



EXTREMECUT

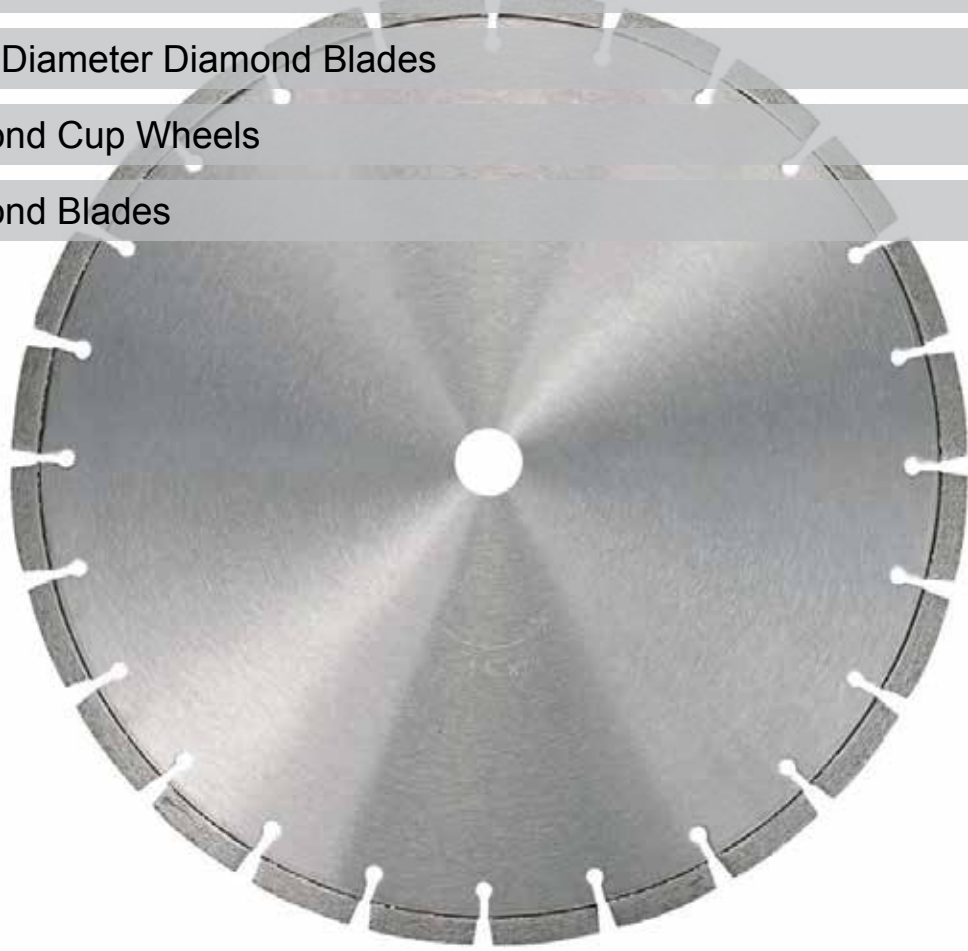
DIAMOND PRODUCTS

REFERENCE & APPLICATION GUIDE

Small Diameter Diamond Blades

Diamond Cup Wheels

Diamond Blades



EASY WAYS TO PLACE AN ORDER

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DIAMOND TOOLS

Extreme Abrasives offers a wide range of diamond tools designed to meet the vast demands of professionals working on materials such as cement, asphalt, granite, and ceramics. The range of diamond tools includes diamond discs, diamond core bits, and diamond grinding cup wheels.



DIAMOND DISCS

Diamond discs are extremely versatile and are manufactured with the best techniques which are ideal for the building industry.

These discs are especially noted for the characteristics of their diamond segments which have been designed for specific applications.

The segments are laser-welded to the steel core through heating from a laser device. The turbo and smooth continuous rim discs are oven-welded to the steel core. This process is used instead of laser device process to ensure superior quality.



