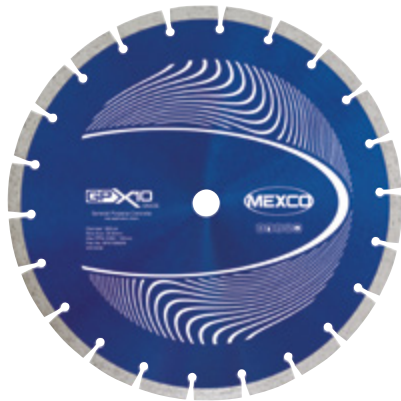




DEMAND THE **BEST**





IDENTIFYING THE REQUIREMENTS OF YOUR CUSTOMERS

1 MATERIALS

Ask: What materials are you cutting?

Use the diamond blade application chart on page 6 of this catalogue to determine what range of applications best suits your customers cutting requirements.

**Top tip:** A common misconception is that a general purpose concrete diamond blade will perform well in all types of concrete. Unfortunately in some situations this is not the case as the abrasive characteristics of an aerated piece of concrete such as concrete blocks or concrete roof tiles reduce segment life expectancy and would be better suited to a harder bond abrasive concrete segment such as a blade from the TPX, DPX or ABX Range.

2 MACHINE

Ask: What machine are you using?

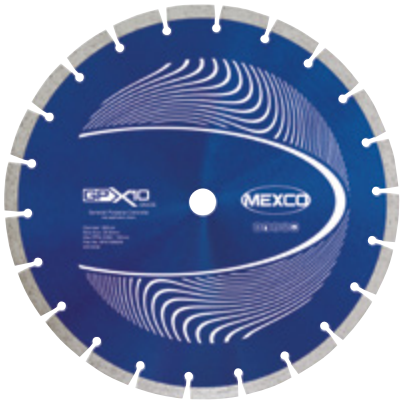
What machine is your customer using and what bore size does it have. The following size diameter blades use the following bore sizes on the most common machines (older cutting machinery tended to have alternative bore sizes so it is worth checking):

Diamond Blade Bore Size Guide		
Blade Diameter		Bore Size
4"	(100mm)	= 16mm
4.5" – 9"	(115-230mm)	= 22.23mm
12"	(300-305mm)	= 20mm
14" – 18"	(350-450mm)	= 25.4mm
(some larger handheld disc cutters require a 20mm bore)		
This table should only be used as a basic guide. If you are unsure of the correct bore size you should refer to the machines operator manual.		

3 LIFESPAN

Ask: How much cutting work do you have in this material? Is the cost per cut or initial purchase price more important to you?

The initial purchase price is obviously a very important factor when investing in a diamond blade. The initial cost can be understandably misleading due to the majority of diamond blades looking the same the justification to purchase the more expensive products is difficult for a customer to quantify. As you would expect the grade of segments used directly influences the lifetime and speed of cut thus providing a better cost per cut ratio on the more expensive products. If your customer has an ongoing requirement to cut the same product they will receive a better return from their original investment by opting for the more expensive higher grade diamond blades.



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MEXCO CORE RANGE  
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MEXCO TILE RANGE  
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## Welcome to the latest Mexco cutting and drilling catalogue....



### MEX-PRICE PROMISE\*

We have developed and introduced a host of new products which have been designed with the aim of offering your customers a product that will out perform our competitor's products on multiple levels of price, speed and lifetime. We are so confident that we have achieved our aim of providing best in class products that we have introduced our MEX-PRICE program, if you find a comparable product cheaper we will refund the difference and reduce the price by a further 10%...



### MEXCO TECHNICAL HELPLINE

In our ongoing commitment to customer satisfaction we have introduced the Mexco technical helpline. This service is open to you and your customers to ask advice on any Mexco product and also technical advice on the cutting and drilling of different applications. Call, fax or post online your query with one of our friendly technicians, we are here to help: Call: **0845 602 4274** Fax: **0845 602 4275** Email: [enquiries@mexco.co.uk](mailto:enquiries@mexco.co.uk)



### PROFESSIONAL AND FRIENDLY SERVICE THAT NEVER CHANGES

Although Mexco is striving to offer you online solutions to meet your busy schedules we are rooted to a commitment to offer you a direct contact in our company that is a constant, this is why when you open an account with Mexco you are assigned an area sales manager who will remain your contact with us. By offering this one to one service we have found that our customers needs come first and you receive a sense of accountability.



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Our minimum carriage paid is £100 nett - £6.50 carriage on orders under £100



Our commitment is to offer you and your customers a professional experience with a friendly and personal service.

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The majority of our products feature in the many videos found on the Mexco YouTube channel. Visit [youtube.com/user/MexcoTools](https://youtube.com/user/MexcoTools) to watch some great product videos.

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# MEXCO GRADING SYSTEM



### EXCELLENT VALUE

The X10 range of products has been specifically designed to offer the user excellent performance in a wide spectrum of diamond cutting and drilling applications whilst providing the benefit of a low purchase cost.



### LOW WEAR RATE

The X90 range of products allow a broad range of diamond cutting applications and will provide fast cutting characteristics combined with low wear rates and an excellent lifetime.



### OPTIMUM COST PER CUT

The XCEL range of products are quite simply our best in class, due to an uncompromised use of raw materials in their manufacture, they offer the user a diamond cutting or drilling experience that is faster and cleaner resulting in an optimum cost per cut.










































































































































































































































































































































































































Choosing the right diamond tool grade for the job can save you **both time and money!**

Call our technical sales representatives for more information on **0845 602 4274**

## DIAMOND BLADE APPLICATION CHART

At Mexco we understand that selecting the right diamond blade for the job can save you both time and money. Our easy to use grading system and application charts have been designed to make this process simple. Using the application cutting chart determine what range of material applications best suits your cutting requirements to ensure you have the right diamond blade on your machine.

## Diamond Blade Application Chart

Diamond Blade Application Chart		 Ultra Hard	 Ceramic	 Hard Materials	 Dual Purpose Turbo	 General Purpose	 Tri-Purpose	 Dual Purpose	 Abrasive Materials	 Asphalt / Tarmac	 Cup Grinder	 Mortar Raker	
MATERIALS	HARD	PORCELAIN											
	HARD MARBLE												
	MARBLE TILES												
	CERAMIC TILES												
	DUCTILE IRON												
	GRANITE												
	CLASS A ENGINEERING BRICK												
	CLAY PAVIOURS												
	CLAY PIPES VITRIFIED												
	CLAY ROOF TILES												
	QUARRY TILES												
	NON ABRASIVE INDIAN SANDSTONE												
	HARD FACING BRICK												
	MEDIUM FACING BRICK												
	HARD SLATE												
	RIVER GRAVEL AGGREGATE CONCRETE												
	FLINT AGGREGATE CONCRETE												
	REINFORCED CONCRETE												
	CONCRETE KERBS												
	CONCRETE SLABS												
	REINFORCED LINTELS												
	HARD LIMESTONE												
	LIMESTONE AGGREGATE CONCRETE												
	CONCRETE PAVIOURS												
	SOFT FACING BRICK												
	CONCRETE BLOCKS OVER 15KN												
	HARD SANDSTONE												
	SOFT SLATE												
	MEDIUM SANDSTONE												
	CONCRETE ROOF TILES												
	CONCRETE WITH MED SHARP SANDSTONE												
	COARSE SANDSTONE												

Range	Application Definition	
	<b>Ultra Hard Materials</b> The UHX range of diamond blades have been developed to enable the fast cutting of hard natural stone products and man-made fired materials such as porcelain and harder ceramic products.	
	<b>Ceramic</b> The CMX range of continuous rim diamond blades have been developed to cut medium density ceramic floor and wall tiles.	
	<b>Hard Materials / Granite</b> The HMX range of diamond blades have been engineered to cut the hardest of materials such as granite. Hard materials in man-made structures tend to be made from clay and kiln fired to temperatures between 900 to 1200 degrees. The manufacturing process of many of these products means they are subjected to high pressure pressing thus making them dense and very hard.	
	<b>Dual Purpose Turbo</b> The DTX range gives the user the ability to cut a variety of materials within a specific range. These diamond blades offer more versatility when the user is regularly cutting hard – medium density materials. In addition to the DTX wide application range this product also offers outstanding cutting characteristics due to its castellated turbo segment design.	
	<b>General Purpose</b> The GPX range of diamond blades are most suited to cutting man made products constructed using sand, cement and aggregate. The GPX range with its medium bond segment produces better results on products that have been compressed under high pressure to increase their load bearing characteristics. In addition this product is designed to deal with the stresses of cutting reinforced concrete products.	
	<b>Tri-Purpose</b> The TPX range have been designed to give the user the versatility to cut a wider variety of materials without the need to change diamond blades every time the material being cut changes, these tools offer the ability to cut longer with less down time.	
	<b>Dual Purpose</b> The DPX range gives the user the ability to cut a variety of materials within a specific range. These diamond blades offer more versatility when the contractor is regularly cutting medium – low density abrasive materials.	
	<b>Abrasive Materials</b> The ABX range of diamond blades are designed for cutting abrasive applications such as sand stone. A man made abrasive material tends to contain large amounts of sand i.e. concrete roof tiles, soft concrete pavements and concrete blocks but in addition handmade bricks and facing bricks may also have abrasive properties. Man-made abrasive building materials are predominantly mass produced to a low compressive specification with large air pockets contained within them.	
	<b>Asphalt</b> The ASX range of diamond blades go one step further in segment hardness compared with the ABX range when cutting abrasive materials. For instance Asphalt, this is a man-made product used for the construction of road surfaces formed from a mix of crude oil, sand and aggregate. Dependent on how old and how hard the asphalt was rolled (reducing air pockets within) will determine the compressive strength and subsequently will determine its abrasive characteristics. In addition to asphalt this category of diamond blades can be used for extreme abrasive applications such as Green concrete, light weight blocks (3.5 – 7Kn) and cement screed.	



INTRODUCTION TO DIAMOND BLADES

The three main components that make up a diamond blade are; Segment, Segment Attachment and Steel Centre.

1. Segment

The diamond grit which in many cases tends to be industrial grade is the ingredient that produces the cutting edge. The diamond grit is held within a matrix bond comprising of a mixture of copper, tin, carbon, iron, cobalt, nickel, and graphite amongst others. This is the element that determines the wear rate of the segment and how often the new layer of diamond grit is exposed to the cutting surface. When combined the diamond grit and matrix bond are more commonly known as the segment.

2. Segment Attachment

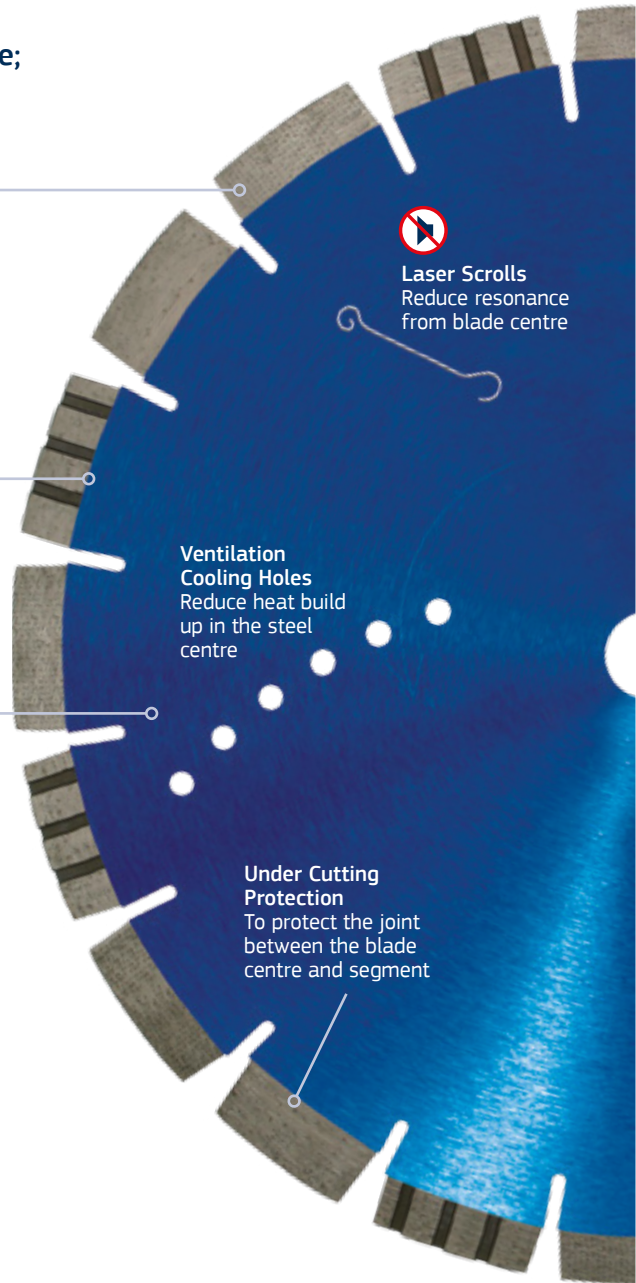
The main processes of attaching a segment to the steel centre are laser welding and sintering. Laser welded products tend to command a higher price due to the increased manufacturing costs involved with attaching the segments to the steel centre individually. Sintered products can be produced in larger batches reducing the manufacturing costing per item.

3. Steel Centre

The steel centres used in the manufacture of diamond blades can vary in design and quality dependant on the grade of steel used. In many cases the steel centre is relatively matched to the estimated segment lifetime. The material application of a diamond blade will determine whether the steel centre requires cooling holes or under cutting protection. Some other steel centre features available are laser scrolling and sandwich centre which are used for the purpose of reducing resonant noise whilst cutting.

As a result of the large spectrum of applications a diamond blade is used for it is inevitable that the lifetime of these products can vary considerably. This is why the most important aspect of choosing the right diamond blade is to establish at the very beginning the application that it will be predominantly used for as the correct choice early on will provide faster, cleaner and more cost effective results.

We advise our customers to use the application chart on page 6 as this can prove to be a useful tool in selecting the correct diamond blade for specific applications; it can often be a surprise to many customers what constitutes a hard material, or an abrasive one!



Visit [youtube.com/user/MexcoTools](https://youtube.com/user/MexcoTools)

UHXCEL

Ultra Hard Materials

Code	Dia	Seg Width	Bore Size	Each
UHXCEL11522	115	1.2	22.23	£42.98
UHXCEL12522	125	1.2	22.23	£46.29
UHXCEL15022	150	1.4	22.23	£63.04
UHXCEL18022	180	1.4	22.23	£66.88
UHXCEL18025	180	1.4	25.4	£66.88
UHXCEL20022	200	1.4	22.23	£74.40
UHXCEL23022	230	1.6	22.23	£78.94
UHXCEL30020	300	2	20	£214.17
UHXCEL35025	350	2	25.4	£232.92

- ▶ Segment: 10mm
- ▶ Segment Type: Continuous Castellated Turbo
- ▶ Segment Attachment: Sintered
- ▶ Usage: Can be used dry. Wet cut advised on diameters above 125mm
- ▶ Ventilation: Yes



The UHX - Ultra Hard Materials diamond blade has been developed to offer fast cutting of hard natural stone products and man made fired materials such as porcelain and ceramic products. The performance of this blade can be attributed to its ultra thin 1.2 / 1.4 / 1.6 / 2.0mm castellated design turbo segment enabling not only fantastic cutting performance but also a super clean cut with a huge reduction in chipping.

*Advisory: Maximum recommended cutting depth: 20mm*



Mexco Diamond Blade product packaging



Applications:

- Porcelain
- Hard Marble
- Marble Tiles
- Ceramic Tiles
- Ductile Iron
- Granite
- Class A Engineering Bricks
- Clay Paviments
- Clay Pipes Vitrified
- Clay Roof Tiles
- Quarry Tiles
- Non Abrasive Indian Sandstone
- Hard Facing Brick
- Medium Facing Brick
- Hard Slate

RECOMMENDED to cut these materials

Will cut these materials with the possibility of reduced lifetime / glazing



The CMX - tile cutting diamond blade has been developed with a continuous rim segment to cut ceramic tiles quickly and cleanly. The performance of this product can be attributed to its high diamond concentration allowing a large amount of diamond grit to be exposed at all times producing a fast accurate clean cut.



Mexco Diamond Blade product packaging



Ceramic Tile

Applications:

- Ceramic Tiles
- Marble Tiles

- RECOMMENDED to cut these materials
- Will cut these materials with the possibility of reduced lifetime / glazing

8mm segment height

High diamond concentration

CMX90 GRADE

Ceramic

MEXCO

Diameter: 300mm  
Bore Size: 30mm  
Max RPM: 1000 / 100m/s  
Part No: X0000000  
EN13236

As seen on YouTube

Visit youtube.com/user/MexcoTools

XCEL GRADE LIFETIME

X90 X10

CMX90 GRADE Ceramics				
Code	Dia	Seg Width	Bore Size	Each
CMX9011522	115	1.8	22.23	£12.90
CMX9012522	125	2	22.23	£13.78
CMX9018022	180	2	22.23	£27.55
CMX9018025	180	2	25.4	£27.55
CMX9020025	200	2	25.4	£35.27
CMX9023022	230	2	22.2	£39.68
CMX9030020	300	3	20	£71.64
CMX9030022	300	3	22.2	£71.64
CMX9030025	300	3	25.4	£71.64
CMX9035025	350	3	25.4	£90.37

- Segment: 8mm
- Segment Type: Continuous
- Segment Attachment: Sintered
- Usage: Wet & Dry. Wet cut advised on diameters above 125mm
- Ventilation: No

10mm segment height

Anti chipping narrow gullet

HMXCEL GRADE

Hard Material

MEXCO

Diameter: 300mm  
Bore Size: 30mm  
Max RPM: 800 / 100m/s  
Part No: HMXCEL3000  
EN13236

As seen on YouTube

Visit youtube.com/user/MexcoTools

XCEL GRADE LIFETIME

X90 X10

HMXCEL GRADE Hard Materials				
Code	Dia	Seg Width	Bore Size	Each
HMXCEL11522	115	2.4	22.23	£39.68
HMXCEL12522	125	2.4	22.23	£48.49
HMXCEL23022	230	2.6	22.23	£109.11
HMXCEL30020	300	3.2	20	£181.85
HMXCEL35025	350	3.2	25.4	£247.97
HMXCEL40025	400	3.2	25.4	£300.87
HMXCEL45025	450	3.2	25.4	£356.67

- Segment: 10mm
- Segment Type: Segmented
- Segment Attachment: Laser Welded
- Gullet: Narrow
- Usage: Wet & Dry
- Ventilation: No

The performance of the HMX – Hard materials diamond blade can be attributed to its narrow gullet design and soft bond matrix allowing new diamond grit to be exposed quicker enhancing cutting characteristics in hard dense products.



