

TABLE SAW BLADES

(WET CUTTING)







DIAMOND BLADES

WET CUTTING

Classification by materials

SOLGA DIAMANT offers color coding according to the type of material to be cut, which will allow you to quickly identify what type of material each tool has been designed for.



GENERAL PURPOSE.

Orange SERIES designed for **non intensive use** on materials with medium abrasion.

Blades with low diamond concentration, to achieve better performance in **low power machines**.



PROFESSIONAL GENERAL PURPOSE.

Blue SERIES has been designed for **professional work** on medium abrasion materials.

Blades with medium diamond concentration, for use with **low, medium** and high power machines.



ABRASIVE MATERIALS.

Black SERIES, has been designed for **intensive and professional cutting** of high abrasion materials.

Blades with high diamond concentration, for use in medium and high power machines.



HARD MATERIALS.

Red SERIES, has been designed for **intensive and professional cutting** of highly hard materials.

Blades with high diamond concentration, for use in medium and high power machines.



Porcelanic SERIES, has been designed for professional cutting without chipping of materials with a vitrified finish, such as stoneware and porcelain. For high hardness materials. **Use**

in low, medium and high power machines.



Porcelanic SERIES+, They have been designed for professional cutting without chipping of materials up to hardness 9, with a vitrified finish, such as stoneware, porcelain and ultra compact. Blades with a high concentration of diamond and fine granulometry to obtain perfect finishes. Use in medium and high power machines.

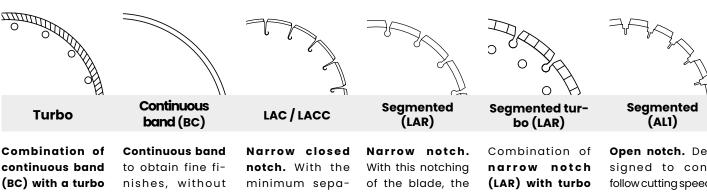


SOLGA DIAMANT As a European manufacturer of diamond tools, we offer a complete range for cutting, drilling and surface treatment for the construction and natural stone sectors.

Our tools are manufactured in our production centers located in Barcelona, where our engineers develop solutions by mixing and sintering metal alloys with the right diamond for each application. Our laser, induction and welding centers optimize each product to ensure maximum durability and safety.

We have a color coding system according to the material that needs to be cut and different designs of the profiles of the diamond area, depending on the characteristics of the work to be carried out. Our commercial team and our network of distributors will accompany you at all times both in the choice of the tool and in the working parameters that will allow you to obtain the best results.

Diamond area profiles



segmentation type, offer a superior cut quality, for a clean cut without breaks.

breaks and speed of cutting. Indicated for cutting extra hard, vitrified materials.

ration between segments, it guarantees a breakfree cut as there is no gap between seaments.

best cutting finish is sought, since the jump between segments is practically imperceptible.

segmentation, to achieve speed and better cut finish (even at low power).

Open notch. Designed to confollow cutting speed, even at low power.

Material table	Stoneware Porcelanic	Stoneware extruded	Marbre	Slate	Granite	Terrazo	Refractory	Face side Brick	klinker Brick	Cured	Reinforce	Asphalt	Asbestos	Sandstone
Blue SERIES		•		•	•	•	•	*	•	•		•	•	•
Red SERIES	*			*	*	*		*	•	*	*			
Black SERIES		*					*	•	*	*	•	*	*	*
Porcelanic SERIES			*											

★ Optimal use

Alternative use



LOW POWER

3 CV Monophasic



MEDIUM POWER

3 y 4 CV Monophasic and Triphasic



HIGH POWER + 4 CV Triphasic Solga Diamant recommends to use the blades according to the machine power indicated on each blade, for greater durability and performance. If you have any questions, you can contact our sales team.





Orange Orange

UNIVERSAL **MATERIALS**

RECOMMENDED MATERIALS

ARTIFICIAL STONE, BRICK (SOLID, FACING BRICK, HOLLOW) TONGUE AND GROOVE, TILE, SANDSTO-NE, TERRAZZO, CONCRETE, THERMOCLAY, REFRACTORY.