LASER
WELDED
SEGMENTS



TURBO
RIM



CONTINUOUS
RIM

DIAMOND GRINDING CUP WHEELS

Cup wheels are generally used in the building industry to polish and remove cement. These wheels are also used to remove unwanted glue and other residues adhering to surfaces. The individual segments arranged on separate twin rims provide greater durability and improved efficiency and effectiveness. The segments are braze-welded to the wheel core using a silver-based wire welding process. These diamond cup wheels can be used for both dry and wet applications.



DIAMOND CORE BITS

Diamond core bits are designed for all plumbing, piping installation, and HVAC applications where coring reinforced concrete is required. These products are supplied on a 450mm cylindrical tube and 1-1/4 UNC or standard BR 1/2 connection ends. The segments are welded to the rim using a silver-based wire method. The diamond core bits are only to be used for wet cutting.



RECOMMENDATIONS AND PRATICAL ADVICE







DIAMOND DISCS AND CUP WHEELS

- Observe the safety rules indicated by the pictograms, as described in the following table.
- Use the appropriate rotation speed and never exceed the maximum speed indicated on the disc.
- Ensure that the arrow printed on the disc matches the actual direction of rotation of the machine.
- Never use the disc for operations other than those explicitly indicated.
- Ensure that products specified for wet cutting only are never used dry.
- Clean the flanges before installation.
- Select the appropriate disc based on the material to be cut and the machine tool used, checking also the size of the arbour.
- Always cut in a straight line, keeping the appropriate disc angle to prevent the disc from breaking and/or the detachment of segments.
- When mounting the disc, ensure that it is correctly centred on the machine arbour (max. deviation 0.15 mm) to prevent early wear and detachment of segments.
- Ensure that all components are mounted correctly and use materials in good conditions.
- Do not apply additional pressure. The weight of the machine is sufficient.
- For harder materials, it is advisable to execute the cut by performing a slight swinging action with the tool in the direction of the cut.
- If the disc loses its cutting power, sharpen it by performing a few cuts on a suitable abrasive material.
- Handle the products with care and keep them in a dry location without significant temperature changes.
- Let the disc cool properly. Stop for 10 seconds every 2 minutes.

DIAMOND CORE BITS

- Select the product based on the material and the machine. Always ensure that the core bit is properly installed and secured.
- If the core bit loses its cutting power, sharpen it by coring a suitable abrasive material or redress the bit with a tool dresser.
- Core bits must be used only on electrical portable or stationary corers and only for wet cutting. Ensure that an abundant flow of water is provided on the cutting face.
- Never exceed the stated speed of rotation.
- Never use the product for operations other than those explicitly indicated.
- Ensure that products specified for wet cutting only are never used dry.
- Do not use on wood, plastic or fibrous materials.
- Use a motor with mechanical or electronic gearing and fixed stand.
- For core bits with diameter from 42 to 127 mm, use a 1600 to 200 W, variable speed, no-hammer coring tool.
- For core bits with diameter from 132 to 200 mm, use a coring tool with power over 3000 W.
- Check that the machine stands are properly secured and fastened to prevent oscillations.
- To ensure safety and prevent dangerous accidents, the chuck must be perfectly centred and aligned.
- For a better performance during coring, and if the bit should enter in contact with significant steel reinforcements or grid irons, reduce the rotation speed and increase the pressure on the bit. This will allow the diamond contained in the segments to be released and surface.
- After use, ensure that the bit is empty and no cement core residues are left inside it. If necessary, gently tap the bit with an iron bar, keeping it vertically, and let the core residues fall by the action of gravity and water pressure.
- Ensure that the piece is properly mounted and in good conditions.
- Handle and store the products with care and keep them in a dry location without significant temperature changes.