Mexco Diamond Blade product packaging



Granite

Clay Tile

Brick

Applications:

- Ductile Iron
- Granite
- Class A Engineering Brick
- Clay Pavours
- Clay Pipes Vitrified
- Clay Roof Tiles
- Quarry Tiles
- Non Abrasive Indian Sandstone
- Hard Facing Brick
- Medium Facing Brick
- Hard Slate
- River Gravel Aggregate Concrete
- Flint Aggregate Concrete
- Reinforced Concrete
- Concrete Kerbs

- RECOMMENDED to cut these materials
- Will cut these materials with the possibility of reduced lifetime / glazing



The DTX – Dual Purpose Turbo diamond blade is recommended for the contractor cutting a wide range of non-abrasive building products. The DTX produces an excellent speed of cut in applications ranging from hard materials to non-abrasive building materials whilst incorporating an anti-chipping continuous rim segment.



Mexco Diamond Blade product packaging



Applications:

- Ductile Iron
- Granite
- Class A Engineering Brick
- Clay Paviments
- Clay Pipes Vitrified
- Clay Roof Tiles
- Quarry Tiles
- Non Abrasive Indian Sandstone
- Hard Facing Brick
- Medium Facing Brick
- Hard Slate
- River Gravel Aggregate Concrete
- Flint Aggregate Concrete
- Reinforced Concrete
- Concrete Kerbs
- Concrete Slabs
- Reinforced Lintels
- Hard Limestone
- Limestone Aggregate Concrete
- Concrete Paviments
- Soft Facing Brick
- Concrete Blocks Over 15kn
- Hard Sandstone
- Soft Slate
- Medium Sandstone

● **RECOMMENDED**  
to cut these materials

● **Will cut these materials**  
with the possibility of reduced  
lifetime / glazing



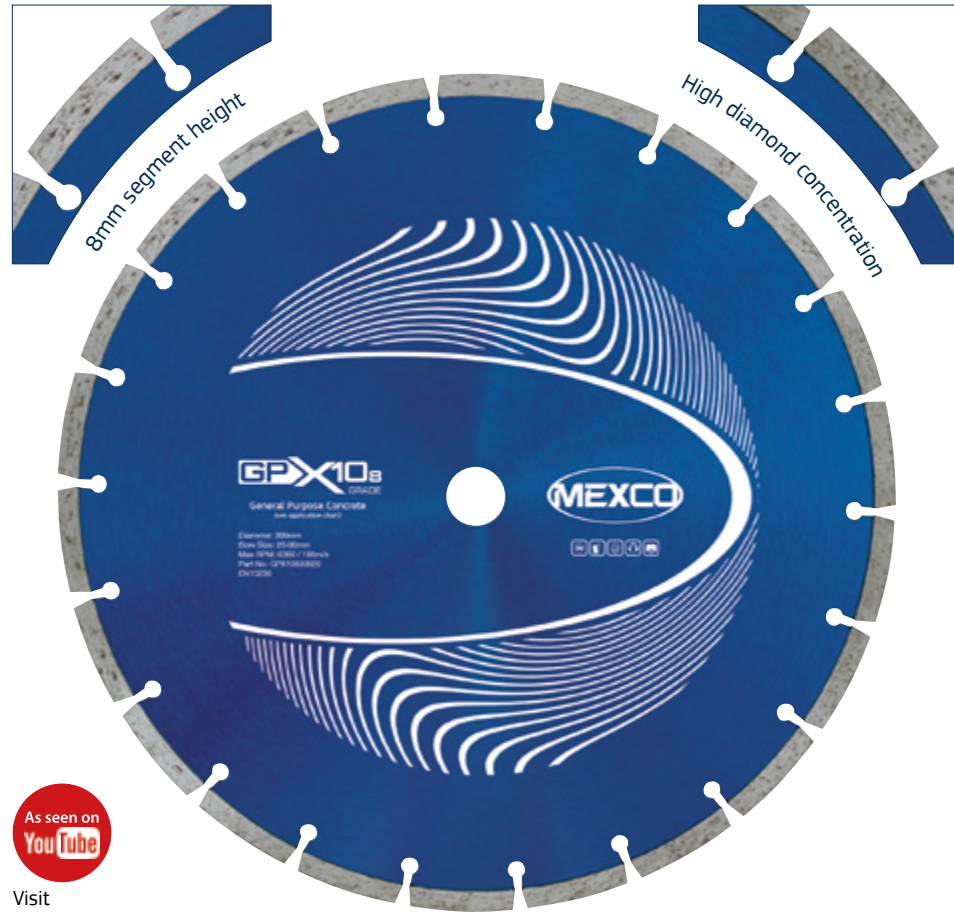
Visit  
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DTXCEL Dual Purpose Turbo

Code	Dia	Seg Width	Bore Size	Each
DTXCEL11522	115	2.4	22.23	£36.55
DTXCEL12522	125	2.4	22.23	£44.03
DTXCEL18022	180	2.4	22.23	£52.46
DTXCEL23022	230	3.2	22.23	£65.94
DTXCEL30020	300	3.2	20	£181.85
DTXCEL35025	350	3.2	25.4	£247.97

- ▶ Segment: 9mm
- ▶ Segment Type: Continuous
- ▶ Segment Attachment: Sintered
- ▶ Gullet: None
- ▶ Usage: Wet & Dry
- ▶ Ventilation: Yes



Visit  
[youtube.com/user/MexcoTools](https://youtube.com/user/MexcoTools)



GPX10B General Purpose

Code	Dia	Seg Width	Bore Size	Each
GPX10811522	115	2	22.23	£7.17
GPX10823022	230	2.8	22.23	£22.04
GPX10830020	300	3.2	20	£44.03

- ▶ Segment: 8mm
- ▶ Segment Type: Segmented
- ▶ Segment Attachment: Sintered
- ▶ Gullet: Narrow Keyhole
- ▶ Usage: Wet & Dry
- ▶ Ventilation: No

The GPX – General Purpose diamond blade provides the user with excellent cutting characteristics in the majority of non-abrasive construction products used in the UK.



Mexco Diamond Blade product packaging



Applications:

- Non Abrasive Indian Sandstone
- Hard Facing Brick
- Medium Facing Brick
- Hard Slate
- River Gravel Aggregate Concrete
- Flint Aggregate Concrete
- Reinforced Concrete
- Concrete Kerbs
- Concrete Slabs
- Reinforced Lintels
- Hard Limestone
- Limestone Aggregate Concrete
- Concrete Paviments
- Soft Facing Brick
- Concrete Blocks Over 15kn
- Hard Sandstone

● **RECOMMENDED**  
to cut these materials

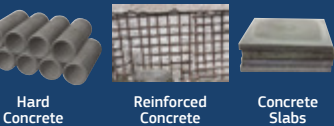
● **Will cut these materials**  
with the possibility of reduced  
lifetime / glazing

The GPX10 offers a cost effective solution for the user who requires a diamond blade that can cope with the cutting of the most widely used non-abrasive building materials.

With over a quarter of a million GPX10's sold this diamond blade remains a firm favourite for cost, speed and lifetime.



Mexco Diamond Blade product packaging

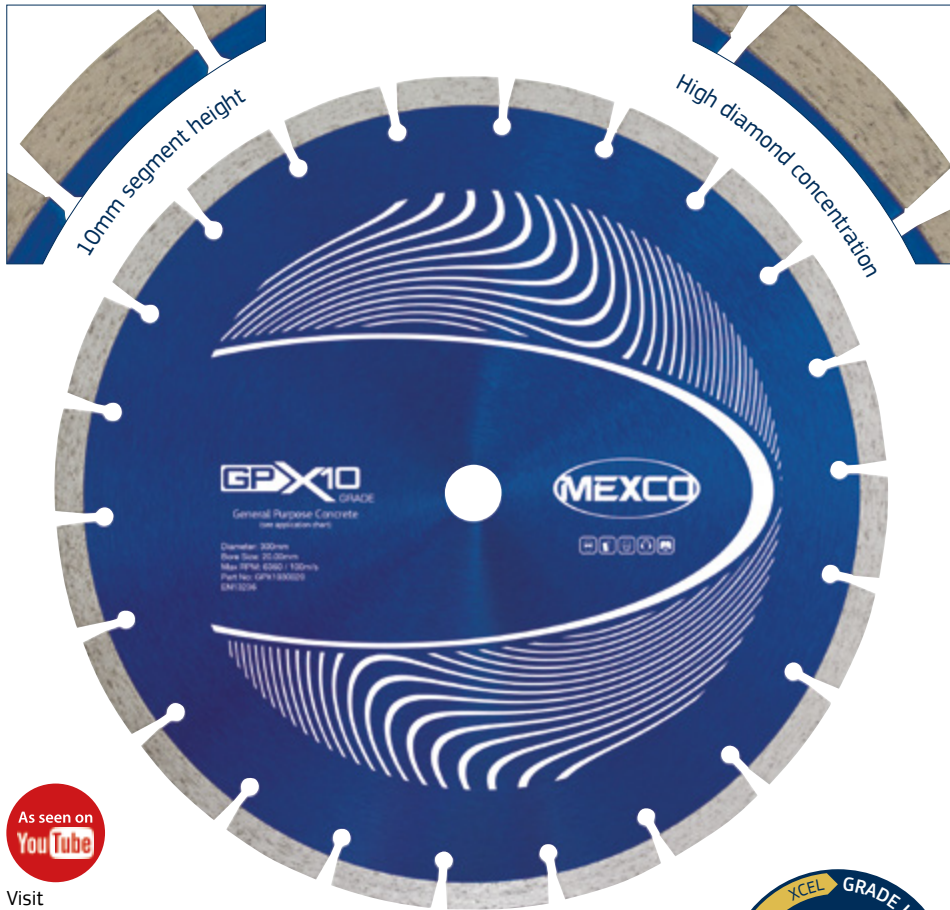


**Applications:**

- Non Abrasive Indian Sandstone
- Hard Facing Brick
- Medium Facing Brick
- Hard Slate
- River Gravel Aggregate Concrete
- Flint Aggregate Concrete
- Reinforced Concrete
- Concrete Kerbs
- Concrete Slabs
- Reinforced Lintels
- Hard Limestone
- Limestone Aggregate Concrete
- Concrete Pavours
- Soft Facing Brick
- Concrete Blocks Over 15kn
- Hard Sandstone

● **RECOMMENDED**  
to cut these materials

● **Will cut these materials**  
with the possibility of reduced lifetime / glazing



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**GPX10** GENERAL PURPOSE

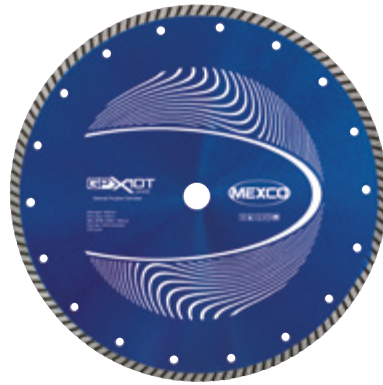
Code	Dia	Seg Width	Bore Size	Each
GPX1010516	105	2	16	£8.82
GPX1011522	115	2	22.23	£8.82
GPX1012522	125	2.2	22.23	£9.87
GPX1018022	180	2.4	22.23	£14.47
GPX1018025	180	2.4	25.4	£14.47
GPX1023022	230	2.8	22.23	£30.31
GPX1030020	300	3.2	20	£51.25
GPX1030022	300	3.2	22.23	£51.25
GPX1035025	350	3.2	25.4	£68.61

- ▶ **Segment:** 10mm
- ▶ **Segment Type:** Segmented
- ▶ **Segment Attachment:** Sintered
- ▶ **Gullet:** Narrow Keyhole
- ▶ **Usage:** Wet & Dry
- ▶ **Ventilation:** No



**GPX10T** GRADE

**General Purpose Turbo**



- ▶ **Segment:** 10mm
- ▶ **Segment Type:** Continuous
- ▶ **Segment Attachment:** Sintered
- ▶ **Gullet:** None
- ▶ **Usage:** Wet & Dry
- ▶ **Ventilation:** Yes

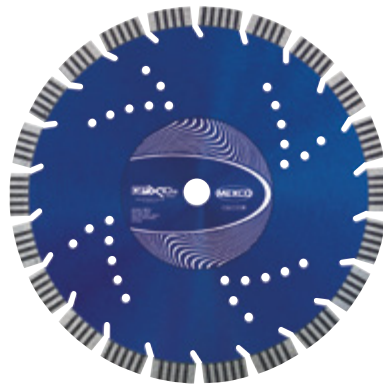
Code	Dia	Seg Width	Bore Size	Each
GPX10T11522	115	2	22.2	£16.48
GPX10T23022	230	3	22.23	£36.55
GPX10T30020	300	3.2	20	£60.34



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**GPX1015** GRADE

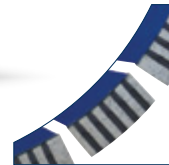
**General Purpose**



- ▶ **Segment:** 15mm
- ▶ **Segment Type:** Segmented
- ▶ **Segment Attachment:** Sintered
- ▶ **Gullet:** Angled
- ▶ **Usage:** Wet & Dry
- ▶ **Ventilation:** Yes

Code	Dia	Seg Width	Bore Size	Each
GPX1511522	115	3.2	22.23	£16.48
GPX1523022	230	3.2	22.23	£43.64
GPX1530020	300	3.2	20	£63.09

15mm Castellated Segments allow fast cutting speed whilst offering an extended lifetime



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The GPX – General Purpose diamond blade provides the user with excellent cutting characteristics in the majority of non-abrasive construction products used in the UK.



Mexco Diamond Blade product packaging



**Applications:**

- Non Abrasive Indian Sandstone
- Hard Facing Brick
- Medium Facing Brick
- Hard Slate
- River Gravel Aggregate Concrete
- Flint Aggregate Concrete
- Reinforced Concrete
- Concrete Kerbs
- Concrete Slabs
- Reinforced Lintels
- Hard Limestone
- Limestone Aggregate Concrete
- Concrete Pavours
- Soft Facing Brick
- Concrete Blocks Over 15kn
- Hard Sandstone

● **RECOMMENDED**  
to cut these materials

● **Will cut these materials**  
with the possibility of reduced lifetime / glazing



The GPX – General Purpose diamond blade provides the user with excellent cutting characteristics in the majority of non-abrasive construction products used in the UK.



