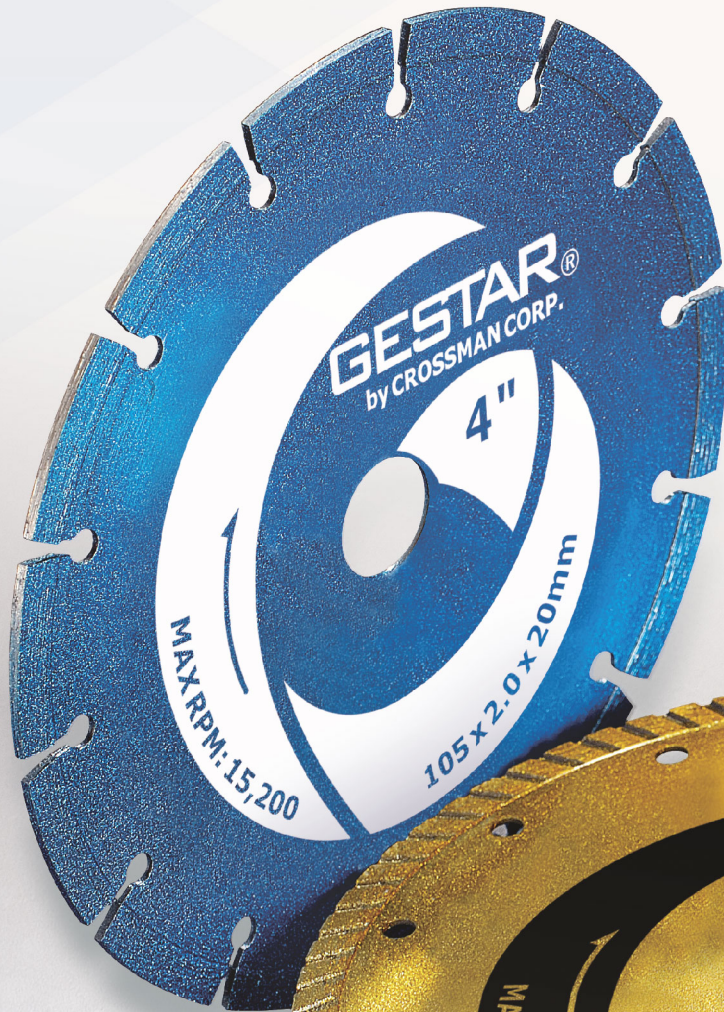





GESTAR®

The Solution!



DIAMOND WHEEL

Cutting Wheel / Grinding Wheel



Important usage information

Always Do

- Read the safety instruction before you use products (diamond wheels or core bits).
- Wear appropriate personal protective equipment (safety goggles, hearing protection) at all times.
- Handle and transport products with care.
- Inspect defects or damage of products (arbor, core flatness, fatigue cracks, undercutting) before mounting.
- Check proper alignment of products after mounting.
- Disconnect the power before mounting & dismantling of products.
- Use correct (clean, free of burrs, and undistorted) devices for mounting.
- Use correctly designed and adjusted guard (on the wheels and belts).
- Ensure to secure the workpiece before operation.
- Maintain a firm grip on product during cutting, grinding, or drilling operation.
- Avoid clogging and uneven wear to ensure that the product is working efficiently.
- Be aware of the hazards likely during the use of products and observe the recommended precautions to be taken:
 - Bodily contact with from product at operating speed.
 - Injury resulting from product breakage during use.
 - Debris, sparks, fumes and dust generated by the cutting or grinding process.
 - Noise
 - Vibration
- Store in dry, frost-free and without significant temperature variation conditions.
- Well maintain edge shape and rigidity of the product to prevent the loss of sharpness and roundness.

Important usage information

Never Do

- Use products (diamond wheels or core bits) before you read safety instructions.
- Use a damaged or dropped products (such as with core cracks or missing segments).
- Alter product inside diameter (Doing so will create unbalanced rotation and result in wobbling, pounding, or cracking which could be hazardous).
- Use the product which is not designed for the operation.
- Use unclean or non-flat mounting flanges.
- Tighten the mounting device excessively.
- Force products onto the mounting device or modify the size of the mounting hole.
- Apply shock or excessive force to the products or let it overheat (Products are designed for straight line cutting. Curve cutting can cause stress cracks or fragmentation of the products, resulting in possible injury to people in vicinity).
- Start the machine unless the guard is in place and fastened securely.
- Continue to use a product if vibration occurs.
- Start the machine with the workpiece in contact with products.
- Use of material for which the product is not designed.
- Stop applying pressure to the surface of the product, let it stop naturally.
- Use dry products marked for wet use.
- Wear loose clothing, ties and jewelry during operation.



