SOLGA

DIAMANT

Diamond Tools

The correct use of diamond tools

Each diamond tool is designed and manufactured to be used under certain conditions that will ensure the best results and safety in use.
For safety reasons please follow the safety instructions leaflet:

INSTRUCTIONS FOR USE:

▪ **Peripherical speed**
It is an essential parameter on every diamond tool. On wet cutting blades the speed of rotation has to suit the characteristics of the material to be cut and the diameter of the blade.
On dry cutting blades each machine will specify a diameter of blade to give the correct peripheral speed.
▪ **Power**
It is essential to have enough power to carry out the work. The power of the machine will determine the ability to maintain the peripheral speed and achieve adequate production.
▪ **Cooling**
Right cooling increases production.
The water flow during wet cutting provides the cooling at the contact area between the blade and the material being cut. The water also flushes out the waste material that has been cut.
On dry cutting the cooling is due to the flow of air over the blade. To cool the blade effectively in air, the blade must be lifted out of the cut for a few seconds whilst the blade is still rotating.

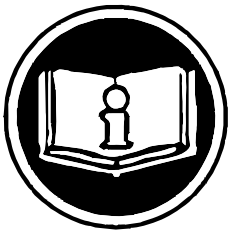
SAFETY

Diamond tools are safe, fast and reliable when the provided instructions for use are followed correctly:
▪ **Blade damage cheking**
Check the blade for damage. If any damage is found the blade must be replaced. Ensure that the bore hole diameter of the blade matches the shaft diameter of the machine.
▪ **Correct assembly of the blade**
When mounting the blade ensure that the shaft and fixing plates are clean. Ensure that the blade is firmly clamped and that it does not rotate by hand.
▪ **Using of the protection guard**
It is essential to always use the guard protection provided.

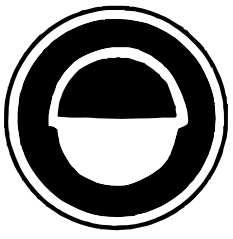
OPERATOR PROTECTION

For safe working with diamond blades it is necessary to use:
▪ Hearing protection
▪ Breathing protection
▪ Eye protection

Use dust mask



Read the instructions for use.



Use the guard protection

Use safety glasses

Use ear defenders

Use protective gloves

SOLGA
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SOLGA DIAMANT *Evolving on technology*

For 40 years SOLGA DIAMANT has forged a name in the field of diamond tools with a notable grade of investment.

Always evolving with latest technology in machinery and production processes, SOLGA are able to offer the maximum quality and consistency in all of their products.

Evolving on R & D

A constant research and development of all products has always been an essential aspect in the history of SOLGA DIAMANT.

A modern laboratory allows SOLGA to continually develop its products to give improvements in performance, speed, productivity and quality according with the market exigencies.

SOLGA DIAMANT *Evolving on service*

The distribution of their products to more than 50 countries in 5 continents has provided a high level of experience that allows SOLGA DIAMANT nowadays to evolve on service and in each market by adapting and developing tools to suit each application and field of use.

To the total quality and the sustainable developing

From the selection of raw materials through the manufacturing process, distribution, post-sales and even the process of research and development SOLGA DIAMANT has put in place not just adequate quality control systems but fully audited and certified quality control systems.

The result is the ISO 9001 Certificate that places SOLGA DIAMANT at the top of the Diamond Tool Manufacturers of the World, and the ISO 14001 certificate that confirms the quality in the environmental management of SOLGA DIAMANT, including the environmental respect inside its global corporate strategy.


Certificación

GRUPO SOLGA DIAMANT, S.L.

ISO 9001:2008


Certificación

GRUPO SOLGA DIAMANT, S.L.

ISO 14001:2004

Dry Cutting Blades
Blade Geometry

Segmented band

The laser welding
The laser welding is made by fusion between the steel body and the diamond segment.
Allows higher security while working and to use a more resistant bonds that offers a better performance and cutting speed.

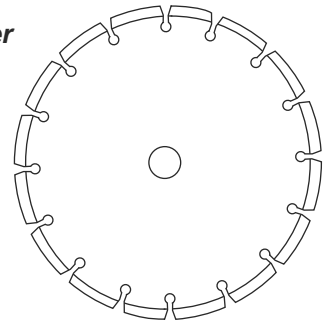
Turbo Laser
Due to the market needs and Solga's experience in this field, SOLGA produces this blade type that combines the high performance and cooling of the segmented laser-welded blades together with the fine cut of the turbo style.

