sup>	Life <sup>(2)</sup>
A	A++
B	A
C	
D	
E	
F	
G	

Part Number	Diameter	Bore	Dry
1843.0115.22	115 mm	22.23 mm	☀
1843.0125.22	125 mm	22.23 mm	☀
1843.0230.22	230 mm	22.23 mm	☀

## FZ550 Special Blade for Outdoor Ceramics and 2 cm Vitrified Porcelain



Leading innovation for precision cutting of 2 cm vitrified paving with your angle grinder, cordless angle grinder & cordless cut-off saw.



Laser Slot segment

### FZ550 Blade for Outdoor Vitrified Porcelain Paving Slabs



10mm <sup>(1)</sup>

#### Why buy me

- Precision cutting for vitrified paving slabs • Precise cut
- Good cutting speed • Long life

#### Technology



All 2 cm porcelain

Speed <sup>(2)</sup>	Life <sup>(2)</sup>
A	B
B	B
C	
D	
E	
F	
G	

Part Number	Diameter	Bore	Dry or Wet
1844.0115.22	115 mm	22 mm	☀ ☔
1844.0125.22	125 mm	22 mm	☀ ☔
1844.0230.22	230 mm	22 mm	☀ ☔

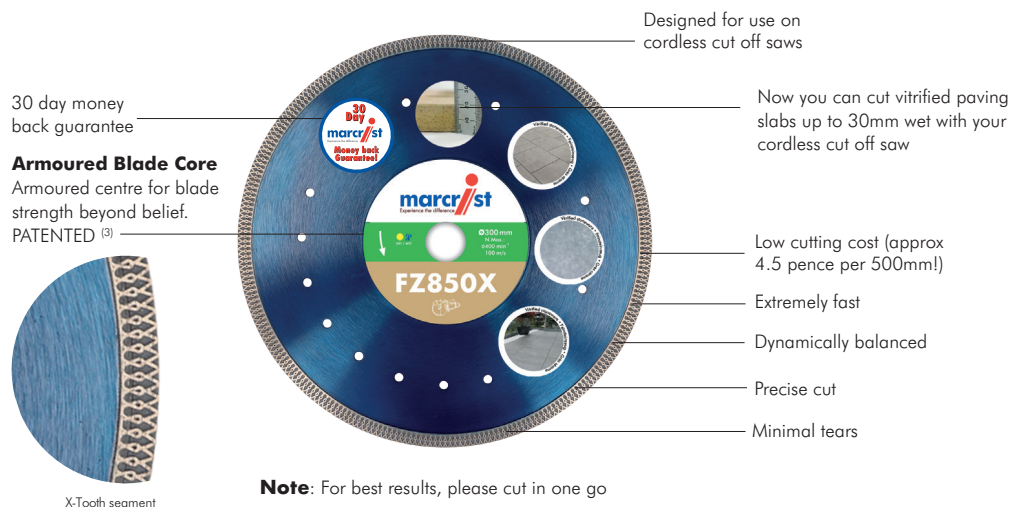
<sup>(1)</sup>Segment heights can vary. Usable segments heights are on average 1.5-2.5mm less than the specified segment height. Marcris reserves the right to change segment heights and specification without prior notification. <sup>(2)</sup>Product recommendations may vary according to user and/or machine and/or materials.

<sup>(3)</sup>GB Patent-No. GB2382544.

## FZ850X Special Blade for Outdoor Ceramics and 2 - 3 cm & 5 cm Vitrified Porcelain



The FZ850X is the world's first petrol cut off saw blade to cut up to 3 cm vitrified paving slabs wet, tear free and precise.



### FZ850X Blade for Outdoor Vitrified Porcelain Paving Slabs



10mm <sup>(1)</sup>

#### Why buy me

- Highest precision for cutting outdoor porcelain paving • Precise cut
- Extremely fast • Excellent cutting performance • Lowest cutting costs • Minimal tears

#### Technology



Part Number	Diameter	Bore	Dry or Wet
1843.0230.22X	230 mm	22.23 mm	(Suitable for cordless)
1843.0300.20X	300 mm	20.00 mm	
1843.0300.25X	300 mm	25.40 mm	
1843.0350.20X	350 mm	20.00 mm	
1843.0350.25X	350 mm	25.40 mm	

## FZ550 Special Blade for Outdoor Ceramics and 2 cm Vitrified Porcelain



Leading innovation for cutting 2 cm vitrified outdoor paving slabs on high speed petrol cut-off saws.