Range designed for cutting general construction materials with medium abrasion, where we combine highly versatile metal alloys, achieving an economical and decisive product. With a soft league for a quick renewal of the diamond.

OTHER MATERIALS NON INTENSIVE CUT

Cutting in a non-intensive way and alternating materials:

Granite, slate, cobblestone, Silestone, basalt, quartzite, corundum, porphyry, pumice stone, asphalt, refractory, vaults, gero concrete, concrete tile and antacid brick.

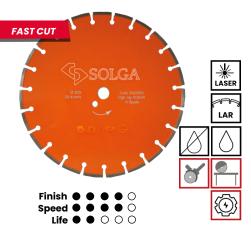


ORANGE BLADE LAR SINTER FLAT SEG.

Characteristics: LAR notch gives us performance, durability and cut finish.

REF	ø	Width	High	Shaft	N° seg.
230BG6300	300	3,2	10,0	25,4	20
230BG6350	350	3,2	10,0	25,4	23

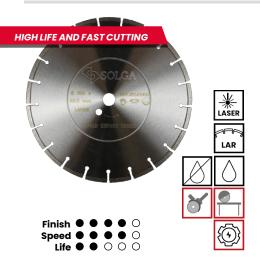
*Also available in shaft 20,0 mm.



ORANGE BLADE LAR LASER FLAT SEG.

Characteristics: LAR notch offers the blade performance, durability and high resistance. Laser welding for greater safety in its use.

REF	Ø	Width	High	Shaft	N° seg.
25213300	300	2,8	7,0	25,4	20

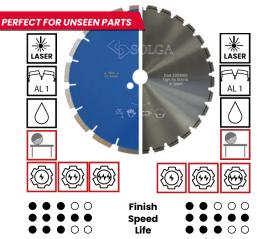


ORANGE BLADE LAR LASER FLAT SEG.

Characteristics: LAR notch offers the blade performance, durability and high resistance. Laser welding for greater safety in its use.

REF	Ø	Width	High	Shaft	N° seg.
25113300	300	2,8	7,0	25,4	21





BLUE BLADE AL-1 LASER FLAT SEG.

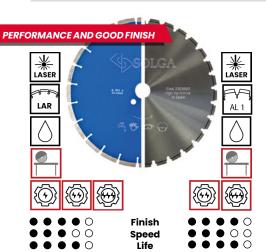
Characteristics: AL1 open notch offers high cutting speed, as well as allowing the cutting of thick workpieces. Laser welding for safety.

REF	Ø	Width	High	Shaft	Notch	Nº seg.
21306300	300	2,8	10,0	25,4	All	18
21306350	350	3,0	10,0	25,4	All	21
21306400	400	3,4	10,0	25,4	All	24
21306450	450	3,6	10,0	25,4	All	26
21306500	500	3,8	10,0	25,4	All	30
21306600	600	4,5	10,0	25,4	BL	35
21306650	650	4,5	10,0	25,4	BL	38
21306700	700	4,5	10,0	35,0	BL	40
21306800	800	4,5	10,0	35,0	BL	46
21306900	900	4,5	10,0	35,0	BL	48

BLUE BLADE BC SEG. TURBO

Characteristics: Continuous band with turbo segment design for a perfect finish.

REF	Ø	Width	High	Shaft	Notch	N° seg.
10704300	300	3,0	7,5	25,4	Turbo	BC
10704350	350	3,0	7,5	25,4	Turbo	BC



BLUE LAR LASER FLAT SEG. BLADE

Characteristics: Special blades for cutting concrete and concrete blocks. Designed in LAR notch for greater performance, durability. With laser welding for greater safety in its use.