Mexco Diamond Blade product packaging



**Applications:**

- Non Abrasive Indian Sandstone
- Hard Facing Brick
- Medium Facing Brick
- Hard Slate
- River Gravel Aggregate Concrete
- Flint Aggregate Concrete
- Reinforced Concrete
- Concrete Kerbs
- Concrete Slabs
- Reinforced Lintels
- Hard Limestone
- Limestone Aggregate Concrete
- Concrete Pavious
- Soft Facing Brick
- Concrete Blocks Over 15kn
- Hard Sandstone

● **RECOMMENDED**  
to cut these materials

● **Will cut these materials**  
with the possibility of reduced  
lifetime / glazing

**GPX90** General Purpose



Visit  
[youtube.com/user/MexcoTools](https://youtube.com/user/MexcoTools)



- ▶ Segment: 12mm
- ▶ Segment Type: Segmented
- ▶ Segment Attachment: L-Welded
- ▶ Gullet: Tear Drop
- ▶ Usage: Wet & Dry
- ▶ Ventilation: Yes

Code	Dia	Seg Width	Bore Size	Each
GPX9011522	115	2	22.23	£33.06
GPX9012522	125	2	22.23	£36.63
GPX9018022	180	2.4	22.23	£46.78
GPX9023022	230	2.4	22.23	£98.64
GPX9030020	300	3.2	20	£135.56
GPX9035020	350	3.2	20	£176.34
GPX9035025	350	3.2	25.4	£176.34
GPX9040020	400	3.4	20	£253.48
GPX9040025	400	3.4	25.4	£253.48
GPX9045025	450	3.6	25.4	£297.57

**GPXCEL** General Purpose



Visit  
[youtube.com/user/MexcoTools](https://youtube.com/user/MexcoTools)

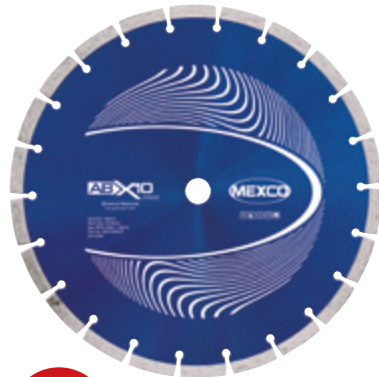


- ▶ Segment: 12mm
- ▶ Segment Type: Segmented
- ▶ Segment Attachment: L-Welded
- ▶ Gullet: Narrow Keyhole
- ▶ Usage: Wet & Dry
- ▶ Ventilation: No

Code	Dia	Seg Width	Bore Size	Each
GPXCEL18022	180	2.6	22.23	£107.95
GPXCEL23022	230	2.6	22.23	£109.11
GPXCEL30020	300	3.2	20	£181.85
GPXCEL35020	350	3.2	20	£247.97
GPXCEL35025	350	3.2	25.4	£247.97
GPXCEL40020	400	3.6	20	£300.87
GPXCEL40025	400	3.6	25.4	£300.87

\*Not suitable for use on a floor saw

**ABX10** Abrasive Materials



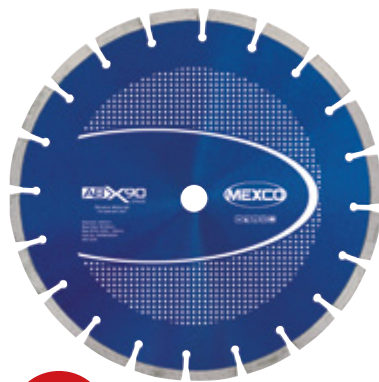
Visit  
[youtube.com/user/MexcoTools](https://youtube.com/user/MexcoTools)



- ▶ Segment: 10mm
- ▶ Segment Type: Segmented
- ▶ Segment Attachment: Sintered
- ▶ Gullet: Narrow Keyhole
- ▶ Usage: Wet & Dry
- ▶ Ventilation: No

Code	Dia	Seg Width	Bore Size	Each
ABX1011522	115	2	22.23	£9.84
ABX1012522	125	2.2	22.23	£10.04
ABX1023022	230	2.8	22.23	£33.93
ABX1030020	300	3.2	20	£57.49

**ABX90** Abrasive Materials



Visit  
[youtube.com/user/MexcoTools](https://youtube.com/user/MexcoTools)



- ▶ Segment: 10mm
- ▶ Segment Type: Segmented
- ▶ Segment Attachment: L-Welded
- ▶ Gullet: Narrow Keyhole
- ▶ Usage: Wet & Dry
- ▶ Ventilation: No

Code	Dia	Seg Width	Bore Size	Each
ABX9011522	115	2	22.23	£39.68
ABX9012522	125	2	22.23	£48.49
ABX9015022	150	2.4	22.23	£61.72
ABX9018022	180	2.4	22.23	£64.48
ABX9023022	230	2.4	22.23	£98.09
ABX9030020	300	3.2	20	£135.56
ABX9035025	350	3.2	25.4	£176.34
ABX9045025	450	3.6	25.4	£297.57

The ABX - Abrasive Material diamond blade range offers the user extended product lifetime when cutting abrasive building materials like medium density concrete blocks and lignacite products due to its harder segment bond.



Mexco Diamond Blade product packaging



**Applications:**

- Concrete Pavious
- Soft Facing Brick
- Concrete Blocks Over 15kn
- Hard Sandstone
- Soft Slate
- Medium Sandstone
- Concrete Roof Tiles
- Concrete With Med Sharp Sandstone
- Coarse Sandstone
- Breeze Block
- Shallow Concrete Screed
- Asphalt Over Concrete
- Concrete Block Under 15kn
- Green Concrete

● **RECOMMENDED**  
to cut these materials

● **Will cut these materials**  
with the possibility of reduced  
lifetime / glazing

The TPX - Tri-purpose diamond blade ensures that you have the correct diamond blade for the most common applications already mounted on your saw. The narrow gullets and 12mm diamond segments ensure a clean finish and fast stock removal when cutting hard materials.



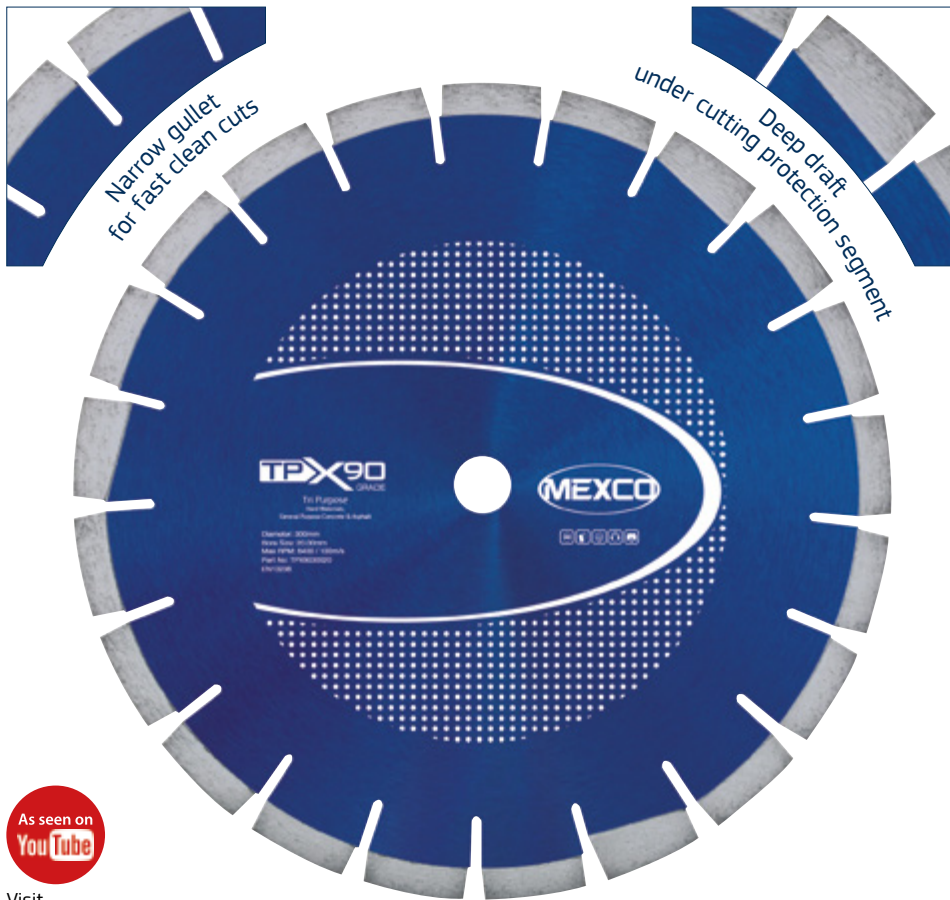
Reinforced Concrete Concrete Block Asphalt

**Applications:**

- Ductile Iron
- Granite
- Class A Engineering Brick
- Clay Paviments
- Clay Pipes Vitrified
- Clay Roof Tiles
- Quarry Tiles
- Non Abrasive Indian Sandstone
- Hard Facing Brick
- Medium Facing Brick
- Hard Slate
- River Gravel Aggregate Concrete
- Flint Aggregate Concrete
- Reinforced Concrete
- Concrete Kerbs
- Concrete Slabs
- Reinforced Lintels
- Hard Limestone
- Limestone Aggregate Concrete
- Concrete Paviments
- Soft Facing Brick
- Concrete Blocks Over 15kn
- Hard Sandstone
- Soft Slate
- Medium Sandstone
- Concrete Roof Tiles
- Concrete With Med Sharp Sandstone
- Coarse Sandstone
- Asphalt Over Concrete
- Shallow Concrete Screed
- Breeze Block
- Concrete Block Under 15kn
- Green Concrete
- Lignacite Blocks
- Asphalt

● **RECOMMENDED**  
to cut these materials

● **Will cut these materials**  
with the possibility of reduced  
lifetime / glazing

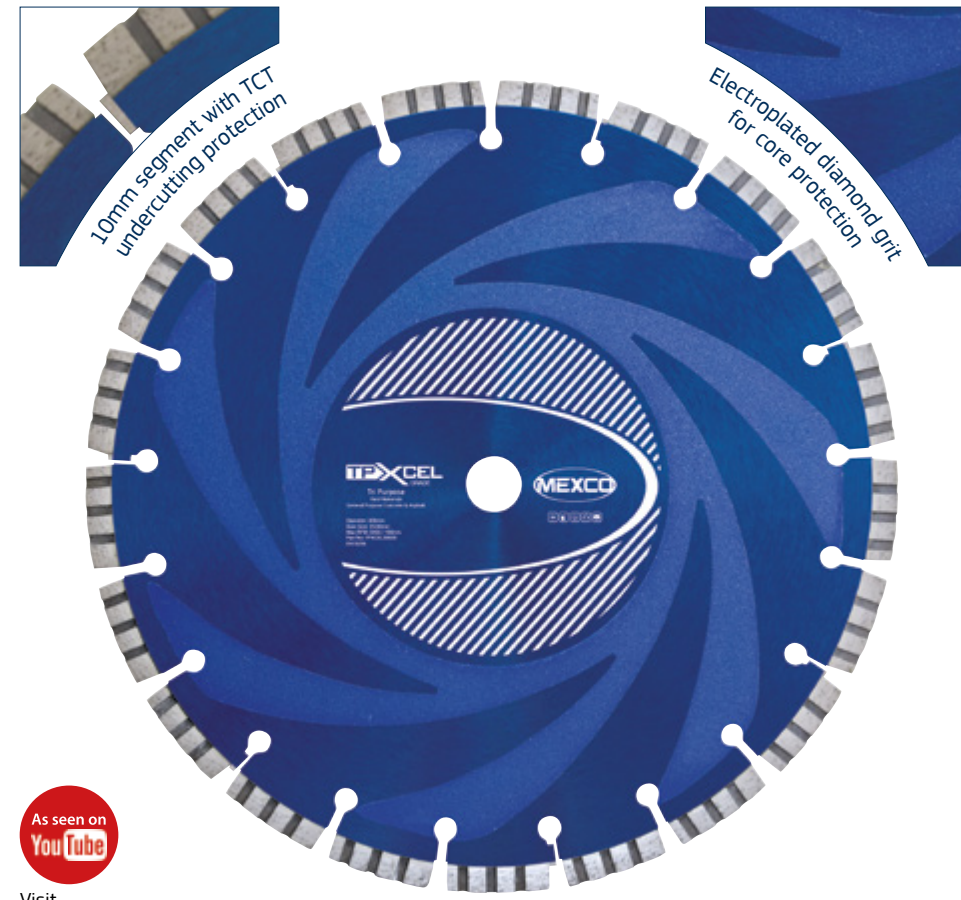


Visit  
[youtube.com/user/MexcoTools](https://youtube.com/user/MexcoTools)

**TPX90** Tri-Purpose

Code	Dia	Seg Width	Bore Size	Each
TPX9030020	300	3.2	20	£135.56

- ▶ **Segment:** 12mm
- ▶ **Segment Type:** Segmented
- ▶ **Segment Attachment:** Laser Welded
- ▶ **Gullet:** Narrow
- ▶ **Usage:** Wet & Dry
- ▶ **Ventilation:** No



Visit  
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**TPXCEL** Tri-Purpose

Code	Dia	Seg Width	Bore Size	Each
TPXCEL23022	230	2.8	22.23	£109.11
TPXCEL30020	300	3.2	20	£181.85
TPXCEL35020	350	3.2	20	£247.97
TPXCEL35025	350	3.2	25.4	£247.97
TPXCEL40020	400	3.5	20	£279.13
TPXCEL40025	400	3.5	25.4	£279.13
TPXCEL45025	450	3.6	25.4	£339.90

- ▶ **Segment:** 10mm
- ▶ **Segment Type:** Segmented
- ▶ **Segment Attachment:** Laser Welded
- ▶ **Gullet:** Keyhole
- ▶ **Usage:** Wet & Dry
- ▶ **Ventilation:** No



The TPX - Tri-purpose diamond blade ensures that you have the correct diamond blade for the most common applications already mounted on your saw. The castellated segment design ensures quick stock clearance and a clean finish. In addition to its other attributes it also has a revolutionary electroplated diamond grit design which extends from the blade centre protecting the core when being used in abrasive applications.



Reinforced Concrete Concrete Block Asphalt

**Applications:**

- Ductile Iron
- Granite
- Class A Engineering Brick
- Clay Paviments
- Clay Pipes Vitrified
- Clay Roof Tiles
- Quarry Tiles
- Non Abrasive Indian Sandstone
- Hard Facing Brick
- Medium Facing Brick
- Hard Slate
- River Gravel Aggregate Concrete
- Flint Aggregate Concrete
- Reinforced Concrete
- Concrete Kerbs
- Concrete Slabs
- Reinforced Lintels
- Hard Limestone
- Limestone Aggregate Concrete
- Concrete Paviments
- Soft Facing Brick
- Concrete Blocks Over 15kn
- Hard Sandstone
- Soft Slate
- Medium Sandstone
- Concrete Roof Tiles
- Concrete With Med Sharp Sandstone
- Coarse Sandstone
- Asphalt Over Concrete
- Shallow Concrete Screed
- Breeze Block
- Concrete Block Under 15kn
- Green Concrete
- Lignacite Blocks
- Asphalt

● **RECOMMENDED**  
to cut these materials

● **Will cut these materials**  
with the possibility of reduced  
lifetime / glazing



The DPX – Dual Purpose Abrasive diamond blade with its dual bond segment design enables fast cutting and long life in a wider range of common applications from facing bricks to asphalt.



Mexco Diamond Blade product packaging



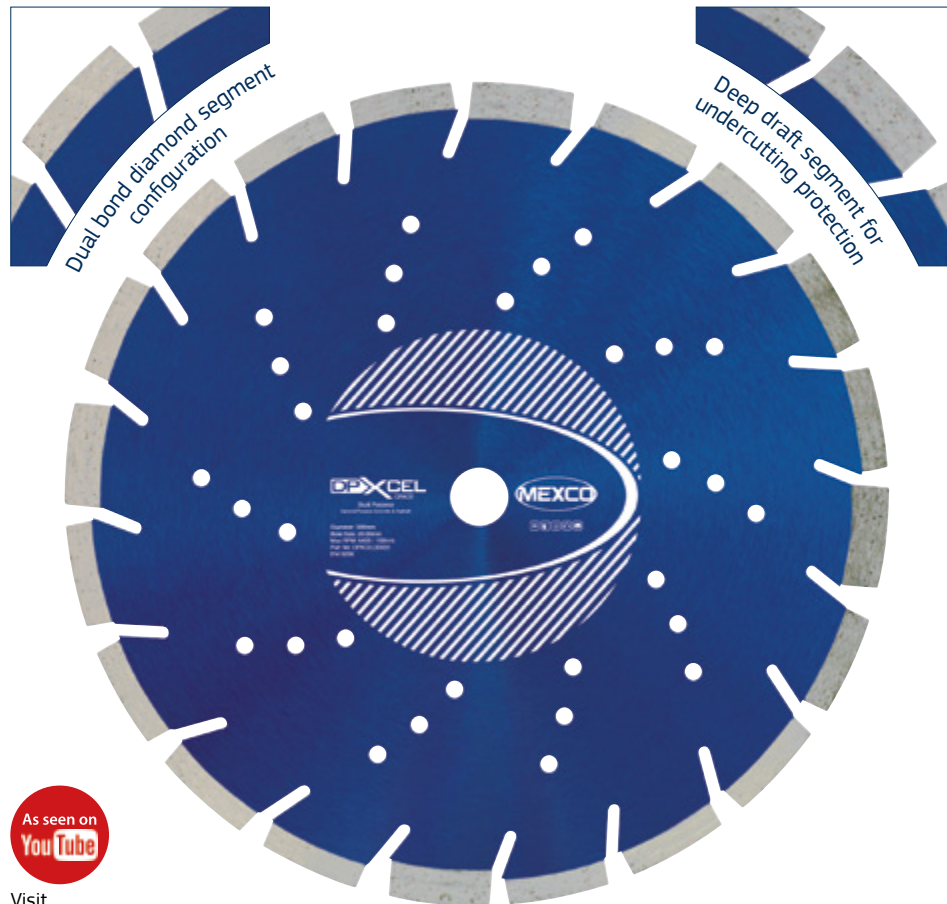
Concrete Slabs Concrete Block Asphalt

#### Applications:

- Hard Facing Brick
- Medium Facing Brick
- Hard Slate
- River Gravel Aggregate Concrete
- Flint Aggregate Concrete
- Reinforced Concrete
- Concrete Kerbs
- Concrete Slabs
- Reinforced Lintels
- Hard Limestone
- Limestone Aggregate Concrete
- Concrete Pavements
- Soft Facing Brick
- Concrete Blocks Over 15kn
- Hard Sandstone
- Soft Slate
- Medium Sandstone
- Concrete Roof Tiles
- Concrete With Med Sharp Sandstone
- Coarse Sandstone
- Asphalt Over Concrete
- Shallow Concrete Screed
- Breeze Block
- Concrete Block Under 15kn
- Green Concrete
- Lignacite Blocks
- Asphalt

● **RECOMMENDED**  
to cut these materials

● **Will cut these materials**  
with the possibility of reduced lifetime / glazing



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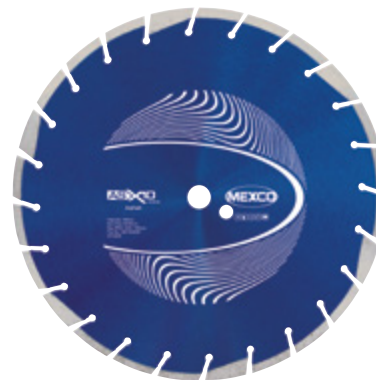
### DPXCEL Dual Purpose

Code	Dia	Seg Width	Bore Size	Each
DPXCEL11522	115	2.4	22.23	£47.39
DPXCEL12522	125	2.4	22.23	£48.49
DPXCEL23022	230	2.8	22.23	£109.11
DPXCEL30020	300	3.2	20	£181.85
DPXCEL35020	350	3.2	20	£247.97
DPXCEL35025	350	3.2	25.4	£247.97

- ▶ Segment: 10mm
- ▶ Segment Type: Segmented
- ▶ Segment Attachment: Laser Welded
- ▶ Gullet: Narrow Keyhole
- ▶ Usage: Wet & Dry
- ▶ Ventilation: Yes



### ASX10 Asphalt



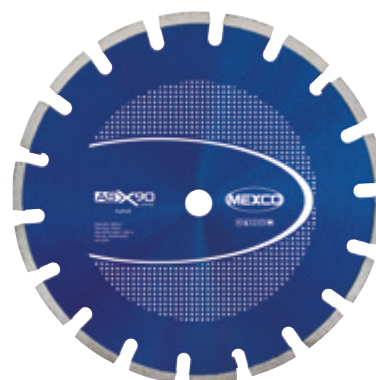
- ▶ Segment: 10mm
- ▶ Segment Type: Segmented
- ▶ Segment Attachment: Sintered
- ▶ Gullet: Narrow
- ▶ Usage: Wet & Dry
- ▶ Undercutting Protection: Yes

Code	Dia	Seg Width	Bore Size	Each
ASX1030020	300	3.2	20	£78.53
ASX1035020	350	3.2	20	£95.06
ASX1035025	350	3.2	25.4	£95.06



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### ASX90 Asphalt



- ▶ Segment: 10mm
- ▶ Segment Type: Segmented
- ▶ Segment Attachment: L-Welded
- ▶ Gullet: Narrow U-Slot
- ▶ Usage: Wet & Dry
- ▶ Undercutting Protection: Yes

Code	Dia	Seg Width	Bore Size	Each
ASX9030020	300	3.2	20	£135.56
ASX9035025	350	3.2	25.4	£176.34
ASX9045025	450	3.6	25.4	£310.79



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The ASX – Asphalt diamond blade range offers fast stock removal and lifetime when used for cutting the most abrasive of applications such as Asphalt, green concrete and cement screed.