Grades



PREMIUM

Quality performance for general purpose use at a very competitive price.



SUPER PREMIUM

Good performance and high value.



HIGH PERFORMANCE

Maximum production and premium performance.



Wet cut only

Wet cutting wheels and drilling saws must be used with liquid coolant (such as water). To prevent excessive building up of heat, continuous supply of coolant is critical. Without sufficient coolant, even for a few seconds, blade damage may occur. Prior using, always check and make sure that it is safe to use liquid coolant.

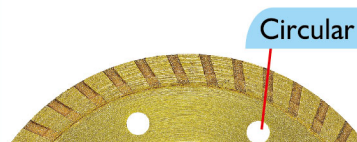


Dry (or Wet) cut

Dry cutting wheels and drilling saws rely on the flow of surrounding air to avoid accumulation of excessive heat. To achieve the best performance, always take pressure off every 10 to 15 seconds, then allow the blade to run back to full speed for several seconds. If a deep cut is required, use several shallow passes to reach full depth. To reduce dust and heat and extend blade life, dry blades may also be used in wet cut.

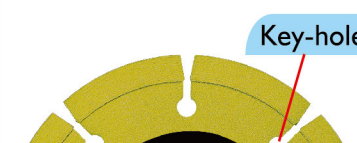


Fig. 1: Continuous rim



Circular hole

Fig. 2: Serrated rim



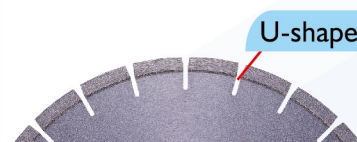
Key-hole gullet (notch)

Fig. 3-a: Segmented rim



Fish-hook slit

Fig. 3_b: Segmented rim



U-shaped notch

Fig. 3-c: Segmented rim

Equipment



Angle grinder



Circular saw



Hand grinder



High speed power saw



Masonry saw



Tile saw



Walk behind saw



■ Segmented (Dry) Cutting Blades – Premium

Item No.	Diameter		Segment's Thickness (mm)	Arbor (mm)	Max. Speed RPM
	inch	mm			
155-110	4"	105	2.0	20	15,200
155-120	4-1/4"	110	2.0	20	14,500
155-130	4-1/2"	115	2.0	22.23	13,500
155-140	5"	125	2.0	22.23	12,200
155-150	6"	150	2.0	22.23	10,200
155-160	7"	180	2.2	22.23 / 25.4	8,500
155-170	8"	200	2.2	22.23 / 25.4	7,600
155-180	9"	230	2.5	22.23 / 25.4	6,600

■ **Features :** Segmented blades and key-hole gullets allow fast removal of debris, so that smooth cutting is ensured.

■ **Applications :** General purpose for dry or wet cutting of brick, concrete, construction materials and so on.

The specially designed wide segments ensure maximum speed, with good stability, and can be used for cutting slots in granite slabs or for creating expansion joints in floors.



■ Segmented (Dry) Cutting Blades – High Performance

Item No.	Diameter		Segment's Thickness (mm)	Arbor (mm)	Max. Speed RPM
	inch	mm			
155-112	4"	105	2.0	20	15,200
155-122	4-1/4"	110	2.0	20	14,500
155-132	4-1/2"	115	2.0	22.23	13,500
155-142	5"	125	2.0	22.23	12,200
155-152	6"	150	2.0	22.23	10,200
155-162	7"	180	2.2	22.23 / 25.4	8,500
155-172	8"	200	2.2	22.23 / 25.4	7,600
155-182	9"	230	2.5	22.23 / 25.4	6,600

■ **Features :** (1) Segmented blades and key-hole slits allow fast removal of turnings, so that smooth cutting is ensured.

(2) Possess sharper performance and longer operation life than those of analogous premium grade.

■ **Applications :** General purpose for dry or wet cutting of brick, concrete, construction materials and so on.

The specially designed wide segments ensure maximum speed, with good stability, and can be used for cutting slots in granite slabs or for creating expansion joints in floors.