FOR OPERATOR SAFETY

 Follow ANSI and OSHA regulations	 Wear a dust mask	 Wear safety gloves
 Wear safety glasses and ear muffs	 Do not exceed operating speed	 Read instructions



SMALL DIAMETER DIAMOND BLADES

DRY CUTTING, HIGH PERFORMANCE GENERAL PURPOSE SEGMENTED BLADES

Recommended use on:	Concrete	Brick	Asphalt	Paving stones
	Block			
Item #	Description		Size (Inches)	Qty Pkg
DB0101	GENERAL PURPOSE SEGMENTED BLADES		4 X .080 X 7/8, 5/8, 8.5mm	1
DB0102	GENERAL PURPOSE SEGMENTED BLADES		4-1/2 X .080 X 7/8, 5/8, 8.5mm	1
DB0103	GENERAL PURPOSE SEGMENTED BLADES		5 X .080 X 7/8, 5/8, 8.5mm	1
DB0104	GENERAL PURPOSE SEGMENTED BLADES		7 X .080 X DIA7/8, 5/8, 8.5mm	1
DB0105	GENERAL PURPOSE SEGMENTED BLADES		8 X .080 X DIA7/8, 5/8, 8.5mm	1



SMALL DIAMETER DIAMOND BLADES

DRY CUTTING, PREMIUM GENERAL PURPOSE SEGMENTED BLADES

Recommended use on:	Concrete	Brick	Asphalt	Paving stones
	Block			
Item #	Description		Size (Inches)	Qty Pkg
DB0201	GENERAL PURPOSE SEGMENTED BLADES		4X.070X7/8, 5/8, 10mm	1
DB0202	GENERAL PURPOSE SEGMENTED BLADES		4-1/2X.070X7/8, 5/8, 10mm	1
DB0203	GENERAL PURPOSE SEGMENTED BLADES		5 X .070 X 7/8, 5/8, 10mm	1
DB0204	GENERAL PURPOSE SEGMENTED BLADES		7 X .090 X 7/8, 5/8, 10mm	1
DB0205	GENERAL PURPOSE SEGMENTED BLADES		8 X .090 X 7/8, 5/8, 10mm	1



SMALL DIAMETER DIAMOND BLADES

DRY CUTTING, HIGH PERFORMANCE GENERAL PURPOSE TURBO BLADES
CONTINUOUS RIM CUTS FASTER

Recommended use on:	Concrete	Brick	Block	Paving stones
	Asphalt			
Item #	Description		Size (Inches)	Qty Pkg
DB0301	GENERAL PURPOSE TURBO BLADES		4 X .080 X 7/8, 5/8, 10mm	1
DB0302	GENERAL PURPOSE TURBO BLADES		4-1/2 X .080 X 7/8, 5/8, 10mm	1
DB0303	GENERAL PURPOSE TURBO BLADES		5 X .085 X 7/8, 5/8, 10mm	1
DB0304	GENERAL PURPOSE TURBO BLADES		6 X .085 X 7/8, 5/8, 10mm	1
DB0305	GENERAL PURPOSE TURBO BLADES		7 X .095 X 7/8, 5/8, 10mm	1



SMALL DIAMETER DIAMOND BLADES

DRY CUTTING, PREMIUM GENERAL PURPOSE TURBO BLADES
CONTINUOUS RIM CUTS FASTER

Recommended use on:	Concrete	Brick	Block	Paving stones
	Asphalt			
Item #	Description		Size (Inches)	Qty Pkg
DB0401	GENERAL PURPOSE TURBO BLADES		4X.070X7/8, 5/8, 10mm	1
DB0402	GENERAL PURPOSE TURBO BLADES		4-1/2 X .070 X 7/8, 5/8, 10mm	1
DB0403	GENERAL PURPOSE TURBO BLADES		5 X .080 X 7/8, 5/8, 10mm	1
DB0404	GENERAL PURPOSE TURBO BLADES		6 X .085 X 7/8, 5/8, 10mm	1
DB0405	GENERAL PURPOSE TURBO BLADES		7X.095X7/8, 5/8, 10mm	1



SMALL DIAMETER DIAMOND BLADES

DRY CUTTING, HIGH PERFORMANCE GENERAL PURPOSE TURBO BLADES FOR HARD MATERIALS

Recommended use on:	Granite	Marble	Very hard materials	
Item #	Description		Size (Inches)	Qty Pkg
DB0501	TURBO BLADES FOR HARD MATERIALS		4 X .060 X 7/8, 5/8, 8mm	1
DB0502	TURBO BLADES FOR HARD MATERIALS		4-1/2 X .070 X 7/8, 5/8, 8mm	1
DB0503	TURBO BLADES FOR HARD MATERIALS		5 X .070 X 7/8, 5/8, 8mm	1
DB0504	TURBO BLADES FOR HARD MATERIALS		7 X .090 X 7/8, 5/8, 8mm	1