Mexco Diamond Blade product packaging



Concrete Roof Tile Green Concrete Asphalt

#### Applications:

- Coarse Sandstone
- Asphalt Over Concrete
- Shallow Concrete Screed
- Breeze Block
- Concrete Block Under 15kn
- Green Concrete
- Lignacite Blocks
- Asphalt

● **RECOMMENDED**  
to cut these materials

● **Will cut these materials**  
with the possibility of reduced lifetime / glazing

The ASX – Asphalt diamond blade range offers fast stock removal and lifetime when used for cutting the most abrasive of applications such as Asphalt, green concrete and cement screed.



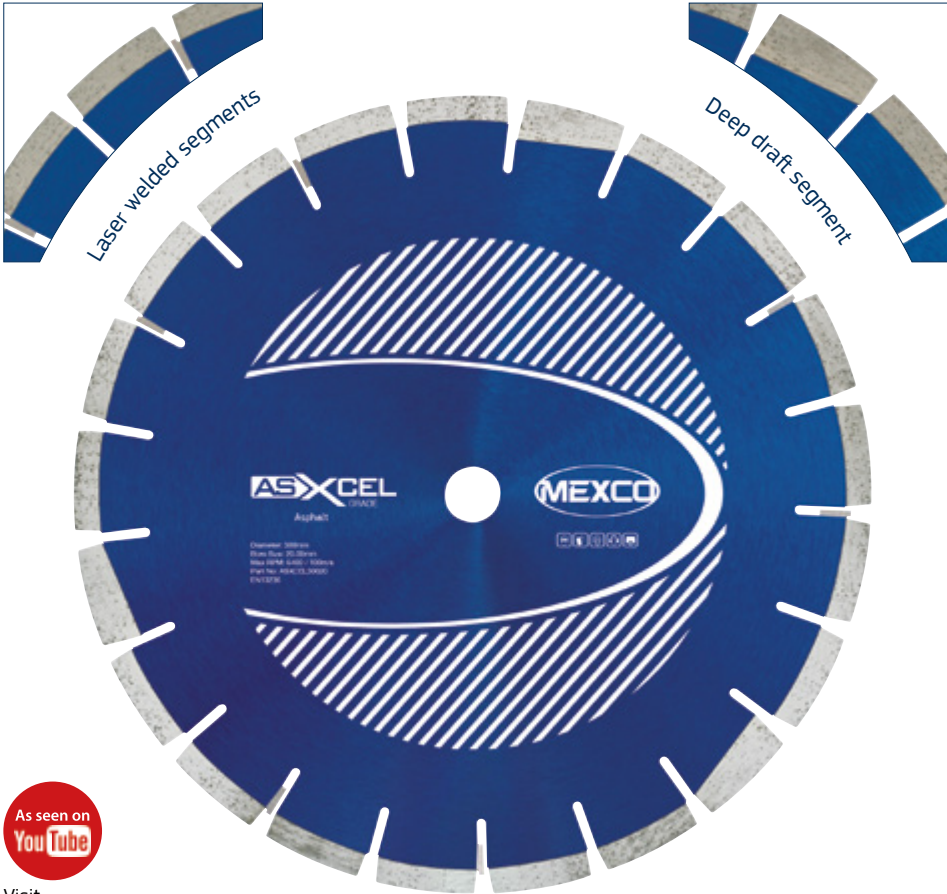
Mexco Diamond Blade product packaging



Concrete Roof Tile Green Concrete Asphalt

Applications:

- Coarse Sandstone
- Asphalt Over Concrete
- Shallow Concrete Screed
- Breeze Block
- Concrete Block Under 15kn
- Green Concrete
- Lignacite Blocks
- Asphalt



Visit  
[youtube.com/user/MexcoTools](https://youtube.com/user/MexcoTools)

ASXCEL Asphalt

Code	Dia	Seg Width	Bore Size	Each
ASXCEL30020	300	3.2	20	£219.32
ASXCEL35025	350	3.2	25.4	£287.65
ASXCEL40020	400	3.6	20	£331.38
ASXCEL40025	400	3.6	25.4	£331.38
ASXCEL45025	450	3.6	25.4	£417.09

- Segment: 10mm (15mm Deep Draft)
- Segment Type: Segmented
- Segment Attachment: Laser Welded
- Gullet: Narrow Slot
- Usage: Wet & Dry
- Undercutting Protection: Yes



UNDERSTANDING MEXCO SPECIALIST BLADES ⓘ

Range

Application Definition

RBX

Radius Blade

The RBX Radius Diamond Blade is designed to be used with angle grinders for cutting curves and radii with ease. These blades are especially suited for cutting into concrete, natural stone and paving slabs.



FCX

Flush Cut Blade

The FCX Flush Cut Blade is designed to be used with angle grinders for both straight cutting and flush cutting. These blades are fitted with a detachable flange mount with an M14 thread that attaches directly to most angle grinders. The flush face gives the opportunity for deep cutting and flat finishing.



VBX

Universal Blade

The VBX Vacuum Brazed Universal Blade uses a process of vacuum brazing to attach large pieces of diamond grit to the cutting edge of a steel centre; this manufacturing process allows the diamond grit to be held constantly in contact with the material being cut producing very fast and effective stock removal. These blades will cut just about everything including brick, concrete, ductile iron, plastic and fibre glass.



MRX

Mortar Raker

The MRX Mortar Raking Diamond Blade offers fast removal of mortar joints between bricks, natural stone, blocks and facing bricks. Mortar raking blades can also be used in the cutting of lead flashing channels.



CGX

Cup Grinder

CGX Diamond Cup Grinders are designed for use in conjunction with grinding machines and most angle grinders for the preparation or finishing of construction site materials. These products are especially suited for the preparation or repair of concrete and natural stone, the twin row segment allows fast stock removal.



CLX

Concrete Looping Blade

CLX Concrete Looping blades are specifically designed to produce pre-determined width slots in concrete to insert detector loops. For use on floorsaws only.



ALX

Asphalt Looping Blade

ALX Asphalt Looping blades are specifically designed to produce pre-determined width slots in asphalt to insert detector loops. For use on floorsaws only.



FBX

Fibre Cement Board

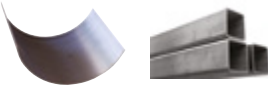
The FBX Blade has Polycrystalline diamond (PCD) teeth that cut through cement based fibre boards, composite materials and many other difficult applications with outstanding performance compared to a TCT blade or diamond continuous blade.



MEX

Metal Cut Blade

A vacuum brazed metal cutting blade providing superior cutting precision. The perforated steel core design reduces heat build-up and ensures quick cooling.



WDX

Wood Cut Blade

A multi-application vacuum brazed tungsten grit blade for high speed cutting through wood, plastic, plaster and other similar construction materials - designed to be used on angle grinders.



RECOMMENDED  
to cut these materials

Will cut these materials  
with the possibility of reduced  
lifetime / glazing



Mexco RBX Radius Blades are designed to be used with 4.5° and 9° angle grinders for cutting curves and radii with ease. The radii of the curve can be altered by tilting the angle of the blade in the cut. These products are especially suited for cutting into concrete, natural stone and paving slabs, making them ideal for landscape gardeners, driveway installers, general builders and anybody doing decorative patio work.



Concave steel centre for cutting radii accurately with ease



Concrete Concrete Slabs Block Paviours

Applications:

- Concrete
- Natural Stone
- Concrete Slabs
- Paving Blocks



Visit  
[youtube.com/user/MexcoTools](https://youtube.com/user/MexcoTools)



Concave Blade Profile

RBX10 GRADE Radius

Code	Dia	Seg Width	Bore Size	Each
RBX1011522	115	1.9	22.23	£33.01
RBX1023022	230	2.6	22.23	£77.10

- ▶ Segment: 10mm
- ▶ Segment Type: Segmented
- ▶ Segment Attachment: Sintered
- ▶ Gullet: Keyhole
- ▶ Usage: Wet & Dry
- ▶ Ventilation: No



RECOMMENDED  
to cut these materials

Will cut these materials  
with the possibility of reduced  
lifetime / glazing

The Mexco FCX Flush Cut Blade is designed to be used with angle grinders for both straight cutting and flush cutting. These blades are fitted with a detachable flange mount with an M14 thread that attaches directly to most angle grinders. The flush face gives the opportunity for deep cutting and flat finishing.



Mexco Diamond  
Blade product  
packaging



Slate Concrete Concrete Kerbs

Applications:

- Facing Bricks
- Slate
- Hard Aggregate Concrete
- Reinforced Concrete
- Concrete Kerbs
- Slabs
- Lintels
- Concrete Paviours



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[youtube.com/user/MexcoTools](https://youtube.com/user/MexcoTools)



Blade Profile

FCXCEL GRADE Flush Cut

Code	Dia	Seg Width	Thread	Each
FCXCEL125	125	2.2	M14	£100.94
FCXCEL230	230	2.5	M14	£149.35

- ▶ Segment: 10mm
- ▶ Segment Type: Segmented
- ▶ Segment Attachment: Sintered
- ▶ Gullet: Narrow Angled
- ▶ Usage: Dry
- ▶ Ventilation: No



RECOMMENDED  
to cut these materials

Will cut these materials  
with the possibility of reduced  
lifetime / glazing



**The VBX90 - Vacuum Brazed Universal Diamond Blade**

**The technology;**  
The VBX90 uses a process of vacuum brazing to attach large pieces of diamond grit to the cutting edge of a steel centre; this manufacturing process allows the diamond grit to be held constantly in contact with the material being cut producing very fast and effective stock removal.

**Applications:**

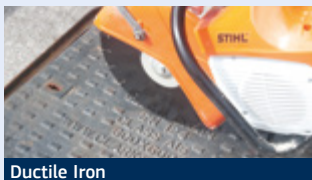
Concrete, Reinforced Concrete, Paving, Indian Sandstone, Quarry Slabs, Non Ferrous Metal, Granite slabs, Plastic, Ducting, Glass, Rubber and Fibreglass.



Brick



Concrete



Ductile Iron



Plastics and Fibre Glass

**VBX90**  
GRADE  
Universal Blade



UNDERWATER APPLICATIONS

The Universal Diamond Blade that cuts everything!



Visit  
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**VBX90**  
GRADE  
Universal

Code	Dia	Seg Width	Bore Size	Each
VBX907510	75	2.4	10	£54.94
VBX9011522	115	2.4	22.23	£62.00
VBX9023022	230	2.4	22.23	£91.47
VBX9030020	300	3.1	20	£195.07
VBX9035025	350	3.1	25.4	£219.87

- ▶ Segment: Vacuum Brazed
- ▶ Gullet: Keyhole
- ▶ Usage: Wet & Dry
- ▶ Ventilation: No

**MRX10**  
GRADE

Mortar Raker

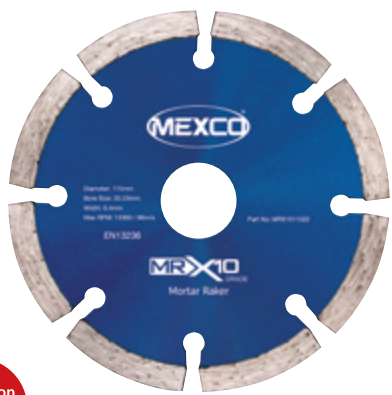
- ▶ Segment Height: 7mm
- ▶ Segment Type: Segmented
- ▶ Segment Attachment: Sintered
- ▶ Gullet: Keyhole
- ▶ Usage: Wet & Dry
- ▶ Ventilation: No
- ▶ Undercutting Protection: No



Code	Dia	Seg Width	Bore Size	Each
MRX1011522	115	6	22.23	£32.05



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**MRX90**  
GRADE

Mortar Raker

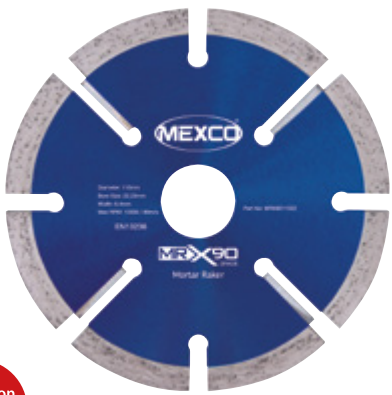
- ▶ Segment Height: 7mm
- ▶ Segment Type: Segmented
- ▶ Segment Attachment: Sintered
- ▶ Gullet: Keyhole
- ▶ Usage: Wet & Dry
- ▶ Ventilation: No
- ▶ Undercutting Protection: Yes



Code	Dia	Seg Width	Bore Size	Each
MRX9011522	115	6	22.23	£40.01
MRX9012522	125	6	22.23	£53.72
MRX9018022	180	6	22.23	£123.44



Visit  
[youtube.com/user/MexcoTools](https://youtube.com/user/MexcoTools)



The MRX - Mortar Raking diamond blade offers fast removal of mortar joints between bricks, Natural stone, blocks and facing bricks. Mortar raking blades can also be used in the cutting of lead flashing channels.



Mexco Diamond Blade product packaging



Mortar Removal

**Applications:**

- Mortar Joints
- Lead Flashing Channels

● **RECOMMENDED**  
to cut these materials

● **Will cut these materials**  
with the possibility of reduced lifetime / glazing

Diamond cup grinders are designed for use in conjunction with grinding machines and angle grinders for the preparation or finishing of construction site materials. These products are especially suited for the preparation or repair of concrete and natural stone, the twin row segment allows fast stock removal whilst the turbo segment offers a smoother finish.