### FZ550 Blade for Outdoor Vitrified Porcelain Paving Slabs



10mm <sup>(1)</sup>

#### Why buy me

- Wet precision cutting for vitrified paving slabs • Precise cut
- Good cutting speed • Long life

#### Technology



Part Number	Diameter	Bore	Wet
1844.0300.20	300 mm	20 mm	
1844.0350.20	350 mm	20 mm	

<sup>(1)</sup>Segment heights can vary. Usable segments heights are on average 1.5-2.5mm less than the specified segment height. Marcris reserves the right to change segment heights and specification without prior notification. <sup>(2)</sup>Product recommendations may vary according to user and/or machine and/or materials. <sup>(3)</sup>GB Patent-No. GB2382544.



## FZ850N Special Blade for Outdoor Ceramics and 2 - 3 cm Vitrified Porcelain



Leading innovation for precision cutting outdoor paving slabs on professional table saws and bridge saws.



Laser Slot segment

### FZ850N Blade for Outdoor Vitrified Porcelain Paving Slabs



10mm <sup>(1)</sup>

#### Why buy me

- Highest precision for vitrified paving slabs • Precise cut • Minimal tears
- Extremely fast • Excellent cutting performance • Lowest cutting costs

#### Technology



Part Number	Diameter	Bore	Wet
1843.0300.30N	300 mm	25.4 / 30 mm	
1843.0350.30N	350 mm	25.4 / 30 mm	

<sup>(1)</sup>Segment heights can vary. Usable segments heights are on average 1.5-2.5mm less than the specified segment height. Marcris reserves the right to change segment heights and specification without prior notification.

<sup>(2)</sup>Product recommendations may vary according to user and/or machine and/or materials.

<sup>(3)</sup>GB Patent-No. GB2382544.

## CK850T Special Blade for Outdoor Ceramics and 2 - 3 cm Vitrified Porcelain



Problem cutting hard vitrified porcelain? Problem solved!

The best, fastest, longest life turbo tile blade with the lowest cost-per-cut you have ever used. Or your money back!



Extreme long life segment

\* Please note that over the first few metres this blade will bed in, improving it's quality of cut & cutting speed over time.

### CK850T Turbo Extreme Speed Tile Blade

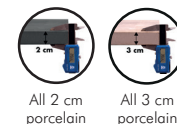


8mm <sup>(1)</sup>

#### Why buy me:

- Extreme speed • Extreme long life • Lowest cost-per-cut • Turbo-Segment

#### Technology:



Speed <sup>(2)</sup>	Life <sup>(2)</sup>
A	A+
B	A+
C	
D	
E	
F	
G	

Part Number	Diameter	Bore	Wet
1830.1200.30	200 mm	25.4 / 30 mm	
1830.1230.25	230 mm	25.4 mm	
1830.1250.30	250 mm	25.4 / 30 mm	
1830.1300.30	300 mm	25.4 / 30 mm	
1830.1350.30	350 mm	25.4 / 30 mm	





Marcryst have developed cost efficient, high speed diamond drilling solutions for all types of outdoor porcelain paving slabs. Rotary only, without hammer, to prevent slab damage and chipping.

## Fixing hole drilling Ø 8 mm

- Fencing gates
- Glass partitioning and pool enclosures
- Stand-up lighting, etc.

## TD850V



## Through hole drilling:

Ø 6 mm – 36 mm - PG850  
Ø 48 mm – 162 mm - PG850V

- LED lights
- Spotlights and uplighters
- Downpipes
- Waste pipes
- Inspection covers
- Manhole covers
- Flower troughs
- Special sizes available on request

## PG850



## PG850V



## The ideal tile drill for drilling fixing holes!

- Drilling Ø 8 mm fixing holes in seconds
- Self-centring, drills with pinpoint accuracy
- Works with all drills corded and cordless
- Drills 10 – 20 holes in 2 cm outdoor porcelain
- Drills without percussion to prevent chipping
- The perfect cost effective solution for users needing to drill only a limited number of holes
- Ideal rpm 1400 – 1500 rpm
- Must be used wet with sufficient water and with an oscillating motion