SMALL DIAMETER DIAMOND BLADES

DRY OR WET CUTTING, PREMIUM CONTINUOUS RIM

Recommended use on:	Gas Concrete/AAC			
Item #	Description		Size (Inches)	Qty Pkg
DB0601	PREMIUM CONTINUOUS RIM		4-1/2 X.060 X 7/8, 5/8, 7mm	1
DB0602	PREMIUM CONTINUOUS RIM		5 X .060 X 7/8, 5/8, 7mm	1
DB0603	PREMIUM CONTINUOUS RIM		7 X .060 X 7/8, 5/8, 7mm	1
DB0604	PREMIUM CONTINUOUS RIM		8 X .060 X 5/8, 20mm, 7mm	1
DB0605	PREMIUM CONTINUOUS RIM		10 X .060 X 5/8, 7mm	1
DB0606	PREMIUM CONTINUOUS RIM		12 X .080 X 1, 10mm	1





SMALL DIAMETER DIAMOND BLADES

DRY CUTTING, HIGH PERFORMANCE TUCK POINTING BLADES
LONGER LASTING, DESIGNED FOR FAST REMOVAL OF MORTAR IN JOINTS.

Recommended use on:	Mortar joints			
Item #	Description	Size (Inches)	Qty	Pkg
DB0701	TUCK POINTING BLADES	4-1/2 X .250 X 7/8, 5/8, 10mm	1	
DB0702	TUCK POINTING BLADES	5 X .250 X 7/8, 5/8, 10mm	1	

SMALL DIAMETER DIAMOND BLADES

DRY CUTTING, PREMIUM TUCK POINTING BLADES
DESIGNED FOR FAST REMOVAL OF MORTAR IN JOINTS.

Recommended use on:	Mortar joints			
Item #	Description	Size (Inches)	Qty	Pkg
DB0801	TUCK POINTING BLADES	4 X .250 X 7/8, 5/8, 10mm	1	
DB0802	TUCK POINTING BLADES	4-1/2 X .250 X 7/8, 5/8, 10mm	1	
DB0803	TUCK POINTING BLADES	5 X .250 X 7/8, 5/8, 10mm	1	
DB0804	TUCK POINTING BLADES	7 X .250 X 7/8, 5/8, 10mm	1	



SMALL DIAMETER DIAMOND BLADES

DRY CUTTING, PREMIUM TUCK POINTING SANDWICH TYPE BLADES
SANDWICH TYPE TUCK POINT OFFERS FASTER REMOVAL OF MORTAR IN JOINTS.

Recommended use on:	Mortar joints			
Item #	Description	Size (Inches)	Qty	Pkg
DB0901	TUCK POINTING SANDWICH TYPE BLADES	4 X .250 X 7/8, 5/8, 10mm	1	
DB0902	TUCK POINTING SANDWICH TYPE BLADES	4-1/2 X .250 X 7/8, 5/8, 10mm	1	
DB0903	TUCK POINTING SANDWICH TYPE BLADES	5 X .250 X 7/8, 5/8, 10mm	1	



SMALL DIAMETER DIAMOND BLADES

PREMIUM V-SHAPED CRACK CHASER BLADES
"V" SHAPED SEGMENTS MAKES IT EASIER TO GET IN BETWEEN THE JOINTS.