Concrete

Applications:

- Concrete
- Natural Stone

RECOMMENDED  
to cut these materials

Will cut these materials  
with the possibility of reduced  
lifetime / glazing

CGX90 GRADE Cup Grinder

- Segment Height: 5.5mm
- Segment Type: Segmented
- Segment Attachment: Sintered
- Gullet: N/A
- Usage: Wet & Dry
- Ventilation: Yes



Code	Dia	Seg Width	Bore Size	Each
CGX9011522	115	7	22.23	£76.16
CGX9012522	125	7	22.23	£80.11
CGX9018022	180	7	22.23	£138.21
CGX9023022	230	7	22.23	£160.23



As seen on  
YouTube

Visit  
[youtube.com/user/MexcoTools](https://youtube.com/user/MexcoTools)



CGX90T GRADE Cup Grinder

- Segment Height: 4mm
- Segment Type: Turbo
- Segment Attachment: Sintered
- Gullet: N/A
- Usage: Wet & Dry
- Ventilation: Yes

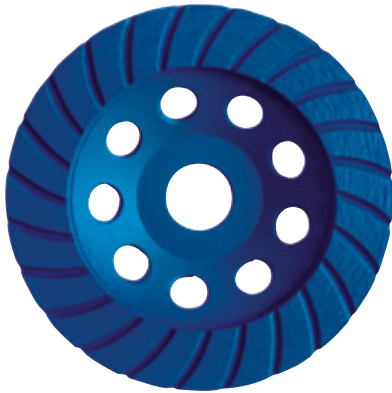


Code	Dia	Seg Width	Bore Size	Each
CGX90T11522	115	20	22.23	£74.40
CGX90T12522	125	20	22.23	£90.68
CGX90T18022	180	20	22.23	£104.73



As seen on  
YouTube

Visit  
[youtube.com/user/MexcoTools](https://youtube.com/user/MexcoTools)



CLXCEL GRADE Concrete Looping Blade

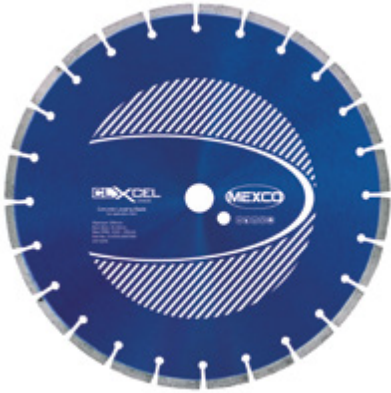
- Segment: 7mm/10mm
- Segment Attachment: Brazed
- Usage: Wet & Dry
- Segment Type: Segmented
- Gullet: Keyhole
- Ventilation: No

Code	Dia	Seg Width	Seg Height	Bore Size	Each
CLXCEL3508	350	8	10	25.4	£473.90
CLXCEL35010	350	10	10	25.4	£510.83
CLXCEL35012	350	12	7	25.4	£547.41



As seen on  
YouTube

Visit  
[youtube.com/user/MexcoTools](https://youtube.com/user/MexcoTools)



ALXCEL GRADE Asphalt Looping Blade

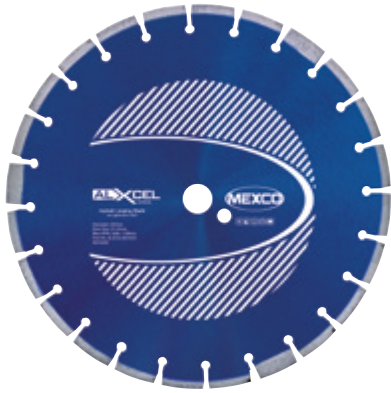
- Segment: 10mm
- Segment Attachment: Brazed
- Usage: Wet & Dry
- Segment Type: Segmented
- Gullet: Keyhole
- Ventilation: No

Code	Dia	Seg Width	Seg Height	Bore Size	Each
ALXCEL3508	350	8	10	25.4	£473.90
ALXCEL35010	350	10	10	25.4	£584.11
ALXCEL35012	350	12	10	25.4	£657.62



As seen on  
YouTube

Visit  
[youtube.com/user/MexcoTools](https://youtube.com/user/MexcoTools)



Mexco Looping blades are specifically designed to produce pre-determined width slots in concrete or asphalt to insert detector loops. For use on floorsaws only.



Mexco Diamond  
Blade product  
packaging



Reinforced  
Concrete



Asphalt

Concrete Looping Blade Applications:

- Concrete

Asphalt Looping Blade Applications:

- Asphalt

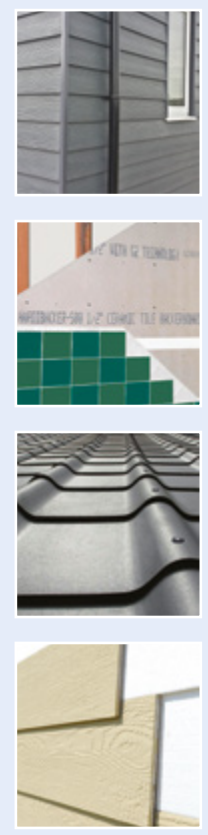
RECOMMENDED  
to cut these materials

Will cut these materials  
with the possibility of reduced  
lifetime / glazing



The FBX Blade has Polycrystalline diamond (PCD) teeth that cut through cement based fibre boards, composite materials and many other difficult applications with outstanding performance results compared to a TCT blade or diamond continuous blade.

**Common applications include:**  
Fibre cement board, laminated and melamine surfaces, GRP, softwoods, hardwoods, MDF, plywood and chipboard



## FBXCEL GRADE Fibre Cement Board

- ▶ Polycrystalline diamond tipped teeth
- ▶ Smoother, cleaner, more accurate cut
- ▶ Unbeatable performance in multiple layer cutting



Visit  
[youtube.com/user/MexcoTools](https://youtube.com/user/MexcoTools)

## FBXCEL GRADE Fibre Cement Board

Code	Dia	Seg Width	Bore Size	Each
FBXCEL16020	160	2	20	£77.10
FBXCEL18530	185	2.2	30	£82.44
FBXCEL21630	216	2.4	30	£131.15
FBXCEL25430	254	2.4	30	£184.05

### Includes

- ▶ 20 to 16mm reducer
- ▶ 30 to 16mm reducer
- ▶ 30 to 25mm and 30 to 16mm reducer
- ▶ 30 to 25.4mm, 30 to 25mm and 30 to 16mm reducer



The Blade that cuts faster and lasts longer than a TCT blade



## Abrasive Wheel - Inox

Code	Diameter (mm)	Thickness (mm)	Bore Size (mm)	Each
INOX3	115	1	22.23	£2.02
INOX4	125	1	22.23	£2.07
INOX62	230	2	22.23	£4.14

For alternative product see MEXCEL (on page 32)



## Abrasive Wheel - Metal

Code	Diameter (mm)	Thickness (mm)	Bore Size (mm)	Each
FMC3	115	3	22.23	£1.53
FMC6	230	3	22.23	£2.85
FMC7	300	3	20	£4.38
FMC8/20	350	3.5	20	£12.92
FMC8	350	3.5	25.4	£12.92
FMC8CHOP	350	3.5	25.4	£12.92

For alternative product see MEXCEL (on page 32)



## Abrasive Wheel - Stone

Code	Diameter (mm)	Thickness (mm)	Bore Size (mm)	Each
FSC3	115	3	22.23	£1.58
FSC6	230	3	22.23	£3.24
FSC7	305	3.5	20	£4.37

Bonded, fully reinforced, cutting and grinding discs, manufactured to the highest European standards.  
The grinding disc has a high stock removal, whilst the cutting disc gives a fast, clean and accurate cut, both maintaining a long life and excellent performance.

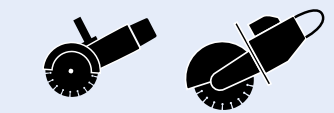
### Abrasive Wheel Flat Cutting Profile



### SUITABLE FOR USE ON:

ANGLE GRINDER

DISC CUTTER



### USEFUL INFORMATION:

- Wheels should be inspected prior to use, making sure it is in a suitable condition (no signs of defects, damage or missing information)
- Store in dry conditions
- Wheels should be handled with care at all times and should **NOT** be transported on the machine
- Wear the correct PPE at all times when using an abrasive wheel

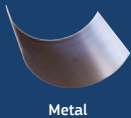
All Mexco abrasive wheels conform to EN12413



The MEXCEL vacuum brazed metal cutting blade provides superior cutting precision. The perforated steel core design reduces heat build-up and ensures quick cooling - perfect for intensive use.



Equivalent lifetime of over 40 conventional carborundum abrasive wheels.



Applications:

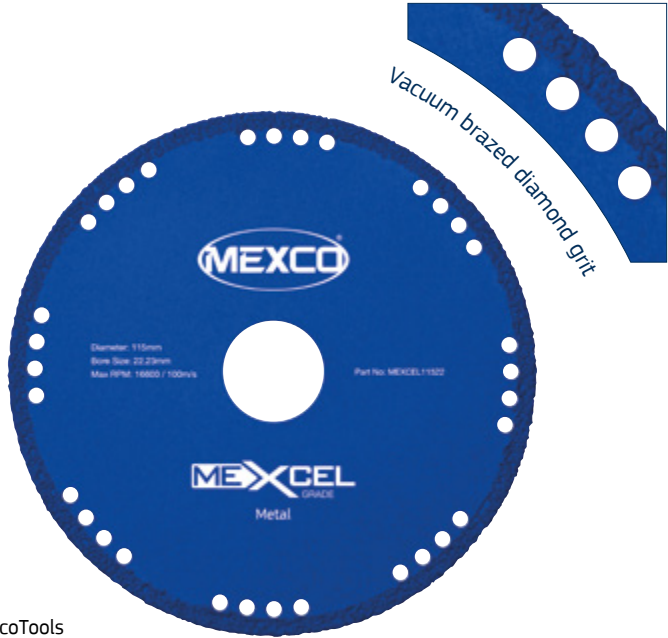
- High and Low Carbon Steel
- Hard Facing Alloys
- Ductile Iron
- Cast Iron
- Steel Section, Bar and Tube
- Weld Removal

RECOMMENDED  
to cut these materials

Will cut these materials  
with the possibility of reduced  
lifetime / glazing

MEXCEL GRADE  
Metal Cut Blade

The Diamond Blade for Demanding  
Metal Working Applications



Visit  
[youtube.com/user/MexcoTools](https://youtube.com/user/MexcoTools)

Benefit over conventional abrasive wheels

- Cost Efficiency:** Long tool life and less down time
- Environmental and Operator Friendly:** Reduced sparks and no odour
- Safety:** Wheel breakage eliminated
- Wheel Wear:** No reduction in tool size or shape
- Application:** Versatility

MEXCEL GRADE Metal

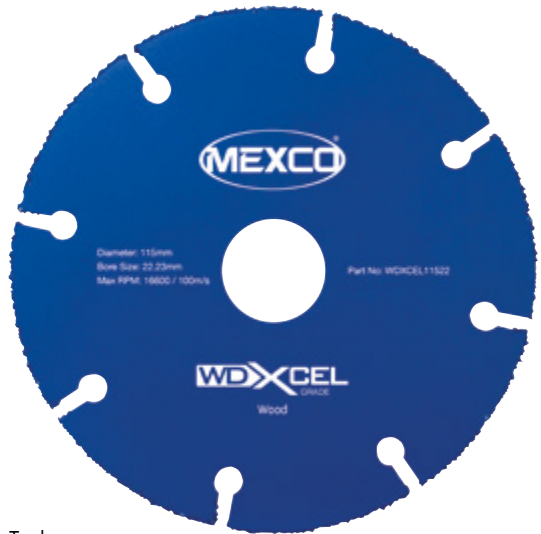
Code	Dia	Seg Width	Bore Size	Each
MEXCEL11522	115	1.5	22.23	£39.83
MEXCEL12522	125	1.5	22.23	£45.00
MEXCEL23022	230	1.8	22.23	£99.83
MEXCEL30020	300	3.1	20	£230.00
MEXCEL35025	350	3.1	25.4	£283.33

- High Diamond Concentration
- Segment Type: Continuous
- Segment: Vacuum Brazed
- Usage: Dry
- Ventilation: Yes



WDXCEL GRADE  
Wood Cut Blade

The Tungsten Carbide Grit Blade for  
Wood Working Applications



Visit  
[youtube.com/user/MexcoTools](https://youtube.com/user/MexcoTools)

Vacuum brazed tungsten grit  
fast cutting speed whilst offering  
an extended lifetime

WDXCEL GRADE Wood

Code	Dia	Seg Width	Bore Size	Each
WDXCEL11522	115	1	22.23	£34.20
WDXCEL12522	125	1	22.23	£37.77

- Segment: Vacuum Brazed
- Gullet: Keyhole
- Usage: Dry
- Ventilation: No



The WDXCEL - Vacuum Brazed  
Wood Cut Blade

**The technology;**  
The WDXCEL uses a process of vacuum brazing to attach fine pieces of tungsten grit to the cutting edge of a steel centre; this manufacturing process allows the grit to be held constantly in contact with the material being cut producing very fast and effective stock removal.



Applications:

- Wood
- Plastic
- Plaster

RECOMMENDED  
to cut these materials

Will cut these materials  
with the possibility of reduced  
lifetime / glazing

A guide to core drilling

Over the years diamond core drills have become a necessity to just about every trade linked to the construction industry. Dry use core drills are primarily designed for drilling into general house building materials such as soft facing stone, sandstone, brick and block. Dry core drills are designed to be used with hammer or percussion actions **turned off** and only rotary action applied. The minimum power requirement for dry core drilling should be 850w and for your safety we highly recommend the use of a machine with a slipping clutch. For horizontal drilling a minimal amount of pressure should be applied thus allowing the segments to mill away at the material. For vertical drilling the weight of the machine should suffice.

**NB: Dry core drills mill away at the material they don't drill!**

As a basic rule of thumb the larger the diameter of the core drill the slower the rotational speed.



Core drilling step by step



Insert adaptor to give 1/2" BSP Male fitment.



Insert A-Taper drill bit into adaptor



Screw core drill onto adaptor



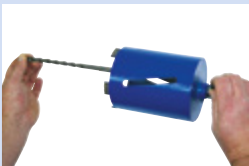
Align A-Taper with predetermined marker



Once segments have grooved to a depth of 10mm remove core drill from cut



Insert drift key into adaptor



Remove A-Taper and drift key



Recommence drilling in existing grooves



On penetration of first course remove core drill from cut



Remove core from inside of core drill



Unscrew core drill from adaptor and attach extension bar



Re-attach core drill



Continue drilling using first course hole as guide

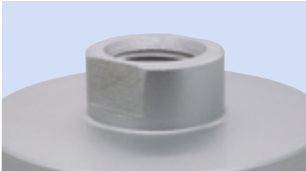
Top Tip: Using solid barrel core drills with dust extraction can increase drilling speed by up to 300%.



As seen on YouTube  
 Visit [youtube.com/user/MexcoTools](https://www.youtube.com/user/MexcoTools)



High quality slotted steel barrel



1/2" BSP back end fitment



High diamond concentration

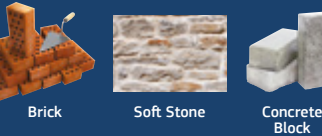
Additional individual DCX90 slotted core drills can be found on Page 39

DCX90 GRADE 7 Piece Core Drill Kit - Slotted

Code	Description	Each
A10DCDKIT37	38, 52 & 117MM COMPLETE CORE DRILL KIT	£141.66
A10DC38	38MM PREMIUM DRY CORE DRILL SLOTTED	£40.14
A10DC52	52MM PREMIUM DRY CORE DRILL SLOTTED	£47.95
A10DC117	117MM PREMIUM DRY CORE DRILL SLOTTED	£69.10
A10SDSADA200	SDS 200MM ADAPTOR	£27.55
A10HEXADA200	HEX 200MM ADAPTOR	£25.35
A10ATAPER175	10 X 175MM PILOT DRILL	£9.87
A10DRKEY	DRIFT KEY	£4.36
A10DCDCASE3	REPLACEMENT 7PC CORE DRILL CASE	£43.98

Available in both 7 & 11 piece kits the DCX90 range of dry core drills are ideal for the plumber, builder and general tradesman providing a compact and versatile kit for drilling holes in masonry from 38mm – 127mm.

\*All items included within the 7 & 11 piece cases can be purchased individually for restocking of the kit. Mexco dry core drills should be used in conjunction with a minimum 850W+ drill motor fitted with a slipping clutch.



- Applications:
- Soft / Medium Facing Brick,
  - Concrete Blocks,
  - Hard Sandstone,
  - Coarse Sandstone,
  - Soft Slate,
  - Breeze Block,
  - Lignacite Blocks

- RECOMMENDED to cut these materials
- Will cut these materials with the possibility of reduced lifetime / glazing

Available in both 7 & 11 piece kits the DCX90 range of dry core drills are ideal for the plumber, builder and general tradesman providing a compact and versatile kit for drilling holes in masonry from 38mm – 127mm.

\*All items included within the 7 & 11 piece cases can be purchased individually for restocking of the kit. Mexco dry core drills should be used in conjunction with a minimum 850W+ drill motor fitted with a slipping clutch.



Mexco Core Drill Kit product Packaging



Brick



Soft Stone



Concrete Block

Applications:

- Soft / Medium Facing Brick,
- Concrete Blocks,
- Hard Sandstone,
- Coarse Sandstone,
- Soft Slate,
- Breeze Block,
- Lignacite Blocks

● **RECOMMENDED**  
to cut these materials

● **Will cut these materials**  
with the possibility of reduced  
lifetime / glazing

DCX90  
GRADE



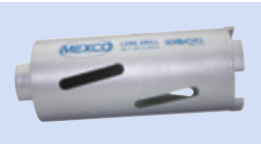
Visit  
[youtube.com/user/MexcoTools](https://youtube.com/user/MexcoTools)



Robust plastic &  
aluminium case



Four different  
adaptors included



Slotted barrels for fast  
waste removal

Additional individual DCX90 slotted  
core drills can be found on Page 39

DCX90  
GRADE

11 Piece Core Drill Kit - Slotted

Code	Description	Each
A10DCDKIT57	38, 52, 65, 117, AND 127MM COMPLETE CORE DRILL KIT	£196.97

A10DC38	38MM PREMIUM DRY CORE DRILL SLOTTED		£40.14
A10DC52	52MM PREMIUM DRY CORE DRILL SLOTTED		£47.95
A10DC65	65MM PREMIUM DRY CORE DRILL SLOTTED		£51.27
A10DC117	117MM PREMIUM DRY CORE DRILL SLOTTED		£69.10
A10DC127	127MM PREMIUM DRY CORE DRILL SLOTTED		£72.44
A10SDSADA80	SDS 80MM ADAPTOR		£16.04
A10SDSADA250	SDS 250MM ADAPTOR		£27.55
A10HEXADA80	HEX 80MM ADAPTOR		£14.05
A10HEXADA250	HEX 250MM ADAPTOR		£25.35
A10DRKEY	DRIFT KEY		£4.36
A10ATAPER175	10 X 175MM PILOT DRILL		£9.87
A10DCDCASE5	REPLACEMENT 11PC CORE DRILL CASE		£66.01

DCX90  
GRADE



Visit  
[youtube.com/user/MexcoTools](https://youtube.com/user/MexcoTools)



Heavy duty aluminium  
dust swivel unit



Use in conjunction  
with dust extractors

UP TO **3x** FASTER  
than a conventional  
slotted core

Additional individual DCX90 solid  
core drills can be found on Page 38

DCX90  
GRADE

Dust Swivel Core Drill Kit - Solid

Code	Description	Each
A10DCDKITEXT3	38, 52 AND 117MM COMPLETE DUST SWIVEL CORE DRILL KIT	£272.95

A10DC38US	38MM PREMIUM DRY CORE DRILL SOLID		£40.14
A10DC52US	52MM PREMIUM DRY CORE DRILL SOLID		£47.95
A10DC117US	117MM PREMIUM DRY CORE DRILL SOLID		£69.10
A10SDSADA80	SDS 80MM ADAPTOR		£16.04
A10HEXADA80	HEX 80MM ADAPTOR		£14.05
A10DRKEY	DRIFT KEY		£4.36
A10ATAPER300	10 X 300MM PILOT DRILL		£13.99
A10150EXT	150MM EXTENSION BAR		£22.04
A10EXTTRACTKIT	DUST SWIVEL UNIT		£108.37
A10DCDCASE3	REPLACEMENT 7PC CORE DRILL CASE		£43.98

The DCX90 range of dry core drills are ideal for the plumber, builder and general tradesman providing a compact and versatile kit for drilling holes in masonry from 38mm – 117mm.