## TD850V Drill for Drilling Fixing Holes



### Why buy me:

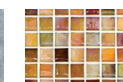
- The perfect tile drill for drilling fixing holes • Self-centering
- Won't slip or scratch tiles



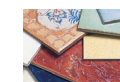
Granite & natural stone



Porcelain



Mosaic



All Tiles however hard

Drills between  
**10 - 20** holes  
in 2cm outdoor  
porcelain

Speed <sup>(2)</sup>		Life <sup>(2)</sup>	
A		A	
B		B	
C			
D			
E			
F			
G			

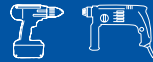


TD850V Pilot / guide hole drilling

Part Number	Diameter	Wet
495.101.008	8 mm	



## PG850 Tile and Porcelain wet drilling



## PG850 Tile and Porcelain wet drilling



### The ultimate tile and porcelain drill for frequent drillers!

- Perfect for drilling all tiles, granite and Porcelain hardness 5
- Extreme speed
- Extreme long life
- Perfect holes - first time, every time!
- Works with all drills, professional drills, corded and cordless
- Extreme lowest cost-per-hole drilled



### PG850 Ultimate Wet Tile Drill 1/2" x 20 UNF



#### Why buy me:

- Extreme speed
- Extreme long life
- Perfect for professional everyday users
- Extreme lowest cost-per-hole

#### Technology:



Granite



Porcelain



Mosaic



All Tiles however hard

Part Number	Diameter	Wet
490.001.006	6 mm	
490.001.007	7 mm	
490.001.008	8 mm	
490.001.010	10 mm	
490.001.015	15 mm	
490.001.019	19 mm	
490.001.022	22 mm	
490.001.026	26 mm	
490.001.032	32 mm	

Drills more than  
**200** holes  
in outdoor 2cm  
porcelain

Speed <sup>(2)</sup>	Life <sup>(2)</sup>
A	A <sup>+</sup>
B	
C	
D	
E	
F	
G	

### PG850 Professional Starter Kit



#### Contents include:

- • Ø6mm **PG850** tile drill
- • Water swivel with water connector
- • Water bottle
- • Universal drill guide
- • 2m of 8mm water tube
- • Core extraction kit for slug removal
- • Spanners

Part Number	Diameter	Wet
490.001.004	<b>PG850</b> Starter kit includes PG850 Ø6mm	

### PG850 Tile Drill Accessories

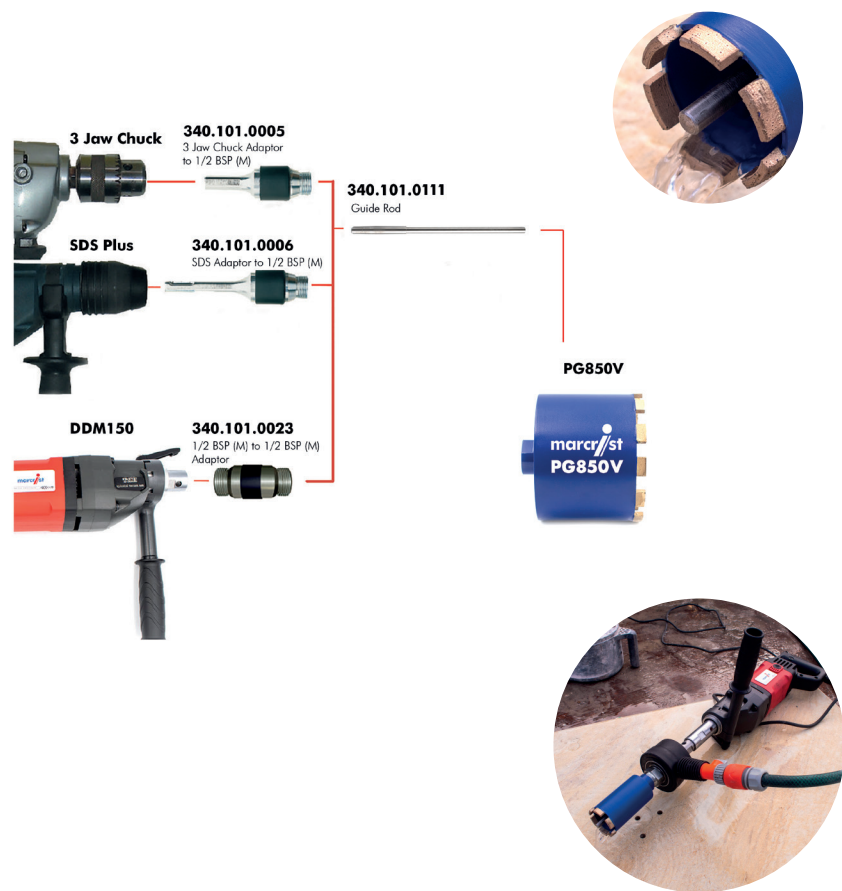
Description	Part Number
Water Swivel with ball valve and tap. Connects to drill and allows flow of water to <b>PG850</b>	490.003.038
3L Professional Water Bottle. Robust 3L water bottle. Increased capacity means less re-filling & pumping. Comes with 2m x 8mm plastic tubing and shoulder strap	490.003.031
Professional Steel Drill Guide. Robust steel construction for long life. Fits all sizes from Ø6mm - Ø112mm	490.003.030
Universal Drill Guide. Fits sizes from Ø6mm - Ø80mm	490.003.003
Sharpening Stone Re-sharpens Tile drills	350.100.0006
<b>PG850</b> Core Extraction Kit. For easy tile slug removal. Helps protect the delicate diamond crown and prolong the life of the drill	490.003.033