REF	Ø	Width	High	Shaft	Notch	N° seg.
23306300	300	2,8	10,0	25,4	LAR	20
23306350	350	3,0	10,0	25,4	LAR	23
23306400	400	3,4	10,0	25,4	LAR	27

BLOCK CUTTER ALI BLADE

REF	Ø	Width	High	Shaft	Notch	N° seg.
23036600	600	4,5	10,0	60	ALl	30
23036650	650	4,5	10,0	60	AL1	33
23036700	700	4,5	10,0	60	AL1	35
23036750	750	4,5	10,0	60	AL1	40
23036900	900	4,5	10,0	60	AL1	45



Blue

UNIVERSAL MATERIAL PRO

RECOMMENDED MATERIALS

ARTIFICIAL STONE, BRICK (SOLID, FACING BRICK, HOLLOW) TONGUE AND GROOVE, TILE, SANDSTONE, TERRAZZO, CONCRETE, THERMOCLAY, REFRACTORY.

Range designed for cutting general materials with medium abrasion, where we combine very versatile metal alloys so that the diamond emerges depending on the type of material being cut. Achieving greater durability of the tool in a wide range of materials.

OTHER MATERIALS NON INTENSIVE CUT

Cutting in a non-intensive way and alternating materials:

Granite, terrazzo, slate, refractory, cobblestone, Silestone, concrete tile, basalt, quartzite, corundum, porphyry, pumice stone, asphalt, vaults, gero concrete, anti-acid brick.



Black

SERIES

ABRASIVE MATERIALS

RECOMMENDED MATERIALS

CONCRETE, ASPHALT, SANDSTONE, REFRACTORY, VAULT, GERO, SILESTONE, TILE, BRICK.

Range designed for cutting abrasive, porous and concrete derived materials, where we combine abrasion/resistant metal bonds that allow the diamond to be kept in the bond, making the most of its useful life.

OTHER MATERIALS NON INTENSIVE CUT

Cutting in a non-intensive way and alternating materials:

Sandstone, terrazzo and concrete (calcareous) and thermoclay.

REMARKS

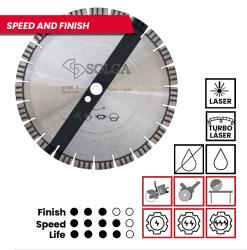
High performance in abrasive, porous and concrete-derived materials.



BLACK BLADE BC SEG. TURBO

Characteristics: Continuous band and turbo segment design, to achieve a perfect finish.

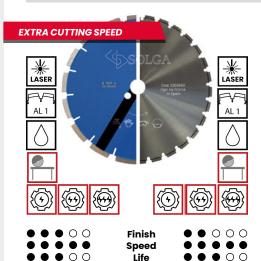
REF	Ø	Width	High	Shaft	N° seg.
10404300	300	3,0	7,5	25,4	TURBO
10404350	350	3,0	7,5	25,4	TURBO



BLACK BLADE LAR SEG. TURBO LASER

Characteristics: LAR notch and turbo-laser segment offer performance, durability, good cutting finish and speed at maximum depth (thicker pieces). Laser welding for greater safety in its use.

REF	ø	Width	High	Shaft	N° seg.
23117300	300	2,8	15,0	25,4	20
23117350	350	3,0	15,0	25,4	23
23117400	400	3,2	15,0	25,4	26



BLACK BLADES ALI LASER FLAT SEG.

Characteristics: AL1 open notch offers high cutting speed, in addition to allowing the cutting of thick pieces with no visible face, where the finish does not need to be perfect. Laser welding for greater safety in its use.

REF	Ø	Width	High	Shaft	Notch	N° seg.
21502300	300	3,0	8,0	25,4	AL1	18
21506350	350	3,2	10,0	25,4	AL1	21
21506400	400	3,4	10,0	25,4	AL1	24

BLUE BLADE BLOCK CUTTER ABRASIVE

REF	ø	Width	High	Shaft	Notch	N° seg.
23026600	600	4,5	10,0	60	ALl	30
23026650	650	4,5	10,0	60	ALl	33
23020700	700	4,5	10,0	60	ALl	35
23020900	900	4,5	10,0	60	ALI	0

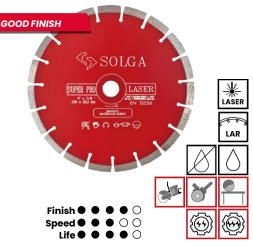


BLACK BLADE LAR LASER FLAT SEG.

Characteristics: LAR notch offers the blade performance, durability and high resistance. Laser welding for greater safety in its use.