Solid barrel dry core drills should only be used with an adequate dust extraction system; core drills used in this way can drill in excess of 300% faster than their slotted equivalents.

Mexco dry core drills should be used in conjunction with a minimum 850W+ drill motor fitted with a slipping clutch.



Mexco Core Drill Kit product Packaging



Brick



Soft Stone



Concrete Block

Applications:

- Soft / Medium Facing Brick,
- Concrete Blocks,
- Hard Sandstone,
- Coarse Sandstone,
- Soft Slate,
- Breeze Block,
- Lignacite Blocks

● **RECOMMENDED**  
to cut these materials

● **Will cut these materials**  
with the possibility of reduced  
lifetime / glazing



The DCX90 range of dry core drills offer fast drilling speeds and all round performance in masonry building materials due to the high quality diamond segments and welded barrels. \*Solid barrel dry core drills should only be used with an adequate dust extraction system; core drills used in this way can drill in excess of 300% faster than their slotted equivalents. Mexco dry core drills should be used in conjunction with a minimum 850W+ drill motor fitted with a slipping clutch.

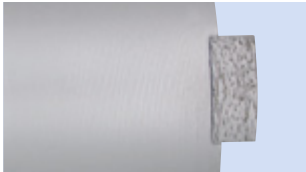


Mexco Core Drill product Packaging

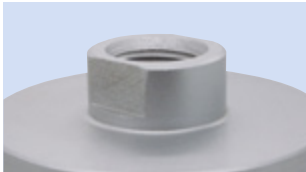
DCX90  
GRADE



Visit  
[youtube.com/user/MexcoTools](https://youtube.com/user/MexcoTools)



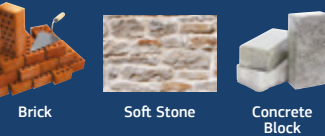
High quality steel barrel



1/2" BSP female fitment



High diamond concentration



Brick Soft Stone Concrete Block

Applications:

- Soft / Medium Facing Brick,
- Concrete Blocks,
- Hard Sandstone,
- Coarse Sandstone,
- Soft Slate,
- Breeze Block,
- Lignacite Blocks

● **RECOMMENDED**  
to cut these materials

● **Will cut these materials**  
with the possibility of reduced  
lifetime / glazing

The DCX90 range of dry core drills offer fast drilling speeds and all round performance in masonry building materials due to the high quality diamond segments and welded barrels. \*Mexco dry core drills should be used in conjunction with a minimum 850W+ drill motor fitted with a slipping clutch.



Mexco Core Drill product Packaging

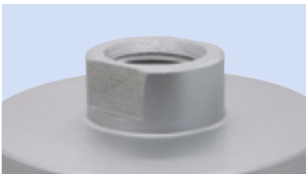
DCX90  
GRADE



Visit  
[youtube.com/user/MexcoTools](https://youtube.com/user/MexcoTools)



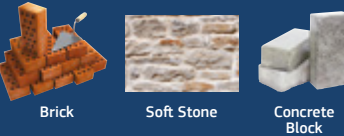
High quality slotted steel barrel



1/2" BSP female fitment



Long life segment



Brick Soft Stone Concrete Block

Applications:

- Soft / Medium Facing Brick,
- Concrete Blocks,
- Hard Sandstone,
- Coarse Sandstone,
- Soft Slate,
- Breeze Block,
- Lignacite Blocks

● **RECOMMENDED**  
to cut these materials

● **Will cut these materials**  
with the possibility of reduced  
lifetime / glazing

DCX90  
GRADE  
Dry Core Drill - Solid Barrel

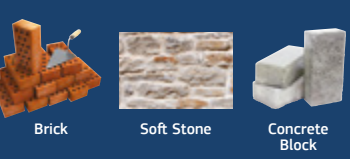
Code	Diameter	Length	Each
A10DC22US	22	400	£43.65
A10DC28US	28	400	£46.96
A10DC32US	32	400	£48.60
A10DC38US	38	165	£40.14
A10DC48US	48	165	£43.48
A10DC52US	52	165	£47.95
A10DC65US	65	165	£51.28
A10DC78US	78	165	£54.62
A10DC82US	82	165	£57.03
A10DC91US	91	165	£59.08
A10DC102US	102	165	£63.55
A10DC107US	107	165	£66.89
A10DC117US	117	165	£69.10
A10DC127US	127	165	£72.44
A10DC152US	152	165	£95.72
A10DC162US	162	165	£99.19

DCX90  
GRADE  
Dry Core Drill - Slotted Barrel

Code	Diameter	Length	Each
A10DC22	22	400	£43.65
A10DC28	28	400	£46.96
A10DC32	32	400	£48.60
A10DC38	38	165	£40.14
A10DC48	48	165	£43.48
A10DC52	52	165	£47.95
A10DC65	65	165	£51.28
A10DC78	78	165	£54.62
A10DC82	82	165	£57.03
A10DC91	91	165	£59.08
A10DC102	102	165	£63.55
A10DC107	107	165	£66.89
A10DC117	117	165	£69.10
A10DC127	127	165	£72.44
A10DC132	132	165	£83.64
A10DC142	142	165	£85.83
A10DC152	152	165	£95.72
A10DC162	162	165	£99.19
A10DC182	182	165	£120.39



The DCXCEL range of laser welded dry core drills are ideal for the plumber, builder, electrician and general tradesman providing a compact and versatile kit for drilling holes in masonry from 107mm – 152mm. The laser welded castellated segment on the DCXCEL range of professional dry core drills offer the user a faster drilling experience due to high diamond grit concentration within the segments. All items included within the 8 piece case can be purchased individually for restocking of the kit. Mexco dry core drills should be used in conjunction with a minimum 850W+ drill motor fitted with a slipping clutch.



- Applications:
- Soft / Medium Facing Brick,
  - Concrete Blocks,
  - Hard Sandstone,
  - Coarse Sandstone,
  - Soft Slate,
  - Breeze Block,
  - Lignacite Blocks

- **RECOMMENDED** to cut these materials
- **Will cut these materials** with the possibility of reduced lifetime / glazing

Castellated segment for faster drilling

Four different adaptors included

Perfect for electricians

As seen on YouTube

Visit [youtube.com/user/MexcoTools](https://youtube.com/user/MexcoTools)

Additional individual DCXCEL slotted core drills can be found on Page 44

DCXCEL GRADE 8 Piece Core Drill Kit - Slotted			
Code	Description		Each
A11DCDKIT2	107 AND 152MM COMPLETE CORE DRILL KIT		£183.33
A11LC107	107MM LASER DRY CORE DRILL SLOTTED		£130.60
A11LC152	152MM LASER DRY CORE DRILL SLOTTED		£155.38
A10SDSADA80	SDS 80MM ADAPTOR		£16.04
A10SDSADA250	SDS 250MM ADAPTOR		£27.55
A10HEXADA80	HEX 80MM ADAPTOR		£14.05
A10HEXADA250	HEX 250MM ADAPTOR		£25.35
A10DRKEY	DRIFT KEY		£4.36
A10ATAPER175	10 X 175MM PILOT DRILL		£9.87
A11DCDCASE8	REPLACEMENT 8PC CORE DRILL CASE		£43.98

High quality slotted steel barrel

1/2 BSP female fitment

Castellated segment for faster drilling

As seen on YouTube

Visit [youtube.com/user/MexcoTools](https://youtube.com/user/MexcoTools)

Additional individual DCXCEL slotted core drills can be found on Page 44

DCXCEL GRADE 9 Piece Core Drill Kit - Slotted			
Code	Description		Each
A11DCDKIT3	38, 52, AND 117MM COMPLETE CORE DRILL KIT		£216.66
A11LC38	38MM LASER DRY CORE DRILL SLOTTED		£79.35
A11LC52	52MM LASER DRY CORE DRILL SLOTTED		£95.64
A11LC117	117MM LASER DRY CORE DRILL SLOTTED		£138.98
A10SDSADA80	SDS 80MM ADAPTOR		£16.04
A10SDSADA250	SDS 250MM ADAPTOR		£27.55
A10HEXADA80	HEX 80MM ADAPTOR		£14.05
A10HEXADA250	HEX 250MM ADAPTOR		£25.35
A10DRKEY	DRIFT KEY		£4.36
A10ATAPER175	10 X 175MM PILOT DRILL		£9.87
A11DCDCASE3	REPLACEMENT 9PC CORE DRILL CASE		£43.98

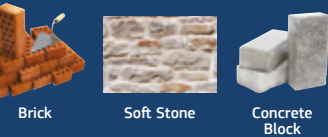
The DCXCEL range of laser welded dry core drills are ideal for the plumber, builder, electrician and general tradesman providing a compact and versatile kit for drilling holes in masonry from 38mm – 117mm. The laser welded castellated segment on the DCXCEL range of professional dry core drills offer the user a faster drilling experience due to high diamond grit concentration within the segments. All items included within the 9 piece case can be purchased individually for restocking of the kit. Mexco dry core drills should be used in conjunction with a minimum 850W+ drill motor fitted with a slipping clutch.



- Applications:
- Soft / Medium Facing Brick,
  - Concrete Blocks,
  - Hard Sandstone,
  - Coarse Sandstone,
  - Soft Slate,
  - Breeze Block,
  - Lignacite Blocks

- **RECOMMENDED** to cut these materials
- **Will cut these materials** with the possibility of reduced lifetime / glazing

The DCXCEL range of laser welded dry core drills are ideal for the plumber, builder, electrician and general tradesman providing a compact and versatile kit for drilling holes in masonry from 38mm – 127mm. The laser welded castellated segment on the DCXCEL range of professional dry core drills offer the user a faster drilling experience due to high diamond grit concentration within the segments. All items included within the 11 piece case can be purchased individually for restocking of the kit. Mexco dry core drills should be used in conjunction with a minimum 850W+ drill motor fitted with a slipping clutch.



Applications:

- Soft / Medium Facing Brick,
- Concrete Blocks,
- Hard Sandstone,
- Coarse Sandstone,
- Soft Slate,
- Breeze Block,
- Lignacite Blocks

- RECOMMENDED** to cut these materials
- Will cut these materials** with the possibility of reduced lifetime / glazing

DCXCEL  
GRADE



Visit  
youtube.com/user/MexcoTools

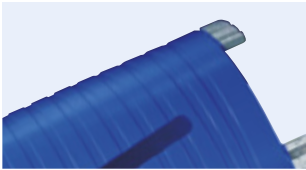
Additional individual DCXCEL slotted core drills can be found on Page 44



High diamond concentration



Robust aluminium & plastic case



High quality slotted steel barrel

LASER  
WELDED SEGMENTS

DCXCEL 11 Piece Core Drill Kit - Slotted

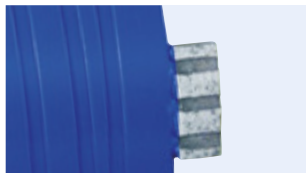
Code	Description	Each
A11DCDKITS	38, 52, 65, 117, AND 127MM COMPLETE CORE DRILL KIT	£283.33
A11LC38	38MM LASER DRY CORE DRILL SLOTTED	£79.35
A11LC52	52MM LASER DRY CORE DRILL SLOTTED	£95.64
A11LC65	65MM LASER DRY CORE DRILL SLOTTED	£106.22
A11LC117	117MM LASER DRY CORE DRILL SLOTTED	£138.98
A11LC127	127MM LASER DRY CORE DRILL SLOTTED	£144.65
A10SDSADA80	SDS 80MM ADAPTOR	£16.04
A10SDSADA250	SDS 250MM ADAPTOR	£27.55
A10HEXADA80	HEX 80MM ADAPTOR	£14.05
A10HEXADA250	HEX 250MM ADAPTOR	£25.35
A10DRKEY	DRIFT KEY	£4.36
A10ATAPER175	10 X 175MM PILOT DRILL	£9.87
A11DCDCASE5	REPLACEMENT 11PC CORE DRILL CASE	£66.01

DCXCEL  
GRADE

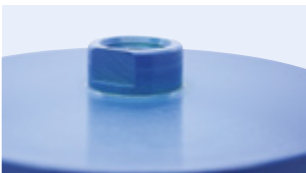


Visit  
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LASER  
WELDED SEGMENTS



Laser welded segment



1/2" BSP female fitment



Castellated segment for fast drilling

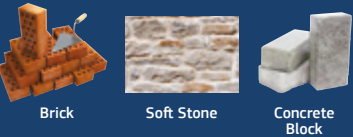
DCXCEL Dry Core Drills - Solid Barrel

Code	Diameter	Length	Each
A11LC22US	22	400	£97.13
A11LC28US	28	400	£112.41
A11LC32US	32	400	£122.33
A11LC38US	38	165	£79.35
A11LC52US	52	165	£95.64
A11LC65US	65	165	£106.22
A11LC107US	107	165	£130.60
A11LC117US	117	165	£138.98
A11LC127US	127	165	£144.65
A11LC152US	152	165	£155.38
A11LC162US	162	165	£159.64
A11LC182US	182	165	£186.85

The Laser welded castellated segment on the DCXCEL range of professional dry core drills offer the user a faster drilling experience due to the high diamond grit concentration within the segments. \*Solid barrel dry core drills should only be used with an adequate dust extraction system; core drills used in this way can drill in excess of 300% faster than their slotted equivalents. Mexco dry core drills should be used in conjunction with a minimum 850W+ drill motor fitted with a slipping clutch.



Mexco Core Drill  
product Packaging



Applications:

- Soft / Medium Facing Brick,
- Concrete Blocks,
- Hard Sandstone,
- Coarse Sandstone,
- Soft Slate,
- Breeze Block,
- Lignacite Blocks

- RECOMMENDED** to cut these materials
- Will cut these materials** with the possibility of reduced lifetime / glazing



The Laser welded castellated segment on the DCXCEL range of professional dry core drills offer the user a faster drilling experience due to the high diamond grit concentration within the segments.

\*Mexco dry core drills should be used in conjunction with a minimum 850W+ drill motor fitted with a slipping clutch.