■ Serrated (Turbo) Cutting Blades – Premium

Item No.	Diameter		Segment's Thickness (mm)	Arbor (mm)	Max. Speed RPM
	inch	mm			
155-210	4"	105	2.0	20	15,200
155-220	4-1/4"	110	2.0	20	14,500
155-230	4-1/2"	115	2.0	22.23	13,500
155-240	5"	125	2.4	22.23	12,200
155-250	6"	150	2.4	22.23	10,200
155-260	7"	180	2.6	22.23 / 25.4	8,500
155-270	8"	200	2.6	22.23 / 25.4	7,600
155-280	9"	230	2.6	22.23 / 25.4	6,600

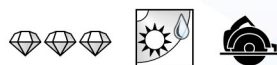
- **Features :** Serrated blades and circular holes on the core assist to efficiently remove fillings and heat.
- **Applications :** General purpose for dry or wet cutting of brick, concrete, granite, masonry and so on.



■ Serrated (Turbo) Cutting Blades – High Performance

Item No.	Diameter		Segment's Thickness (mm)	Arbor (mm)	Max. Speed RPM
	inch	mm			
155-212	4"	105	2.0	20	15,200
155-222	4-1/4"	110	2.0	20	14,500
155-232	4-1/2"	115	2.0	22.23	13,500
155-242	5"	125	2.4	22.23	12,200
155-252	6"	150	2.4	22.23	10,200
155-262	7"	180	2.6	22.23 / 25.4	8,500
155-272	8"	200	2.6	22.23 / 25.4	7,600
155-282	9"	230	2.6	22.23 / 25.4	6,600

- **Features :** (1) Serrated blades and circular holes on the core assist to efficiently remove chips and heat.
(2) Possess sharper performance and longer operation life than those of analogous premium grade.
- **Applications :** General purpose for dry or wet cutting of brick, concrete, granite, masonry and so on.





■ Continuous Rim (Wet) Cutting Blades – Premium

Item No.	Diameter		Segment's Thickness (mm)	Arbor (mm)	Max. Speed RPM
	inch	mm			
155-310	4"	105	1.6	20	15,200
155-320	4-1/4"	110	1.8	20	14,500
155-330	4-1/2"	115	1.8	22.23	13,500
155-340	5"	125	1.8	22.23	12,200
155-350	6"	150	1.8	22.23	10,200
155-360	7"	180	1.8	22.23 / 25.4	8,500
155-370	8"	200	1.8	22.23 / 25.4	7,600
155-380	9"	230	1.8	22.23 / 25.4	6,600

- **Applications :** General purpose for wet cutting of all types of ceramic tile, marble, and other building materials.

The diamond bonded continuous rim produces a fast and chip-free cutting.



■ Continuous Rim (Wet) Cutting Blades – High Performance

Item No.	Diameter		Segment's Thickness (mm)	Arbor (mm)	Max. Speed RPM
	inch	mm			
155-312	4"	105	1.6	20	15,200
155-322	4-1/4"	110	1.8	20	14,500
155-332	4-1/2"	115	1.8	22.23	13,500
155-342	5"	125	1.8	22.23	12,200
155-352	6"	150	1.8	22.23	10,200
155-362	7"	180	1.8	22.23 / 25.4	8,500
155-372	8"	200	1.8	22.23 / 25.4	7,600
155-382	9"	230	1.8	22.23 / 25.4	6,600

- **Features :** Possess sharper performance and longer operation life than those of analogous premium grade.

- **Applications :** General purpose for wet cutting of all types of ceramic tile, marble, and other building materials.

The diamond bonded continuous rim produces a fast and chip-free cutting.





■ Continuous Rim (Wet) Cutting Blades

Item No.	Diameter		Segment's Thickness (mm)	Arbor (mm)	Max. Speed RPM
	inch	mm			
156-391	4"	105	1.6	20	15,200
156-392	7"	180	1.6	22.23 / 25.4	8,500
156-393	9"	230	1.6	22.23 / 25.4	6,600
156-394	12"	305	2.2	25.4 / 50 / 60	5,100
156-395	14"	355	2.4	25.4 / 50 / 60	4,400

- **Features :** (1) Hot-pressed and sintered continuous-rim blade offers chipping-free cut.
(2) Exhibit sharper performance and longer operation life.
- **Applications :** Suitable for wet cutting of all kinds of marble.