Recommended use on:	Mortar joints			
Item #	Description	Size (Inches)	Qty	Pkg
DB1001	V-SHAPED CRACK CHASER BLADES	4-1/2 X .375 X 7/8	1	





DIAMOND CUP WHEELS

HIGH PERFORMANCE SINGLE ROW DIAMOND CUP WHEELS
GENERAL PURPOSE

Recommended use on:	Concrete	Brick	Block	Precast materials
	Stone	Masonry surfaces		
Item #	Description		Size (Inches)	Qty Pkg
DCW101	SINGLE ROW DIAMOND CUP WHEELS		4 X 7/8, 5/8, 20mm SINGLE ROW	1
DCW102	SINGLE ROW DIAMOND CUP WHEELS		4 X 5/8-11 SINGLE ROW	1
DCW103	SINGLE ROW DIAMOND CUP WHEELS		4.5 X 7/8 SINGLE ROW	1
DCW104	SINGLE ROW DIAMOND CUP WHEELS		4.5 X 5/8-11 SINGLE ROW	1
DCW105	SINGLE ROW DIAMOND CUP WHEELS		5 X 7/8 SINGLE ROW	1
DCW106	SINGLE ROW DIAMOND CUP WHEELS		5 X 5/8-11 SINGLE ROW	1
DCW107	SINGLE ROW DIAMOND CUP WHEELS		7 X 7/8 SINGLE ROW	1
DCW108	SINGLE ROW DIAMOND CUP WHEELS		7 X 5/8-11 SINGLE ROW	1



DIAMOND CUP WHEELS

HIGH PERFORMANCE DOUBLE ROW DIAMOND CUP WHEELS
GENERAL PURPOSE

Recommended use on:	Concrete	Brick	Block	Precast materials
	Stone	Masonry surfaces		
Item #	Description		Size (Inches)	Qty Pkg
DCW201	DOUBLE ROW DIAMOND CUP WHEELS		4 X 7/8 DOUBLE ROW	1
DCW202	DOUBLE ROW DIAMOND CUP WHEELS		4 X 5/8-11 DOUBLE ROW	1
DCW203	DOUBLE ROW DIAMOND CUP WHEELS		4.5 X 7/8 DOUBLE ROW	1
DCW204	DOUBLE ROW DIAMOND CUP WHEELS		4.5 X 5/8-11 DOUBLE ROW	1
DCW205	DOUBLE ROW DIAMOND CUP WHEELS		5 X 7/8 DOUBLE ROW	1
DCW206	DOUBLE ROW DIAMOND CUP WHEELS		5 X 5/8-11 DOUBLE ROW	1
DCW207	DOUBLE ROW DIAMOND CUP WHEELS		7 X 7/8 DOUBLE ROW	1
DCW208	DOUBLE ROW DIAMOND CUP WHEELS		7 X 5/8-11 DOUBLE ROW	1





DIAMOND CUP WHEELS

PREMIUM DOUBLE ROW DIAMOND CUP WHEELS GENERAL PURPOSE

Recommended use on:	Concrete	Brick	Block	Precast materials
	Stone	Masonry surfaces		
Item #	Description		Size (Inches)	Qty Pkg
DCW301	DOUBLE ROW DIAMOND CUP WHEELS		4 X 7/8 DOUBLE ROW	1
DCW302	DOUBLE ROW DIAMOND CUP WHEELS		4 X 5/8-11 DOUBLE ROW	1
DCW303	DOUBLE ROW DIAMOND CUP WHEELS		4.5 X 7/8 DOUBLE ROW	1
DCW304	DOUBLE ROW DIAMOND CUP WHEELS		4.5 X 5/8-11 DOUBLE ROW	1
DCW305	DOUBLE ROW DIAMOND CUP WHEELS		5 X 7/8 DOUBLE ROW	1
DCW306	DOUBLE ROW DIAMOND CUP WHEELS		5 X 5/8-11 DOUBLE ROW	1
DCW307	DOUBLE ROW DIAMOND CUP WHEELS		7 X 7/8 DOUBLE ROW	1
DCW308	DOUBLE ROW DIAMOND CUP WHEELS		7 X 5/8-11 DOUBLE ROW	1