Continuous band

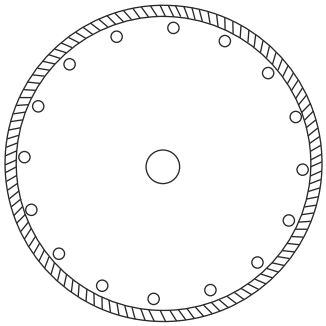
Turbo
For use in works where the quality of cut is most important, when customer is looking for a fine cut.

Continuous band
A blade designed for cutting materials that require an extra smooth cut without chipping the edge of the material. Recommended for tiles.

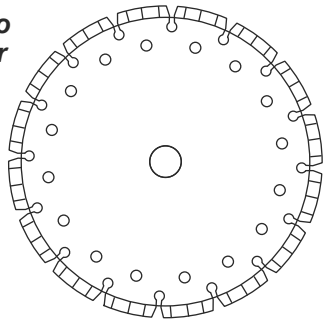
Laser



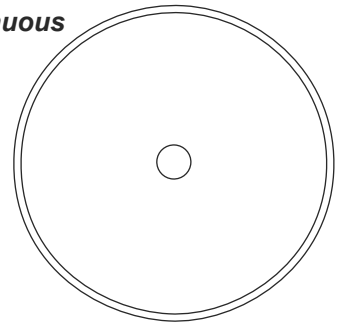
Turbo



Turbo Laser



Continuous band



SOLGA DIAMANT

Correct cutting speed for dry cutting applications must be between 60 and 80 m/s depending upon the material to be cut. The machinery manufacturers adjust the rotation speed to suit the diameter of the blade for which the machine is designed. For this reason it is very important to use the correct diameter of blade for each machine.
In order to achieve the highest performance and correct degree of blade cooling, it is very important to let spin the blade out of the cutting zone during a few seconds.

Product range of blades according to the different types of material to be cut:

Red
Hard Materials
- Quartzite
- Gneiss
- Granite
- Porphyry
- Basalt
- Reinforced concrete
- Cured siliceous concrete
- Refractory hard brick

Blue
General purpose blades

Used alternately in:
- Hard materials
- Abrasive materials

Black
Abrasives materials
- Siliceous sandstone
- Calcareous sandstone
- Pumice stone
- Fresh siliceous concrete
- Concrete tile
- Concrete block
- Air brick
- Siliceous terrazzo

Master Blade
Hard Materials
- Concrete
- Reinforced concrete
- Asphalt
- Bricks
- Sandstones
- Stone

Ring Saw
Hard Materials
- Concrete
- Reinforced concrete
- Construction materials
- Stone

Rescue Blade
Materials of high difficulty
- Reinforced concrete
- Cast iron
- Steel
- Wood
- Copper
- Plastic (HDPE)
- Hollowcore sections type H
- PVC pipe

Dry cutting
Universal purpose

BASIC LINE LASER

laser *turbo*

BASIC LINE. Laser

code	diameter	H	T	X
12803115	ø 115	22,2	2,0	7,0
12803125	ø 125	22,2	2,0	7,0
12803180	ø 180	22,2	2,0	7,0
12803230	ø 230	22,2	2,4	7,0

BASIC LINE. Turbo

code	diameter	H	T	X
10802115	ø 115	22,2	2,0	7,5
10802125	ø 125	22,2	2,0	7,5
10802180	ø 180	22,2	2,3	7,5
10802230	ø 230	22,2	2,5	7,5

PROFESSIONAL

laser *turbo*

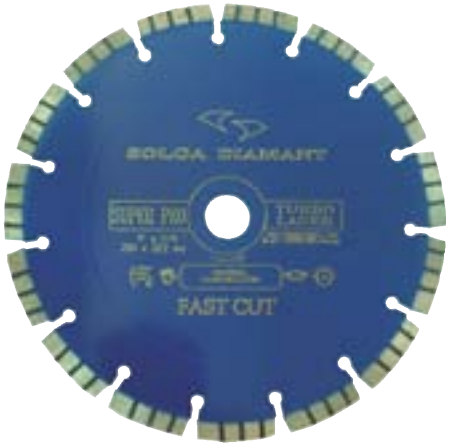
PROFESSIONAL CONST. Laser

code	diameter	H	T	X
13703115	ø 115	22,2	2,4	8,0
13703125	ø 125	22,2	2,4	8,0
13703150	ø 150	22,2	2,4	8,0
13703180	ø 180	22,2	2,6	8,0
13703230	ø 230	22,2	2,6	8,0
13703300	ø 300	25,4	3,0	8,0
13703350	ø 350	25,4	3,2	8,0