■ Segmented (Wet) Cutting Blades

Item No.	Diameter		Segment's Thickness (mm)	Arbor (mm)	Max. Speed RPM
	inch	mm			
156-331	7"	180	1.6	22.23 / 25.4	8,500
156-332	9"	230	1.6	22.23 / 25.4	6,600
156-333	12"	305	2.0	25.4 / 50 / 60	5,100
156-335	14"	355	2.4	25.4 / 50 / 60	4,400

- **Features :** (1) Hot-pressed and sintered specially designed bond-diamond structure offers fast cutting.
(2) Narrow curly fish-hook slits aid to reduce operation noise, to enhance cooling efficiency, and to ensure cutting to be chipping-free with precise tolerance control.
(3) Possess sharper performance and longer operation life.
- **Applications :** Suitable for dry or wet cutting of all categories of marble.





■ Serrated (Turbo) Cutting Blades

Item No.	Diameter		Segment's Thickness (mm)	Arbor (mm)	Max. Speed RPM
	inch	mm			

TURBO THIN

155-413	4"	105	1.6	20	15,200
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ULTRA SHARP

155-450	4"	105	1.4	20	15,200
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- **Features :** (1) Serrated blades allow fast and smooth cutting.
(2) Circular holes on the core improves cutting performance due to being dispersing heat and removal of swarf.

- **Applications :** Suitable for dry or wet cutting of all kinds of granite.

Designed with denser serration to cut and grind at the same time; affords fast and durable performance.



■ Segmented Cutting Blades

Item No.	Diameter		Segment's Thickness (mm)	Arbor (mm)	Max. Speed RPM
	inch	mm			

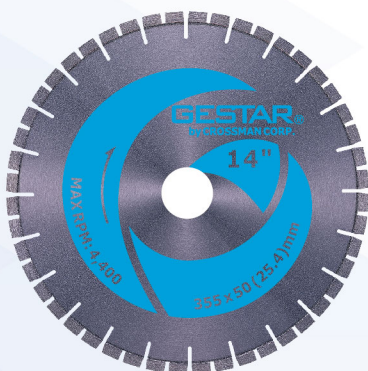
156-375	12"	305	3.0	25.4 / 50 / 60	5,100
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156-376	14"	355	3.2	25.4 / 50 / 60	4,400
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156-377	16"	405	3.4	25.4 / 50 / 60	3,800
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- **Features :** (1) Splitting blade segments (via high frequency welding on the core to eliminate breakage) absorb vibration during cutting.
(2) Narrow key-hole notches on the core extend operation life.

- **Applications :** Suitable for dry or wet cutting of all kinds of granite.



■ Segmented Cutting Blades

Item No.	Diameter		Segment's Thickness (mm)	Arbor (mm)	Max. Speed RPM
	inch	mm			

156-302	12"	305	3.0	25.4 / 50 / 60	5,100
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156-352	14"	355	3.2	25.4 / 50 / 60	4,400
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156-402	16"	405	3.4	25.4 / 50 / 60	3,800
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- **Features :** Possess splitting blade segments.
- **Applications :** Suitable for dry or wet cutting of all categories of granite.

Splitting blade segments improve adverse effects from vibration during cutting. Gullets among segments enhance efficiency of removal of swarf.





■ Segmented (Dry) Cutting Blades

Item No.	Diameter		Segment's Thickness (mm)	Arbor (mm)	Max. Speed RPM
	inch	mm			
155-524	4"	105	1.8	20	15,200
155-527	7"	180	2.2	22.23 / 25.4	8,500
155-528	9"	230	2.4	22.23 / 25.4	6,600
155-529	10"	250	2.6	22.23 / 25.4	5,100

■ **Features :** Specially designed slant segmented blades (via cold pressed and sintered) and tilted slots exhibit fast cutting due to having efficient cooling and removal of debris.

■ **Applications :** Suitable for dry or wet cutting of hard concrete and building materials.



■ Diamond Cutting Blades

Item No.	Diameter		Segment's Thickness (mm)	Arbor (mm)	Max. Speed RPM
	inch	mm			
156-346	14"	355	3.2	25.4 / 50 / 60	4,400

■ **Features :** Specially designed slant segmented blades (via cold pressed and sintered) and tilted slots exhibit fast cutting due to having efficient cooling and removal of debris.