PG850V Through-Hole Diamond Drilling

PG850V Through-hole diamond drilling in outdoor porcelain paving slabs

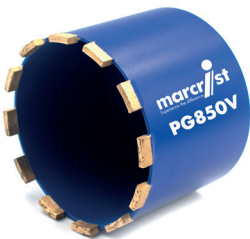
Drilling for LED lighting, uplighters, drainpipes and waste pipes is now easy.  
No need to buy special machines ... use your existing machine.  
PG850X drills razor sharp precision holes hand-held.  
A Ø 52 mm hole in 2 cm outdoor porcelain takes less than 15 seconds.  
PG850X drills wet and must be used.....



PG850V Drills For Outdoor Ceramics and 2 - 3 cm Vitrified Porcelain

- Easy to use hand-held • Exceptional drilling speed • Extreme low costs per hole drilled.
- Must be used wet • Dynamically balanced for precision • Can be used on any suitable drilling machine • Takes merely 15 seconds to drill Ø 82 mm in 2 cm porcelain slabs.

PG850V Diamond Drill for Outdoor Ceramics and 2 - 3 cm Vitrified Porcelain



Part Number	Diameter	Dry / Wet
282.001.0048	48 mm	Wet
282.001.0052	52 mm	Wet
282.001.0060	60 mm	Wet
282.001.0065	65 mm	Wet
282.001.0072	72 mm	Wet
282.001.0078	78 mm	Wet
282.001.0082	82 mm	Wet
282.001.0091	91 mm	Wet
282.001.0102	102 mm	Wet
282.001.0107	107 mm	Wet
282.001.0112	112 mm	Wet
282.001.0117	117 mm	Wet
282.001.0127	127 mm	Wet
282.001.0132	132 mm	Wet
282.001.0152	152 mm	Wet
282.001.0162	162 mm	Wet

Description	Part Number
Guide rod	340.101.0111
Drift / Ejector key	350.101.0002
Hex chuck adaptor	340.101.0005
SDS + Adaptor	340.101.0006

FF750 Diamond Router



Precision high speed diamond router Ø 20 mm x M14 for angle grinders.

- Enlarging drilled holes to the perfect size
- Trimming / edge trimming
- Radius routing
- Fits all M14 angle grinders
- Easy to use
- Fast easy routing
- Self-sharpening
- Long life
- Can be used dry or wet



FF750 High Speed Diamond Router



Why buy me

- Ultimate precision • Exceptionally Fast • Long Life • Low Costs
- Saves time and money



Speed <sup>(2)</sup>	Life <sup>(2)</sup>
A	A+
B	
C	
D	
E	
F	
G	

Part Number	Diameter	Dry or Wet
2394.0020.M14	FF750 Ø 20 mm x M14 Diamond Router	

Edge Rectifying - Hand-Held

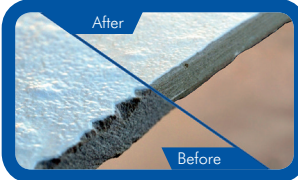
Edge Polishing Pads - for the professional finish.