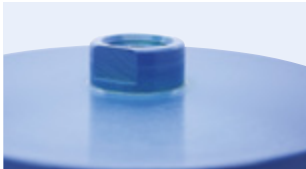
Mexco Core Drill product Packaging



Visit  
[youtube.com/user/MexcoTools](https://youtube.com/user/MexcoTools)



High quality slotted steel barrel



1/2" BSP female fitment



High diamond concentration

### DCXCEL GRADE Dry Core Drills - Slotted Barrel

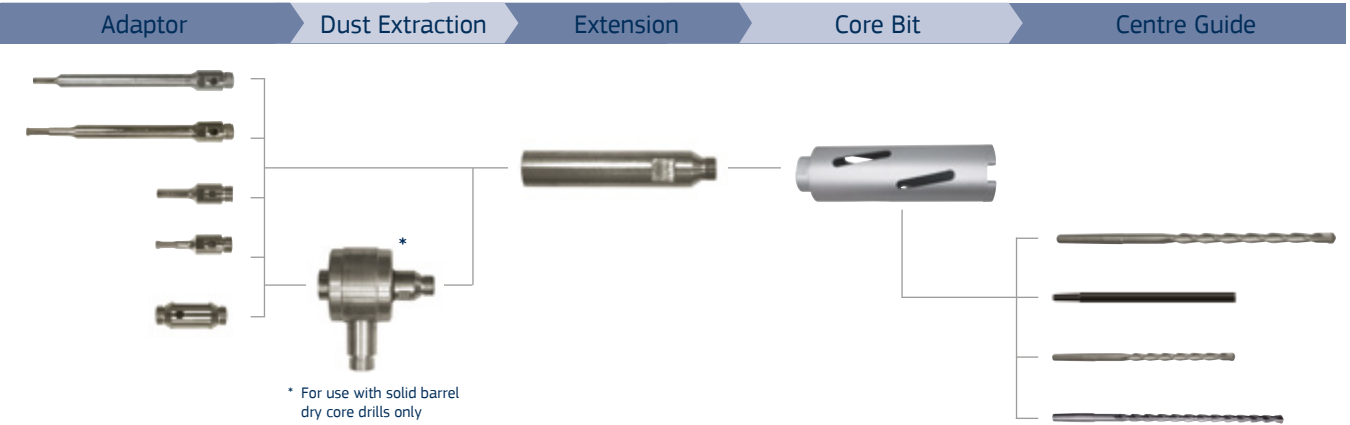
Code	Diameter	Length	Each
A11LC22	22	400	£97.13
A11LC28	28	400	£112.41
A11LC32	32	400	£122.33
A11LC38	38	165	£79.35
A11LC52	52	165	£95.64
A11LC65	65	165	£106.22
A11LC107	107	165	£130.60
A11LC117	117	165	£138.98
A11LC127	127	165	£144.65
A11LC152	152	165	£155.38
A11LC162	162	165	£159.64
A11LC182	182	165	£186.85

#### Applications:

- Soft / Medium Facing Brick,
- Concrete Blocks,
- Hard Sandstone,
- Coarse Sandstone,
- Soft Slate,
- Breeze Block,
- Lignacite Blocks

● **RECOMMENDED**  
to cut these materials

● **Will cut these materials**  
with the possibility of reduced  
lifetime / glazing



Code	Description		Each
A10SDSADA80	SDS CHUCK ADAPTOR -1/2" BSP MALE 80MM		£16.04
A10SDSADA250	SDS CHUCK ADAPTOR -1/2" BSP MALE - 250MM		£27.55
A10HEXADA80	HEX 13MM CHUCK ADAPTOR - 1/2" BSP MALE 80MM		£14.05
A10HEXADA250	HEX 13MM CHUCK ADAPTOR - 1/2" BSP MALE 250MM		£25.35
A10DRKEY	DRIFT KEY		£4.36
A10ATAPER175	10MM X 175MM PILOT DRILL		£9.87
A10ATAPER300	10MM X 300MM PILOT DRILL		£13.99
A10ATAPER465	10MM X 465MM PILOT DRILL		£16.25
MCGUIDEROD	GUIDE ROD 185MM		£7.44
A10HEXPK80	ADAPTOR PACK 13MM HEX FITMENT (INCLUDES: ADAPTOR, A-TAPER 175MM AND DRIFT KEY)		£25.30
A10SDSPK80	ADAPTOR PACK SDS FITMENT (INCLUDES: ADAPTOR, A-TAPER 175MM AND DRIFT KEY)		£27.01
A10HEXPK250	ADAPTOR PACK 13MM HEX FITMENT (INCLUDES: ADAPTOR, A-TAPER 175MM AND DRIFT KEY)		£36.33
A10SDSPK250	ADAPTOR PACK SDS FITMENT (INCLUDES: ADAPTOR, A-TAPER 175MM AND DRIFT KEY)		£36.33
A10150EXT	EXTENSION BAR 150MM LENGTH 1/2" BSP		£22.04
MTOMADA	1/2" BSP MALE - 1/2" BSP MALE		£41.20
FTOFADA	1/2" BSP FEMALE TO 1/2" BSP FEMALE		£41.20
A10EXTTRACTKIT	DUST EXTRACTION UNITS ENABLE FASTER DRILLING WITH LESS DUST AND GIVE INCREASED COOLING OF THE DIAMOND SEGMENTS THUS INCREASING LIFETIME OF THE CORE DRILL. MUST BE USED WITH SUITABLE DUST EXTRACTION DEVICE. 1/2" BSP FEMALE TO 1/2" BSP MALE FITMENT		£108.37

## A guide to wet core drilling

There was a time when the wet core drilling of many materials was out of the reach of the general contractor due to the expensive outlay for specialist machinery and the high cost of consumables.

Over recent years wet core drilling has become more accessible to the general contractor due to the introduction of high powered drill motors and drilling rigs at a more affordable price. This introduction has enabled the drilling of more difficult materials such as granite, heavily reinforced concrete & Flint aggregate concrete. In addition to more affordable machinery the price of wet drilling consumables has also reduced throughout the industry.



### What a wet core drill segment is made of:



Diamond segments consist of a small quantity of industrial diamond grit surrounded by a metal matrix bond, this matrix may include the powders of copper, tin, carbon, iron, silver, cobalt, nickel, and graphite, amongst others. Once the powders are mixed they are loaded into moulds and undergo a hot or cold pressing process forming segments.

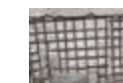
For the best results the manufacture of a diamond segment should match the nature of the material to be drilled as closely as possible. If the material is hard, the bond of the diamond segments should be softer, as the nature of the diamond segment is to become blunt when cutting hard materials. With a softer bonded segment the blunted diamonds and surrounding metal matrix are allowed to be worn away quicker enabling the new sharper diamonds below to be exposed to participate in the drilling. If the material being drilled is relatively soft, the bond should be harder, as in this case the diamonds remain sharper for longer and require release from the matrix a lot slower thus increasing tool longevity.

The size, hardness and concentration of diamond grit contained within a core drill segment can also contribute massively to a core drills performance. For example, when the material to be drilled is soft, the diamond contained within the segment should be of medium grade hardness and large in size. When the material being drilled is of a medium hardness it is beneficial to have a high concentration of larger diamonds. When the material being drilled is hard, the diamond should be of a hard grade and small in size with the concentration being a little lower than in a soft / medium materials segment.

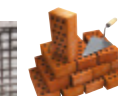
A large proportion of Mexco wet core drills are handmade, this enables us the facility to tailor make wet core drills to your specific requirements. Whether you need longer or shorter barrels, faster cutting, longer life time, aggregate specific segments or just an off the shelf core drill, give us a call and speak to one of our experienced team and we will endeavour to help.



- ▶ Roof Top Segment
- ▶ Universal Reinforced Concrete Segment
- ▶ German Quality Barrels
- ▶ Cuts Flint, River Gravel and Limestone Aggregate Concrete



Reinforced Concrete



Brick



### WCXCEL Professional Wet Core Drills

#### 1/2" BSP Male Fitment

Code	Diameter mm	Length mm	Fitment	Each
A11CD18	18	300	1/2" M	£70.09
A11CD20	20	300	1/2" M	£75.22
A11CD22	22	300	1/2" M	£80.18
A11CD24	24	300	1/2" M	£82.11
A11CD25	25	300	1/2" M	£83.76
A11CD28	28	300	1/2" M	£87.07
A11CD30	30	300	1/2" M	£90.84
A11CD32	32	300	1/2" M	£95.86
A11CD35	35	300	1/2" M	£103.81
A11CD38	38	300	1/2" M	£107.49
A11CD40	40	300	1/2" M	£110.07
A11CD42	42	300	1/2" M	£113.65

#### 1 1/4" UNC Female Fitment

Code	Diameter mm	Length mm	Fitment	Each
A11WC42	42	400	1 1/4" UNC	£98.09
A11WC52	52	400	1 1/4" UNC	£102.50
A11WC65	65	400	1 1/4" UNC	£106.57
A11WC72	72	400	1 1/4" UNC	£114.07
A11WC78	78	400	1 1/4" UNC	£121.46
A11WC86	86	400	1 1/4" UNC	£126.47
A11WC102	102	400	1 1/4" UNC	£145.53
A11WC108	108	400	1 1/4" UNC	£153.93
A11WC112	112	400	1 1/4" UNC	£171.48
A11WC117	117	400	1 1/4" UNC	£190.78
A11WC127	127	400	1 1/4" UNC	£212.71
A11WC132	132	400	1 1/4" UNC	£247.62
A11WC152	152	400	1 1/4" UNC	£262.87
A11WC182	182	400	1 1/4" UNC	£326.50
A11WC200	200	400	1 1/4" UNC	£351.57

#### Wet Core Drill Accessories

Code	Description	Each
A30ADA1	1 1/4" MALE TO 1/2" MALE ADAPTOR	£57.87
A30ADA2	1 1/4" FEMALE TO 1/2" FEMALE ADAPTOR	£57.87
A30EXT200	200MM 1 1/4" UNC EXT BAR	£46.29
A30EXT400	400MM 1 1/4" UNC EXT BAR	£66.13

• Asphalt wet core drills available upon request.



# A guide to drilling ceramic and porcelain

Over recent years the requirement for more effective drilling and cutting tools has been driven by the introduction of increasingly hard decorative wall and floor tiles into the market place. With these challenging ultra hard materials in mind Mexco have produced some of the most effective drilling and cutting tools available.

Due to the quality of the components used and the uncompromised manufacturing process these products offer the user a fast, accurate and cost effective solution to an ever increasing problem without the need to purchase expensive dedicated ceramic, Porcelain and Granite drilling and cutting machines. No more cracked or broken tiles these bits offer fast precise drilling in ceramics, Marble, Terracotta, Granite and Porcelain. Whether you are drilling these materials on a daily basis or just the occasional use Mexco have a range of diamond drills bits, hole saws and diamond blades to suit your needs and budget.



Wax Filled Tile Drill Bit



Vacuum Brazed Drill Bit



Wax Filled Router Finger



## XCEL Range Professional Ultra Hard Material Drill Bit

This range of drill bits offer the user unrivalled performance and cost per cut when drilling the hardest of man made and natural decorative materials.



- For use on:**
- Bathroom Fittings
  - Kitchen Fittings
  - Porcelain
  - Ceramic Tiles
  - Stone Tiles
  - Stone Worktops



Ceramic Tile Granite Porcelain

### Notes



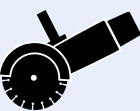
**Top Tip:** Diamond core drills and diamond drill bits mill away at the surface they don't drill. Applying excessive pressure will not make the bit drill faster but will create excessive heat and subsequently reduce the efficiency and life time of the bit.

### SUITABLE FOR USE ON:

CORDED DRILL\*



ANGLE GRINDER\*\*



\*Drill bits with M14 connection require TDXM14HEX chuck adaptor (see page 50)

\*\*Wax Filled Tile Drill Bits with Hex fitting are NOT suitable for use with Angle Grinders. For best results use on a high speed corded drill (1800rpm)

### USEFUL INFORMATION:

The tip of the drill bit will become HOT, please handle with care and wear suitable PPE.

Use on high speed drill (1800rpm) predominately this will be a corded machine not a cordless.

Only use for drilling the tile, not the material behind the tile. Use appropriate drill bit following penetration of tile.

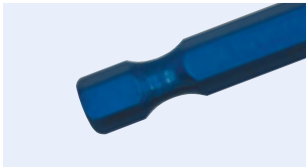


## Wax Filled Tile Drill Bits (Hex Fit)

- **Recommended for:** Corded Drills
- **Tip Type:** Diamond
- **Grade:** XCEL
- **Usage:** Dry



Visit  
[youtube.com/user/MexcoTools](https://youtube.com/user/MexcoTools)



Standard drill hex fit



Diamond tipped



No water required

Code	Diameter	Each	
A10VBDB55	5.5	£24.88	
A10VBDB6	6	£24.88	
A10VBDB7	7	£25.06	
A10VBDB8	8	£25.06	
A10VBDB10	10	£26.66	
A10VBDB12	12	£31.46	
A10VBDPACK	MULTIPACK CONTAINS 1 x 5.5MM, 1 x 6MM, 1 x 7MM AND 1 x 8MM DRILL BIT		£86.84



## Wax Filled Tile Drill Bits (M14 Fit)

- **Recommended for:** Angle Grinder / Corded Drill\*
- **Tip Type:** Diamond
- **Grade:** XCEL
- **Usage:** Dry



\*Drill bits with M14 connection require a M14 to Hex chuck adaptor when being used with a high speed drill (see page 50)

Code	Diameter	Each
TDXCEL6	6	£34.17
TDXCEL8	8	£35.27
TDXCEL10	10	£39.68
TDXCEL12	12	£40.15
TDXCEL14	14	£39.68



M14 thread



No water required

The Mexco Drill Bit Range offers maximum performance and cost per cut when drilling the hardest of man-made and natural decorative materials. No water is required due to a special wax filled core that melts, lubricates and cools when drilling.



Example: Tile Drill Multipack



Ceramic Tiles



Granite



Porcelain

#### Applications:

- Bathroom Fittings
- Kitchen Fittings
- Porcelain
- Ceramic Tiles
- Stone Tiles
- Stone Worktops

● **RECOMMENDED**  
to cut these materials

● **Will cut these materials**  
with the possibility of reduced lifetime / glazing

The Mexco Drill Bit Range offers maximum performance and cost per cut when drilling the hardest of man-made and natural decorative materials.

**SUITABLE FOR USE ON:**

CORDED DRILL\*



ANGLE GRINDER



\*Requires TDXM14HEX chuck adaptor

Supplied to fit M14 thread angle grinders however a HEX adaptor can be used in a three jaw chuck drill.  
For best results use on a high speed corded drill (1800rpm)



**Applications:**

- Bathroom Fittings
- Kitchen Fittings
- Porcelain
- Ceramic Tiles
- Stone Tiles
- Stone Worktops

● **RECOMMENDED**  
to cut these materials

● **Will cut these materials**  
with the possibility of reduced lifetime / glazing

**TDXCEL** Slotted Barrel Tile Drill Bits (M14 Fit)

- ▶ **Recommended for:** Angle Grinder / Corded Drill\*
- ▶ **Tip Type:** Diamond
- ▶ **Grade:** XCEL
- ▶ **Usage:** Dry



Code	Diameter	Each
TDXCEL18	18	£41.61
TDXCEL20	20	£42.58
TDXCEL25	25	£48.76
TDXCEL32	32	£53.43
TDXCEL35	35	£59.53
TDXCEL38	38	£61.72
TDXCEL45	45	£72.12
TDXCEL50	50	£74.24
TDXCEL60	60	£81.91
TDXCEL68	68	£92.48
TDXCEL75	75	£95.31
TDXCEL82	82	£100.60
TDXCEL110	110	£197.28

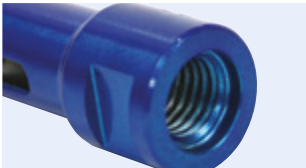
**TDXCEL** Router Finger

Wax-filled router finger allows for milling, chamfering, drilling and expansion cutting in all hard materials such as granite.

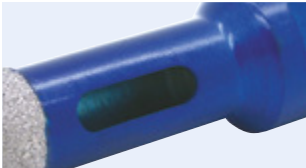


- ▶ **Grade:** XCEL
- ▶ **Usage:** Dry
- ▶ **Recommended for:** Angle Grinder / Corded Drill\*
- ▶ **Tip Type:** Diamond

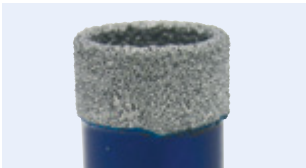
Code	Diameter	Each
TDXCELROUT	20	£76.04



M14 thread



Slotted barrel



Diamond tipped



No water required

**M14 to Hex Adaptor**



Code	Each
TDXM14HEXSET	£12.36

**Plumber's 9pc Bi-Metal Holesaw Set**



Set of Bi-Metal Holesaws all contained within a handy aluminium effect carry case. Common saw sizes to suit the Plumbing professional. Welded seams and heat treated bodies for maximum strength.

**Kit Contents:**

- ▶ 19mm Holesaw
- ▶ 22mm Holesaw
- ▶ 29mm Holesaw
- ▶ 38mm Holesaw
- ▶ 44mm Holesaw
- ▶ 57mm Holesaw
- ▶ plus Adaptors

Code	Description	Each
A10HOLKIT	9 Piece Holesaw Kit	£66.50

**Electrician's 10pc Bi-Metal Holesaw Set**



Set of Bi-Metal Holesaws all contained within a handy aluminium effect carry case. Common saw sizes to suit Electricians. Welded seams and heat treated bodies for maximum strength.

**Kit Contents:**

- ▶ 20mm Holesaw
- ▶ 25mm Holesaw
- ▶ 32mm Holesaw
- ▶ 60mm Holesaw
- ▶ 73mm Holesaw
- ▶ 79mm Holesaw
- ▶ plus Adaptors

Code	Description	Each
A40HOLELECTSET	10 Piece Holesaw Kit	£69.70



Pressurised Water Bottle (10 Litre)

The Mexco pressurised water container provides a mobile wet cutting solution to eliminate dust build up when operating cut-off saws. With up to 3 bar working pressure there is no requirement for an external water source connection. Supplied with a 4 metre hose, dust ingress prevention cover and quick connection coupling.

- ▶ 10 Litre Capacity
- ▶ Heavy Duty Polyethylene Casing
- ▶ Up to 3 bar Operating Pressure
- ▶ 4 Metre Flexi Hose
- ▶ Heavy Duty Recessed Carry Handle
- ▶ Stable Base
- ▶ Steel Piston
- ▶ Built In Water Filter
- ▶ Quick Connector Supplied

SPECIFICATIONS

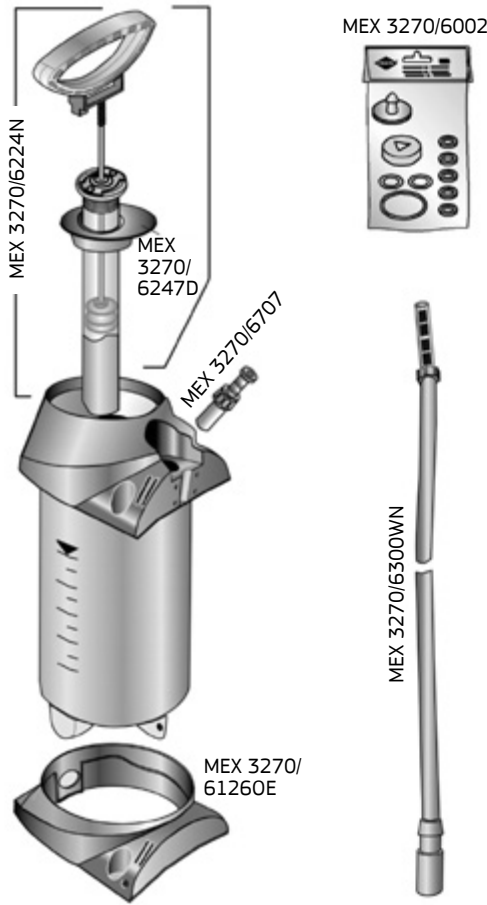
- Max. filling capacity: 10 Litres
- Internal size: 12.5 Litres
- Construction Material: Polyethylene
- Weight when empty: 2.8 kg
- Max. operating temperature: 40°C
- Max. spraying pressure: 3 bar



Code	Description	Each
MEX3270	MEXCO 10 LITRE PRESSURISED WATER CONTAINER	£133.42



Pressurised Water Bottle - Spare Parts



Most of the components that go into making the Mexco 10 Litre Pressurised Water Bottle are available as replacement parts.