■ **Applications :** Suitable for dry or wet cutting of hard concrete and building materials.



■ Segmented Cutting Blades

Item No.	Diameter		Segment's Thickness (mm)	Arbor (mm)	Max. Speed RPM
	inch	mm			
156-304	12"	305	3.2	25.4 / 50 / 60	5,100
156-354	14"	355	3.2	25.4 / 50 / 60	4,400
156-404	16"	405	3.4	25.4 / 50 / 60	3,800

■ **Features :** Deep and wide U-shaped notches allow to reduce undercutting on abrasive materials and offer fast cut due to having higher efficiency of removal of swarf.

■ **Applications :** Suitable for dry or wet cutting of a variety of cured (& green) concrete, hard concrete block or stone, pavers, and masonry materials.





■ Diamond Cutting Blades

Item No.	Diameter		Segment's Thickness (mm)	Arbor (mm)	Max. Speed RPM
	inch	mm			
156-359	14"	355	3.2	25.4 / 50 / 60	4,400
156-357	14"	355	3.2	25.4 / 50 / 60	4,400

- **Features :** Specially designed slant segmented blades (via cold pressed and sintered) and tilted slots exhibit fast cutting due to having efficient cooling and removal of debris.
- **Applications :** Suitable for dry or wet cutting of hard concrete and building materials.



Cut-Off Wheel For Asphalt



■ Continuous Rim (Wet) Cutting Blades

Item No.	Diameter		Segment's Thickness (mm)	Arbor (mm)	Max. Speed RPM
	inch	mm			
155-313	4"	105	1.2	20	15,200

■ **Features :** Circle holes eliminate residual stress and assist removal of swarf.

■ **Applications :** Suited for wet and chipping-free cutting of dense ceramic tile.
This revolutionary series can also be used for dry cutting without breaking or chipping the workpiece's surface.



■ Continuous Rim (Wet) Cutting Blades

Item No.	Diameter		Segment's Thickness (mm)	Arbor (mm)	Max. Speed RPM
	inch	mm			
155-323	4-1/4"	110	1.6	20	14,500
155-333	4-1/2"	115	1.6	22.23	13,500
155-343	5"	125	1.6	22.23	12,200
155-353	6"	150	1.6	22.23	10,200
155-363	7"	180	1.8	22.23 / 25.4	8,500
155-373	8"	200	1.8	22.23 / 25.4	7,600
155-383	9"	230	1.8	22.23 / 25.4	6,600
155-325	10"	250	1.8	22.23 / 25.4	6,100
155-393	12"	305	2.2	25.4 / 50 / 60	5,100
155-394	14"	355	2.4	25.4 / 50 / 60	4,400

■ **Features :** Continuous-rim blade is welded on the core with high frequency process.

■ **Applications :** Suited for wet and chipping-free cutting of dense ceramic tile.
This revolutionary series can also be used for dry cutting without breaking or chipping the workpiece's surface.





■ Serrated (Turbo) Cup Wheel

Item No.	Diameter		Arbor (mm)	Max. Speed RPM
	inch	mm		
155-102	4"	100	20	15,200



■ Single Row Segmented Cup Wheel

Item No.	Diameter		Arbor (mm)	Max. Speed RPM
	inch	mm		
155-071	4"	100	20	15,200
155-072	4-1/2"	115	20	14,500
155-073	5"	125	22	13,500
155-074	7"	180	22	8,500



■ Double Row Segmented Cup Wheel

Item No.	Diameter		Arbor (mm)	Max. Speed RPM
	inch	mm		
155-081	4"	100	20	15,200
155-082	4-1/2"	115	20	14,500
155-083	5"	125	22	13,500
155-084	7"	180	22	8,500



■ Swirl Segment Cup Wheel

Item No.	Diameter		Arbor (mm)	Max. Speed RPM
	inch	mm		
155-091	4"	100	20	15,200
155-092	4-1/2"	115	20	14,500
155-093	5"	125	22	13,500
155-094	7"	180	22	8,500



■ Staggered Segmented Cup Wheel

Item No.	Diameter		Arbor (mm)	Max. Speed RPM
	inch	mm		
155-061	4"	100	20	15,200
155-062	4-1/2"	115	20	14,500
155-063	5"	125	22	13,500
155-064	7"	180	22	8,500