Neaten the edge in seconds, simply passing the Diamond Edge Polisher along the edge provides that professional finish in seconds and prevents harm from sharp edges.

Available in 3 grits for the perfect finish from Fine Glass to Coarse Granite.



Using the Diamond Polishing Pad slide along the cut edge



The difference is clear to the eye

Edge Rectification / Bevelling / Cutting Edge Repairs

Coarse Grit #50

Fine Grit #100

Ultra Fine Grit #200



93(D) x 57(W) x 40(H)  
Providing a quality finish to:  
• Vitrified Paving • Granite • Slate • Marble

Description  
Diamond Tile Edge Polishing Pad: Coarse

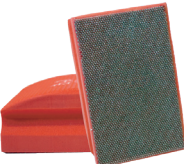
Part Number
490.003.053



93(D) x 57(W) x 40(H)  
Providing a quality finish to:  
• Vitrified Paving • Granite • Slate • Marble

Description  
Diamond Tile Edge Polishing Pad: Fine

Part Number
490.003.054



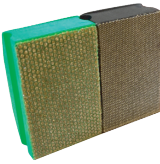
93(D) x 57(W) x 40(H)  
Providing a quality finish to:  
• Vitrified Paving • Granite • Slate • Marble

Description  
Diamond Tile Edge Polishing Pad: Ultra Fine

Part Number
490.003.055

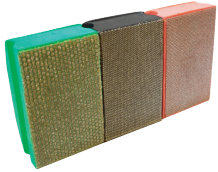
Diamond Hand Pad Double Pack

Diamond Hand Pad Treble Pack



Take advantage of the twin pack containing:  
• Coarse 50  
• Medium Multi-Purpose 100

Part Number
490.003.056



The complete set  
• Coarse 50  
• Medium Multi-Purpose 100  
• Fine 200

Part Number
490.003.057

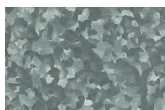


## The "Rolls Royce" of Bridge Saws

For 45 years Zuber Germany has stood for world quality leadership in landscaping bridge saws.



- Rustproof –



Every Zuber/Marcris saw is hot dip zinc galvanised and powder coated

- Ultimate Precision –



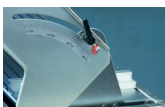
Stainless steel, maintenance free precision carriage for a cut precision of 2/10 of a mm

- Depth adjustment at the feed handle –



Perfection in every detail. Everything is designed with ease of handling and precision in mind

- Precision mitre cut –



Ultimate cut precision, chip and tear free

- Precision plunge cut –



One man loading

Foldable legs and transport wheels ensure easy transportation

You can buy a new standard saw every 2-3 years ...  
or a Zuber every 20-30 years.

## STM1250 The Ultimate Precision Bridge Saw



- Sturdy, replaceable stainless steel guide rail • 1250 mm cutting length
- Vibration and noise reduced • Removable water tub with • separate pump compartment



The image shows a diamond blade and a side table. These are not included with the machine but can be purchased separately.

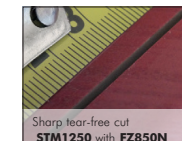
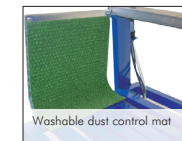
### Performance Data STM1250

Power	2000 Watt
Blade diameter	300 mm
Blade bore	25,4 mm
Rotational speed	2750 rpm
Plunge cutting	Yes
Max. cutting depth	110 mm
Double water flow	Yes
Replaceable stainless steel guide rail	Yes
Removable feet with height fine adjustment	Yes
Side table (optional)	Yes (230 x 170 mm)
Table size	1782 x 672 mm
Tool-free adjustments	Yes
Spindle-free cutting depth adjustment	Yes
Removable water tub	Yes
Separate pump compartment	Yes
Transport lock for cutting head	Yes
Size Length x width x height	1782 x 780 x 1200 mm
Total weight	111 kg
IP55 thermal protection RCCB	Yes
Vibration and noise reduced	Yes

### Part Number

8044.001.003

Contents include: **STM 1250**  
stone cutting machine.





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