Call our sale representatives for genuine Mexco spare parts on 0845 602 4274

Code	Description	Each
MEX3270/6002	SERVICE KIT (INC. O RINGS AND GASKETS)	£26.02
MEX3270/61260E	FOOT RING (BLACK)	£17.46
MEX3270/6224N	HAND PUMP PISTON	£62.50
MEX3270/6247D	FUNNEL COVER	£10.00
MEX3270/6300WN	4 METRE HOSE, INLINE FILTER AND COUPLING	£49.00
MEX3270/6707	PISTON PRESSURE RELEASE CAP	£22.77

Line Marker Paint (750ml)



Specially formulated for stencil, applicator or freehand marking. Suitable for use on playing fields, roads and car parks, warehouses and golf courses. Acrylic based paint providing a hard wearing coverage, available in seven different colours.

- ▶ Improved Formula
- ▶ High Colour Pigment
- ▶ Large 750ml Cans
- ▶ Fast Drying

AVAILABLE COLOURS:

- Black
- Blue
- Red
- Yellow
- Orange
- White
- Green

Code	Description	Each
MEXLINEBK	MEXCO BLACK LINE MARKER PAINT	£7.73
MEXLINERE	MEXCO RED LINE MARKER PAINT	£7.73
MEXLINEOR	MEXCO ORANGE LINE MARKER PAINT	£7.73
MEXLINEGR	MEXCO GREEN LINE MARKER PAINT	£7.73
MEXLINEBL	MEXCO BLUE LINE MARKER PAINT	£7.73
MEXLINEYE	MEXCO YELLOW LINE MARKER PAINT	£7.73
MEXLINEWH	MEXCO WHITE LINE MARKER PAINT	£7.73

One Shot Oil



Mexco One Shot Oil  
Premium Synthetic Formulation

Pre-measured 100ml bottle of premium grade 2 stroke oil, specifically designed to run in mixture lubricated 2 stroke engines.

**50:1 Mix - 100ml**  
One bottle to 1 gallon to give a 50/1 mix.

Code	Description	Each
MEXSHOT	MEXCO TWO STROKE ONE SHOT OIL	£2.58

Lithium EP2 Grease (400g)



Premium quality Lithium Multi-Purpose Grease for use on all Anti-Friction and plain bearings.

The product exhibits good wear characteristics and exceptional mechanical stability; it may be used in both the automotive or industrial sectors, where a grease of this nature is desired.

- ▶ Multi-Purpose Applications
- ▶ Excellent EP Properties
- ▶ Resistance to water wash out
- ▶ Resistance to corrosion

Code	Description	Each
MEXGREASE	LITHIUM EP2 GREASE	£5.92

Reducing Bushes



Diamond blade bushes for the reduction of diamond blade bore diameter to fit smaller spindle machines. When fitting bush please ensure it is fitted securely.

Code	Description	Each
RED20-16	20.00 - 16.00	£5.46
RED22-15	22.23 - 15.00	£5.46
RED22-16	22.23 - 16.00	£5.46
RED22-20	22.23 - 20.00	£5.46
RED25-22	25.40 - 22.23	£5.46
RED25-20	25.40 - 20.00	£5.46
RED31-25	31.75 - 25.40	£5.46

Ask your Area Sales Manager for details of how to sign up for the Mexco online stockist account....

Place orders 24/7 • Check prices and stock availability • Print invoices and statements • View order history • Download POS, Mexco videos and data sheet information • View special offers

Point Of Sale Stands

POS items are available to all Mexco stockists, please contact your account manager for further information.



Code	Description	Each
MEXTDMIX	MEXCO TILE DRILL STAND (MULTI-PACK)	Call for a price



Code	Description	Each
MEXTDSTAND	MEXCO TILE DRILL STAND	Call for a price



Code	Description	Each
MEXTDXSTAND	MEXCO TILE DRILL STAND	Call for a price



Code	Description	Each
MEXPOSSCORE	MEXCO CORE KIT STAND	Call for a price



BLADES

PRODUCT STAND

B

A comprehensive range of MEXCO  
diamond blades.



STOCKLIST

4.5"/115MM BLADES

10	GPX1011522	Concrete
5	UHXCEL11522	Ultra Hard Materials
5	DTXCEL11522	Dual Purpose Turbo
3	MRX9011522	Mortar Raker

9"/230MM BLADES

2	HMXCEL23022	Hard Materials
5	DTXCEL23022	Dual Purpose Turbo
10	GPX1023022	Concrete
6	ABX1023022	Abrasive Materials
5	TPXCEL23022	Tri-Purpose

12"/300MM BLADES

2	HMXCEL30020	Hard Materials
5	DTXCEL30020	Dual Purpose Turbo
10	GPX1030020	Concrete
5	ASX1030020	Asphalt Abrasive
5	TPXCEL30020	Tri-Purpose

Code	Description	Each
MEXSTAND	MEXCO BLADE STAND	Call for a price

CORES

PRODUCT STAND

C

A comprehensive range of MEXCO  
diamond core drills, diamond tile drills  
and accessories.



STOCKLIST

CORE DRILL ADAPTOR PACKS

5	A10HEXPK80	80mm Hex Adaptor Pk
5	A10SDSPK80	80mm SDS Adaptor Pk
5	A10HEXPK250	250mm Hex Adaptor Pk
5	A10SDSPK250	250mm SDS Adaptor Pk
5	A10ATAPER175	200mm ATaper Drill Bit
5	A10150EXT	150mm Extension Bar

DRY CORE DRILLS

3	A10DC22	22mm Dry Core Drill
3	A10DC28	28mm Dry Core Drill
3	A10DC32	32mm Dry Core Drill
5	A10DC38	38mm Dry Core Drill
5	A10DC52	52mm Dry Core Drill
5	A10DC65	65mm Dry Core Drill
5	A10DC78	78mm Dry Core Drill
2	A10DC82	82mm Dry Core Drill
2	A10DC91	91mm Dry Core Drill
2	A10DC102	102mm Dry Core Drill
2	A10DC107	107mm Dry Core Drill
3	A10DC117	117mm Dry Core Drill
3	A10DC127	127mm Dry Core Drill
2	A10DC152	152mm Dry Core Drill
1	A10DC162	162mm Dry Core Drill
1	A10DC182	182mm Dry Core Drill

TILE DRILLS

5	TDXCEL18	18mm Tile Drill Bit
5	TDXCEL25	25mm Tile Drill Bit
5	TDXCEL32	32mm Tile Drill Bit
5	TDXCEL38	38mm Tile Drill Bit
5	TDXM14HEXSET	M14 to Hex Adaptor

Code	Description	Each
MEXSTAND	MEXCO CORE STAND	Call for a price

MIXED

PRODUCT STAND

M

A mixture of MEXCO diamond blades, core drills and accessories.



STOCKLIST

4.5"/115MM BLADES

10	GPX1011522	Concrete
4	UHXCEL11522	Ultra Hard Materials
4	DTXCEL11522	Dual Purpose Turbo
4	MRX9011522	Mortar Raker

9"/230MM BLADES

2	HMXCEL23022	Hard Materials
5	DTXCEL23022	Dual Purpose Turbo
10	GPX1023022	Concrete
2	ABX1023022	Abrasive Materials
5	TPXCEL23022	Tri-Purpose

12"/300MM BLADES

2	HMXCEL30020	Hard Materials
5	DTXCEL30020	Dual Purpose Turbo
10	GPX1030020	Concrete
2	ASX1030020	Asphalt Abrasive
2	TPXCEL30020	Tri-Purpose

DRY CORE DRILLS

3	A10DC38	38mm Dry Core Drill
3	A10DC52	52mm Dry Core Drill
2	A10DC65	65mm Dry Core Drill
2	A10DC117	117mm Dry Core Drill
2	A10DC127	127mm Dry Core Drill

CORE DRILL ADAPTOR PACKS

2	A10HEXPK80	80mm Hex Adaptor Pk
2	A10SDSPK80	80mm SDS Adaptor Pk

Code	Description	Each
MEXSTAND	MEXCO MIXED STAND	Call for a price

PLUMBERS

PRODUCT STAND

P

A comprehensive range of diamond tools widely used by professional plumbers.



STOCKLIST

4.5"/115MM BLADES

5	GPX1011522	Concrete
5	UHXCEL11522	Ultra Hard Materials
5	CMX9011522	Ceramic
5	VBX9011522	Universal

7"/180MM BLADE

5	UHXCEL18025	Ultra Hard Materials
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DRY CORE DRILLS

4	A10DC32	32mm Dry Core Drill
5	A10DC38	38mm Dry Core Drill
5	A10DC52	52mm Dry Core Drill
4	A10DC65	65mm Dry Core Drill
4	A10DC78	78mm Dry Core Drill
4	A10DC82	82mm Dry Core Drill
2	A10DC107	107mm Dry Core Drill
2	A10DC117	117mm Dry Core Drill
2	A10DC127	127mm Dry Core Drill
2	A10DC152	152mm Dry Core Drill
1	A10DCDKIT37	7 Pc Dry Core Drill Kit

CORE DRILL ADAPTOR PACKS

2	A10HEXPK80	80mm Hex Adaptor Pk
2	A10SDSPK80	80mm SDS Adaptor Pk
2	A10HEXPK250	250mm Hex Adaptor Pk
2	A10SDSPK250	250mm SDS Adaptor Pk
2	A10EXT150	200mm Extension Bar

TILE DRILLS

1	MEXTDSTAND	Tile Drill Display Stand
3	A10VBDB55	5.5mm Tile Drill Bit
3	A10VBDB6	6mm Tile Drill Bit
3	A10VBDB7	7mm Tile Drill Bit
3	A10VBDB8	8mm Tile Drill Bit
3	A10VBDB10	10mm Tile Drill Bit
3	TDXCEL18	18mm Tile Drill Bit
3	TDXCEL25	25mm Tile Drill Bit
3	TDXCEL32	32mm Tile Drill Bit
3	TDXCEL38	38mm Tile Drill Bit
3	TDXCEL45	45mm Tile Drill Bit
2	TDXCELROUT	20mm Router Finger
2	TDXM14HEXSET	M14 to Hex Adaptor

Code	Description	Each
MEXSTAND	MEXCO PLUMBERS STAND	Call for a price



Most common issues occur as a result of the following:

- Incorrect matching of diamond blade to cutting application
- Incorrect use of diamond blade
- Machinery fatigue, wear or faults
- Mishandling of product in transit

## Slow/Decreased Cutting Speed

Possible Causes:

- Check diamond blade rotational arrow against machine direction.
- If the segment becomes smooth it can be redressed by running the segments through an abrasive material i.e. Lightweight concrete block or concrete roof tile.
- Check that the blade application is correct for the material being cut.
- Check for correct tensioning of machine belts.
- The machine being used may have insufficient power.

## Increased or Abnormal Segment Wear

Possible Causes:

- Incorrect blade specification chosen for material application, a harder bonded specification may be required.
- Inadequate water supply.
- Excessive speed of rotation.
- Worn machine bearings causing blade centre to lose shape.

## Uneven Segment Wear

Possible Causes:

- Improper use by machine operator, blade being used as grinding or smoothing tool.
- Excessive pressure being applied by operator.
- Blade incorrectly mounted on shaft, Worn or damaged machine bearings, or worn shaft.

## Segment Under Cutting

(In the event of visible under cutting of segment the user should stop using immediately)

Possible Causes:

- Over cutting into the sub base where the constant abrasive rubbing of loose material can have an adverse effect on the steel centre. By reducing the depth of cut the wear will be reduced.
- Insufficient water supply, by increasing water supply aiding slurry removal will reduce the effects of undercutting.
- Loss of undercutting protection.

## Segment Cracks

(In the event of segment cracks the user should stop using immediately)

Possible Causes:

- The segment is too hard for the material being cut causing a hammering or bouncing action when in use.
- Cutting speed is too fast.

## Vibration of Blade

(In the event of blade vibration the user should stop using immediately)

Possible Causes:

- Worn/damaged shaft or grooved spindle mounting adaptor.
- Damaged/worn machine bearings or shaft.
- Worn or damaged arbor hole.
- Blade incorrectly mounted.
- Damaged diamond blade.
- See loss of tension.

## Segment Loss

(In the event of segment loss the user should stop using immediately)

Possible Causes:

- The segment is too hard for the material being cut causing a hammering or bouncing action when in use.
- Overheating of segment and steel centre caused by inadequate irrigation or cooling periods, this is usually diagnosable by the bluish discolouration of steel centre.
- The machine twisted, turned, forced or subjected to lateral forces whilst in the cut. Blade jolt from material not being held rigidly.
- Incorrect mounting, worn spindle causing ovalised effect.
- Reduced blade support as a result of Worn or damaged flanges.
- See undercutting.

## Steel Centre Cracking

(In the event of steel centre cracking the user should stop using immediately)

Possible Causes:

- The segment is too hard for the material being cut causing a hammering or bouncing action when in use.
- The machine twisted, turned, forced or subjected to lateral forces whilst in the cut. Blade jolt from material not being held rigidly.
- Blade incorrectly mounted on shaft, Worn or damaged machine bearings, or worn shaft.
- Inadequate cooling processes.
- Excessive speed of rotation.

## Loss of Tension in Steel Centre

(In the event of tension loss the user should stop using immediately)

Possible Causes:

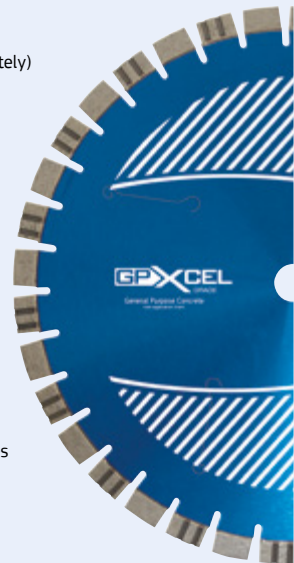
- The segment is too hard for the material being cut.
- Machine not running at the correct rpm.
- Worn or unsecured flanges causing slippage of steel centre.
- Damaged/worn machine bearings or shafts producing lateral stresses on steel centre.
- Blade poorly aligned when mounted on saw.

## Out Of Round Blade

(In the event of blade becoming out of round the user should stop using immediately)

Possible Causes:

- The segment is too hard for the material being cut causing a hammering or bouncing action and wearing disc out of round.
- Damaged/worn machine bearings.
- Worn/damaged shaft or grooved spindle mounting adaptor.
- Blade incorrectly mounted.



Most common issues occur as a result of the following:

- Diamond drilling in hammer mode
- Using an incorrect drill motor for diamond drilling
- Incorrect matching of core drill to drilling application
- Machine fatigue, wear or faults
- Mishandling of product in transit and storage

## Slow/Decreased Drilling Speed

Possible Causes:

- The segment does not match the material application being drilled.
- If the segment becomes smooth it can be redressed by running the segments through an abrasive material i.e. Lightweight concrete block or concrete roof tile.
- Excessive speed of rotation.
- The drill motor being used is under powered in relation to the size of core drill being used.

## Cracking of Core Drill Barrel

(In the event of barrel fatigue the user should stop using immediately)

Possible Causes:

- Core drill being used on hammer action.
- Lateral twisting in cut.

## Segment Loss

(In the event of segment loss the user should stop using immediately)

Possible Causes:

- The segment is too hard for the material being cut causing a hammering or bouncing action when in use.
- Core drill being used on hammer action.
- Snagging of wall tie.
- Twisting in cut.
- Overheating as a result of lack of cooling.
- No slipping clutch on drill motor.
- Impact from dropping, mishandling or damaged in transit.

## Jamming of Core Drill

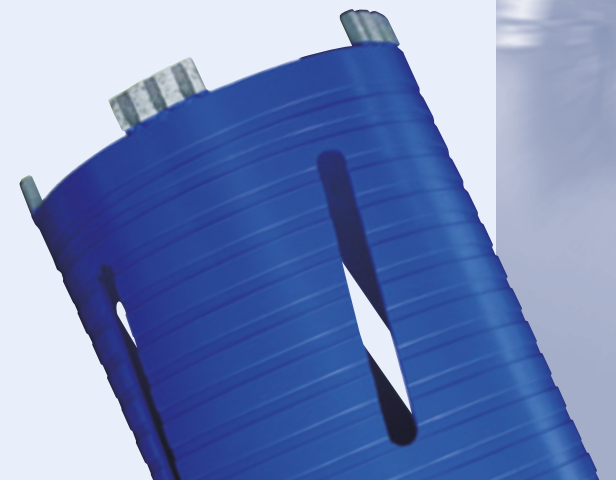
Possible Causes:

- The segment is too hard for the material being cut.
- Insufficient removal of waste from cut.
- Insufficient motor power.
- Damaged out of round barrel.

## Deformed Segment/s

Possible Causes:

- Core drill being used on hammer action.
- Too much pressure being applied when drilling.
- The segment is too hard for the material being cut.





Unit 1, Carminow Road Industrial Estate,  
Bodmin, Cornwall, PL31 1EP

Tel: 0845 602 4274  
Fax: 0845 602 4275

Email: [sales@mexco.co.uk](mailto:sales@mexco.co.uk)  
Web: [www.mexco.co.uk](http://www.mexco.co.uk)