REF	Ø	Width	High	Shaft	N° seg.
23506300	300	3,0	10,0	25,4	18
23506350	350	3,2	10,0	25,4	21
23506400	400	3,4	10,0	25,4	24





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SPEED EVEN LOW POWER MACHINE

Finish Speed

RED BLADE LAR LASER FLAT SEG.

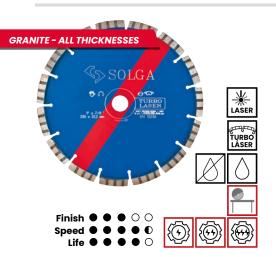
Characteristics: LAR notch offers the blade performance, durability and high resistance. Laser welding for greater safety in its use.

REF	Ø	Width	High	Shaft	N° seg.
13306300	300	3,05	10,0	25,4	20
13306350	350	3,2	10,0	25,4	23

RED BLADE LAR SEG. TURBO LASER

Characteristics: LAR notch and turbolaser segment offer performance, durability, good cutting finish and speed at maximum depth (thicker pieces). Laser welding for greater safety in its use.

REF	ø	Width	High	Shaft	N° seg.
23157300	300	2,8	15,0	25,4	20
23157350	350	3,2	15,0	25,4	23
23157400	400	3,2	15,0	25,4	26



RED BLADE LAR SEG. TURBO LASER

Characteristics: LAR notch and turbolaser segment offer performance, durability, good cutting finish and speed at maximum depth (thicker pieces). Laser welding for greater safety in its use. Special blade due to its coarser diamond granulometry than standard blades, to achieve faster cutting in thick pieces.

REF	Ø	Width	High	Shaft	N° seg.
23206300	300	2,8	10,0	25,4	20
23206350	350	3,1	10,0	25,4	23
23206400	400	3.2	10.0	25.4	27

Red SERIES

HARD MATFRIAI

RECOMMENDED MATERIALS

GRANITE, TERRAZZO, SLATE, COBBLESTONE, REINFOR-CED CONCRETE, SILESTONE BASALT, QUARTZITE, CORUN-DUM, PORPHYRY, PUMICE.

Range designed for cutting hard materials, where we combine metal alloys that prevent loss of cutting capacity. The blade has a soft alloy and strong diamonds.

OTHER MATERIALS NON INTENSIVE CUT

Cutting in a non-intensive way and alternating materials:
Reinforced concrete, extruded material, Greco stoneware, asphalt, refractory, vaults, gero and concrete tile. All kinds of face bricks, compact and solid.

REMARKS

High performance in compact materials of high hardness.



Green

SERIES

VITRIFIED MATERIALS

RECOMMENDED MATERIALS

CERAMIC, TILES, MARBLE, GLASS.



RIM BLADE LACC GREEN

Characteristics: Continuous band with laser cut notch, to guarantee a cut without breaks. Perfect straight and miter cut with chip-free finishes. Soft league for a quick renewal of the diamond.

REF	Ø	Width	High	Shaft	N° seg.
20000180	180	1,6	7,0	25,4	LACC
20000200	200	1,6	7,0	25,4	LACC
20000231	230	1,6	7,0	25,4	LACC
20000250	250	1,6	7,0	25,4	LACC
20000300	300	2,0	7,0	25,4	LACC
20000350	350	2,0	7,0	25,4	LACC

Ceramics Porcelain

SERIES

HARD MATERIALS

RECOMMENDED MATERIALS

VITRIFIED: CERAMIC, STONEWARE, PORCELAIN.

RIM BALDE LACC GRES

Characteristics: Continuous band with laser cut notch, to guarantee a cut without breaks. Perfect straight and miter cut with chip-free finishes. Soft bond for a rapid renovation of the diamond with a fine granulometry for a perfect finish.

REF	Ø	Width	High	Shaft	N° seg.
20010180	180	1,6	7,0	25,4	LACC
20010200	200	1,6	7,0	25,4	LACC
20010231	230	1,6	7,0	25,4	LACC
20010250	250	1,6	7,0	25,4	LACC
20010300	300	2,0	7,0	25,4	LACC
20010350	350	2,0	7,0	25,4	LACC

OTHER MATERIALS NON INTENSIVE CUT

Cutting in a non-intensive way and alternating materials:

Gresite, Silestone, terrazzo, and granite, thin construction pieces.