DIAMOND CUP WHEELS

HIGH PERFORMANCE SEGMENTED DIAMOND CUP WHEELS GENERAL PURPOSE, FASTER REMOVAL

Recommended use on:	Concrete	Brick	Block	Precast materials
	Stone	Masonry surfaces		
Item #	Description		Size (Inches)	Qty Pkg
DCW401	SEGMENTED DIAMOND CUP WHEELS		4 X 7/8, 9 SEGS	1
DCW402	SEGMENTED DIAMOND CUP WHEELS		4 X 5/8-11, 9 SEGS	1
DCW403	SEGMENTED DIAMOND CUP WHEELS		4 X 7/8, 15 SEGS	1
DCW404	SEGMENTED DIAMOND CUP WHEELS		4 X 5/8-11, 15 SEGS	1
DCW405	SEGMENTED DIAMOND CUP WHEELS		4 X 7/8, 18 SEGS	1
DCW406	SEGMENTED DIAMOND CUP WHEELS		4 X 5/8-11, 18 SEGS	1
DCW407	SEGMENTED DIAMOND CUP WHEELS		4.5 X 7/8, 9 SEGS	1
DCW408	SEGMENTED DIAMOND CUP WHEELS		4.5 X 5/8-11, 9 SEGS	1
DCW409	SEGMENTED DIAMOND CUP WHEELS		4.5 X 7/8, 10 SEGS	1
DCW410	SEGMENTED DIAMOND CUP WHEELS		4.5 X 5/8-11, 10 SEGS	1
DCW411	SEGMENTED DIAMOND CUP WHEELS		4.5 X 7/8, 15 SEGS	1
DCW412	SEGMENTED DIAMOND CUP WHEELS		4.5 X 5/8-11, 15 SEGS	1
DCW413	SEGMENTED DIAMOND CUP WHEELS		4.5 X 7/8, 18 SEGS	1
DCW414	SEGMENTED DIAMOND CUP WHEELS		4.5 X 5/8-11, 18 SEGS	1
DCW415	SEGMENTED DIAMOND CUP WHEELS		5 X 5/8-11, 18 SEGS	1
DCW416	SEGMENTED DIAMOND CUP WHEELS		7 X 7/8, 12 SEGS	1
DCW417	SEGMENTED DIAMOND CUP WHEELS		7 X 5/8-11, 12 SEGS	1
DCW418	SEGMENTED DIAMOND CUP WHEELS		7 X 7/8, 24 SEGS	1
DCW419	SEGMENTED DIAMOND CUP WHEELS		7 X 5/8-11, 24 SEGS	1





DIAMOND BLADES

ECONOMY SEGMENTED DIAMOND BLADES
HIGH SPEED, GREAT FOR SMALL JOBS.

Recommended use on:	Concrete	Paving stones		
Item #	Description		Size (Inches)	Qty Pkg
DB1101	ECONOMY SEGMENTED DIAMOND BLADES		12 X .110 X 1, 20mm, 10mm	1
DB1102	ECONOMY SEGMENTED DIAMOND BLADES		12 X .110 X 20mm, 10mm	1
DB1103	ECONOMY SEGMENTED DIAMOND BLADES		14 X .125 X 1, 20mm, 10mm	1
DB1104	ECONOMY SEGMENTED DIAMOND BLADES		14 X .125 X 20mm, 10mm	1



DIAMOND BLADES

DRY CUTTING, HIGH PERFORMANCE SEGMENTED DIAMOND BLADES CONCRETE
HEAVY DUTY, HIGH SPEED, GENERAL PURPOSE

Recommended use on:	Concrete	Paving stones	Concrete pipe	Block
Item #	Description		Size (Inches)	Qty Pkg
DB1201	SEGMENTED DIAMOND BLADES CONCRETE		12 X .125 X1, 10mm	1
DB1202	SEGMENTED DIAMOND BLADES CONCRETE		12 X .125 X 20mm, 10mm	1
DB1203	SEGMENTED DIAMOND BLADES CONCRETE		14 X .125 X 1, 10mm	1
DB1204	SEGMENTED DIAMOND BLADES CONCRETE		14 X .125 X 20mm, 10mm	1
DB1205	SEGMENTED DIAMOND BLADES CONCRETE		16 X .125 X 1, 10mm	1
DB1206	SEGMENTED DIAMOND BLADES CONCRETE		18 X .142 X 1, 10mm	1