PROFESSIONAL CONST. Turbo

code	diameter	H	T	X
10704115	ø 115	22,2	2,0	7,5
10704125	ø 125	22,2	2,0	7,5
10704150	ø 150	22,2	2,3	7,5
10704180	ø 180	22,2	2,3	7,5
10704230	ø 230	22,2	2,5	7,5
10704300	ø 300	25,4	3,0	7,5
10704350	ø 350	25,4	3,0	7,5

SUPER PRO



turbo-laser

TURBO - LASER Construction

code	diameter	H	T	X
1377311510	ø 115	22,2	2,0	8,0
1377618010	ø 180	22,2	2,2	10,0
1377623010	ø 230	22,2	2,4	10,0
1370623010	ø 230	22,2	3,1	10,0

RING SAW

ring

RING Construction

code	diameter	L	T	X
1340635001	ø 350	40,0	4,2	8/2

Also available for cutting hard and abrasive materials.

MASTER

laser

MASTER For gasoline machine

code	diameter	L	T	X
134A6230	ø 230	45,0	3,2	8/2
134A6300	ø 300	45,0	3,2	8/2
134A6350	ø 350	45,0	3,4	8/2
134A6400	ø 400	45,0	3,8	8/2

SUPER PRO

laser *turbo*

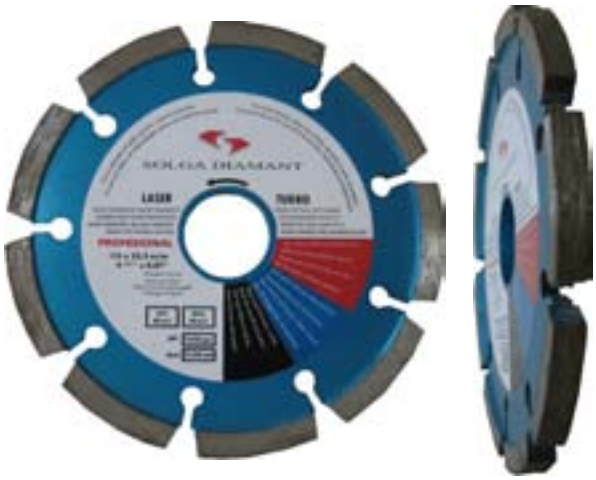
SUPERPRO CONSTRUCTION. Laser

code	diameter	H	T	X
13756180	ø 180	22,2	2,6	10,0
13756230	ø 230	22,2	2,6	10,0

SUPERPRO CONSTRUCTION. Turbo

code	diameter	H	T	X
10706180	ø 180	22,2	2,5	9,0
10706230	ø 230	22,2	2,8	9,0

MORTAR RAKING FOR GROOVING



construction

MORTAR RAKING BLADE. Standard

code	diameter	H	T	X
53470115	ø 115	22,2	**6,4**	7,0
53470125	ø 125	22,2	**6,4**	7,0

MORTAR RAKING BLADE. Premium

code	diameter	H	T	X
53440115	ø 115	22,2	**6,4**	7,0
53440125	ø 125	22,2	**6,4**	7,0

CURVED BLADE

segmented

SEGMENTED. Hard materials

code	diameter	H	wide
17323115	Ø115	22,2	4,2
17323125	Ø125	22,2	4,2
17323150	Ø150	22,2	4,2
17323180	Ø180	22,2	4,2
17323230	Ø230	22,2	4,2

CURVED BLADE

turbo

TURBO WITH PROTECTIONS. Hard materials

code	diameter	H	wide
17331125	Ø125	22,2	2,5
17332125	Ø125	22,2	3,8

TURBO WITHOUT PROTECTIONS. Hard materials

code	diameter	H	wide
17333125	Ø125	22,2	4,2

CURVED BLADE

electroplated

ELECTROPLATED. Marble

code	diameter	H	wide
18239115	Ø115	22,2	1,5
18239125	Ø125	22,2	1,5
18239150	Ø150	22,2	2,2
18239180	Ø180	22,2	2,2
18239230	Ø230	22,2	2,2

Dry cutting
Hard materials

PROFESSIONAL

laser *turbo*

PROFESSIONAL
HARD MATERIALS. Laser

code	diameter	H	T	X
13303115	ø 115	22,2	2,4	8,0
13303125	ø 125	22,2	2,4	8,0
13303150	ø 150	22,2	2,4	8,0
13303180	ø 180	22,2	2,6	8,0
13303230	ø 230	22,2	2,6	8,0
13303300	ø 300	25,4	3,0	8,0
13303350	ø 350	25,4	3,2	8,0