REMARKS

This range of blades is designed exclusively for cutting pieces with a maximum thickness of 2 cm. Blade for all types of low power table machines.



RIM BLADE BC PORCELAIN

Characteristics: Continuous band with laser cut notch, to guarantee a cut without breaks. Perfect straight and miter cut with chip-free finishes. Soft bond for a rapid renovation of the diamond with a fine granulometry for a perfect finish.

REF	Ø	Width	High	Shaft	N° seg.
2001Z180	180	1,9	7,0	25,4	BC
2001Z200	200	1,9	7,0	25,4	BC
2001Z230	230	1,9	7,0	25,4	BC
2001Z250	250	1,9	7,0	25,4	BC
2001Z300	300	2,0	7,0	25,4	BC
2001Z350	350	2,0	7,0	25,4	BC





RIM LACC PORCELAIN PLUS BLADE

Characteristics: Continuous band with laser cut notch, to guarantee a cut without breaks. Perfect straight and miter cut with chip-free finishes. Soft bond for a rapid renovation of the diamond with a fine granulometry for a perfect finish.

REF	Ø	Width	High	Shaft	N° seg.
20021250	250	2,0	7,5	25,4	LACC
20021300	300	2,0	7,5	25,4	LACC
20021350	350	2,4	7,5	25,4	LACC

Characteristics: Continuous band to

achieve a perfect miter and straight cut

with finishes without chipping or breaks in the material. Soft league for a quick re-

DISCO RIM BC PORCELAIN PLUS

newal of the diamond.

Ceramics Porcelain



PLUS HARD MATFRIAIS

RECOMMENDED MATERIALS

STONEWARE, PORCELAIN, ULTRA COMPACT (DEKTON, COVERLAM, COMPAC NEOLITH).

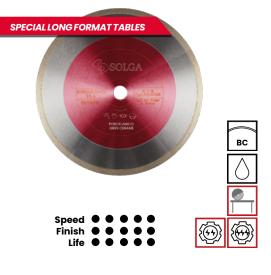
OTHER MATERIALS NON INTENSIVE CUT

Cutting in a non-intensive way and alternating materials:

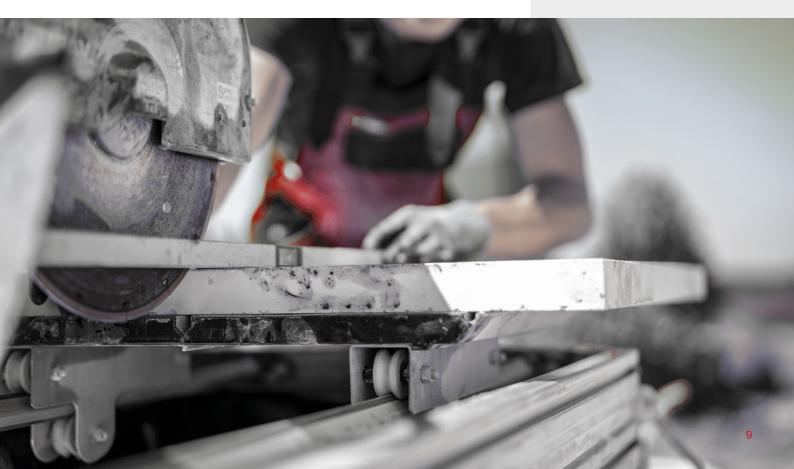
Granite, Silestone, terrazzo, compact construction pieces of little thickness.

REMARKS

Range designed exclusively for cutting pieces up to 2 cm thick. For use in all types of tabletop machines. Ideal for long-format tables and for ventilated facades.



REF	Ø	Width	High	Shaft	N° seg.
2003Z300	300	2,2	10,0	25,4	BC
20027250	250	26	10.0	25.4	DC.







Specific

SERIES

SPECIFIC SERIES

Blade range for exclusive cutting of the same type of material, optimizing performance and cutting speed.

REMARKS

These blades must be used in medium and high power machines.