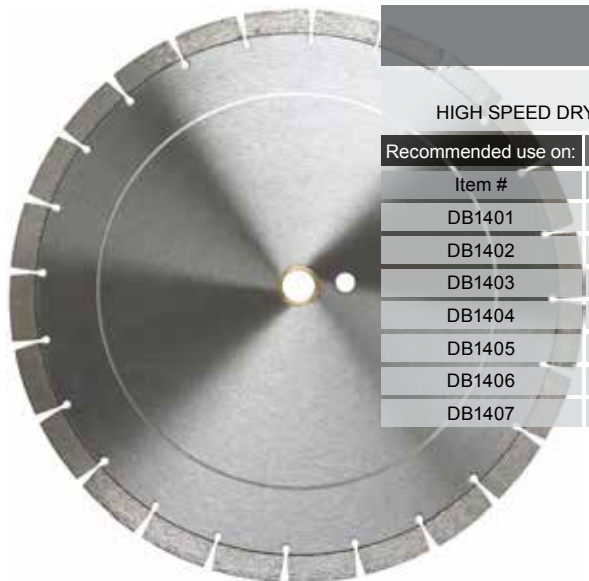


DIAMOND BLADES

DRY CUTTING, HIGH PERFORMANCE SEGMENTED DIAMOND BLADES ASPHALT
HIGH SPEED FOR WET OR DRY CUTTING OF ASPHALT AND ABRASIVE TYPES OF CONCRETE BLOCKS

Recommended use on:	Asphalt	Green concrete		
Item #	Description		Size (Inches)	Qty Pkg
DB1301	SEGMENTED DIAMOND BLADES ASPHALT		12 X .125 X 1, 20mm, 10mm	1
DB1302	SEGMENTED DIAMOND BLADES ASPHALT		14 X .125 X 1, 20mm, 10mm	1





DIAMOND BLADES

HIGH PERFORMANCE SEGMENTED DIAMOND BLADES
HIGH SPEED DRY OR WET ASPHALT AND AND ABRASIVE TYPES OF CONCRETE BLOCKS CUTTING

Recommended use on:	Asphalt	Green concrete	Concrete blocks	
Item #	Description		Size (Inches)	Qty Pkg
DB1401	SEGMENTED DIAMOND BLADES		12 X .125 X 1, 20mm, 10mm	1
DB1402	SEGMENTED DIAMOND BLADES		12 X .125 X 20mm, 10mm	1
DB1403	SEGMENTED DIAMOND BLADES		14 X .125 X 1, 20mm, 10mm	1
DB1404	SEGMENTED DIAMOND BLADES		14 X .125 X 20mm, 10mm	1
DB1405	SEGMENTED DIAMOND BLADES		16 X .125 X1, 20mm, 10mm	1
DB1406	SEGMENTED DIAMOND BLADES		18 X .142 X 1, 20mm, 10mm	1
DB1407	SEGMENTED DIAMOND BLADES		20 X .155 X1, 20mm, 10mm	1



DIAMOND BLADES

HIGH PERFORMANCE HIGH SPEED DUAL SEGMENTED DIAMOND BLADES
FOR CUTTING CONCRETE OR ASPHALT AND HARD MATERIALS LIKE STONE

Recommended use on:	Concrete	Asphalt	Stone	
Item #	Description		Size (Inches)	Qty Pkg
DB1501	DUAL SEGMENTED DIAMOND BLADES		12 X .125 X 1, 10mm	1
DB1502	DUAL SEGMENTED DIAMOND BLADES		14 X .125 X 1, 10mm	1
DB1503	DUAL SEGMENTED DIAMOND BLADES		16 X .125 X 1, 10mm	1
DB1504	DUAL SEGMENTED DIAMOND BLADES		18 X .142 X 1, 20mm, 10mm	1
DB1505	DUAL SEGMENTED DIAMOND BLADES		18 X .142 X 1, 20mm, 10mm	1



DIAMOND PRODUCTS



EXTREME TOUGHNESS