SPECIFIC BLADE LAR LASER MARBLE

Recommended materials: Marble, alabaster, calcareous stones.

Characteristics: LAR notch offers the blade performance, durability and high resistance. Laser welding for greater safety in its use.

REF	Ø	Width	High	Shaft	N° seg.
3220230413	300	2,8	8,0	25,4	21
3220235413	350	3,2	8,0	25,4	24

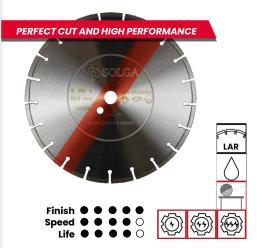


SPECIFIC BLADE LAR LASER REFRACTORY

Recommended materials: In all types of refractories with different concentrations of alumina.

Characteristics: LAR notch offers the blade performance, durability and high resistance. Laser welding for greater safety in its use.

REF	Ø	Width	High	Shaft	N° seg.
38203304	300	3,2	8,0	25,4	21
38203354	350	3,2	8,0	25,4	24



SPECIFIC BLADE LAR LASER TERRAZZO

Recommended materials: In all types of terrazzo, with perfect finishes on the exposed side.

Characteristics: LAR notch offers the blade performance, durability and high resistance. Laser welding for greater safety in its use.

REF	Ø	Width	High	Shaft	N° seg.
31200303	300	2,8	8,0	22,2	21
31200350	350	3,2	8,0	60	24



TROUBLESHOOTING

SOLGA Diamant has at your disposal the solution to a series of possible problems that any operator can find when working.

What we observe

Possible cause

Solution

Fast segment wear



- Inappropriate type of blade.
- Low cooling or peripheral speed.
- Change type of the blade.
- Increase cooling and/or peripheral and forward speed.

Segment side wear



- Curved / arched cuts.
- The blade has roughed up.
- Flange area dirty or incorrectly positioned.
- Suitable blade for application.
- Clean flange and blade.

Polish and closed segments



- · Type of blade not suitable for the material.
- Excessive speed.
- Open the diamond using the blade on an abrasive material.
- Slow down.

Dark segments



- Lack of refrigeration.
- Blade not suitable.
- High peripheral speed.
- Increase cooling.
- Change type of blade.
- Decrease peripheral or advance speed.

Segment base wear



- Very abrasive material.
- Blade not suitable.
- Great depth of cut and poor
- Change blade type.
- Increase cooling.

Irregular radial wear



- Incorrect shaft.
- Incorrect or worn reduction ring.
- Damaged machine shaft.
- Check the blade shaft.
- Use a suitable reduction ring.
- Check the shaft of the machine.

Cracks in the steel body



- · Lack of refrigeration.
- Shaft not centered.
- Loss of support rigidity.
- Change blade type.
- Check shaft.
- Increase cooling.

Blade with deformed or stressed support



- The blade has suffered a fall or accident.

- Use the tool correctly.
- Overheating
- Increase cooling.

Segment break



- Support deformation.
- Overheating.
- Hooked.

- Increase cooling.
- Remove loose items from the cut.









Check out our complete catalogue in our website or contact with us for more information about our products and services.

All our news will be available in our social networks, follow us!!



DISPLAYS SOLGA DIAMANT



Solga Diamant has a range of displays for different diamond tools and formats.







DIAMOND TOOLS



1. CORE DRILLS



5. DIAMOND BLADES FOR NATURAL AND ARTFICIAL STONES



10. SURFACE PREPARATION



2. FLOOR SAW BLADES



6. DIAMOND WIRE FOR NATURAL STONE



11. DRY CUTTING BLADES



3. WALL SAW AND PRECAST DIMAOND BLADES



7. POLISHING TOOLS FOR NATURAL STONE



12. TABLE SAW BLADES (WET CUTTING)



4. DIAMOND WIRE FOR CONSTRUCTION



8. ROUGHING CUTTERS FOR MARBLE AND GRANITE



13. GRINDING RINGS FOR CALIBRATING



9. GANG SAW FOR MARBLE AND SANDSTON

AUTHORIZED POINT OF SALE



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SOLGA

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