PROFESSIONAL
HARD MATERIALS. Turbo

code	diameter	H	T	X
10304115	ø 115	22,2	2,0	7,5
10304125	ø 125	22,2	2,0	7,5
10304150	ø 150	22,2	2,3	7,5
10304180	ø 180	22,2	2,3	7,5
10304230	ø 230	22,2	2,5	7,5

SUPER PRO

laser *turbo*

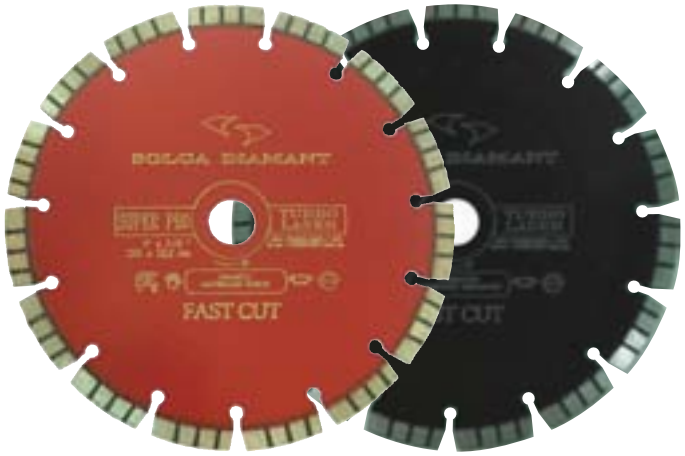
SUPER PRO
HARD MATERIALS. Laser

code	diameter	H	T	X
13356180	ø 180	22,2	2,6	10,0
13356230	ø 230	22,2	2,6	10,0

SUPER PRO
HARD MATERIALS. Turbo

code	diameter	H	T	X
10306180	ø 180	22,2	2,5	9,0
10306230	ø 230	22,2	2,8	9,0

SUPER PRO TURBO LASER



turbo-laser

TURBO - LASER Hard Materials

code	diameter	H	T	X
1337311510	ø 115	22,2	2,0	8,0
1337312510	ø 125	22,2	2,0	8,0
1337612510	ø 125	22,2	2,0	10,0
1337618010	ø 180	22,2	2,2	10,0
1337623010	ø 230	22,2	2,4	10,0

TURBO - LASER Abrasive Materials

code	diameter	H	T	X
1330623010	ø 230	22,2	3,1	10,0

GRES/HARD CERAMICS

continuous band *turbo extra-fine*

CONTINUOUS BAND. Hard ceramics

code	diameter	H	T	X
15710115	Ø 115	22,2	1,6	5,0
15710125	Ø 125	22,2	1,6	5,0
15710230	Ø 230	22,2	2,0	5,0

TURBO EXTRA-FINE. Hard materials

code	diameter	H	T	X
10303115	Ø 115	22,2	**1,2**	7,5
10303125	Ø 125	22,2	**1,2**	7,5

Abrasive materials

PROFESSIONAL

laser *turbo*

PRO ABRASIVE MAT. Laser

code	diameter	H	T	X
13403115	ø 115	22,2	2,4	8,0
13403125	ø 125	22,2	2,4	8,0
13403150	ø 150	22,2	2,4	8,0
13403180	ø 180	22,2	2,6	8,0
13403230	ø 230	22,2	2,6	8,0
13403300	ø 300	25,4	3,0	8,0
13403350	ø 350	25,4	3,2	8,0

PRO ABRASIVE MAT. Turbo

code	diameter	H	T	X
10404115	ø 115	22,2	2,0	7,5
10404125	ø 125	22,2	2,3	7,5
10404180	ø 180	22,2	2,5	7,5
10404230	ø 230	22,2	2,5	7,5
10404300	**ø 300**	**25,4**	**3,0**	**7,5**
10404350	ø 350	25,4	3,0	7,5

SUPER PRO

laser *turbo*

SUPERPRO ABRASIVE MAT. Laser

code	diameter	H	T	X
13456180	ø 180	22,2	2,6	10,0
13456230	ø 230	22,2	2,6	10,0

SUPERPRO ABRASIVE MAT. Turbo

code	diameter	H	T	X
10406180	ø 180	22,2	2,5	9,0
10406230	ø 230	22,2	2,8	9,0

Specific applications

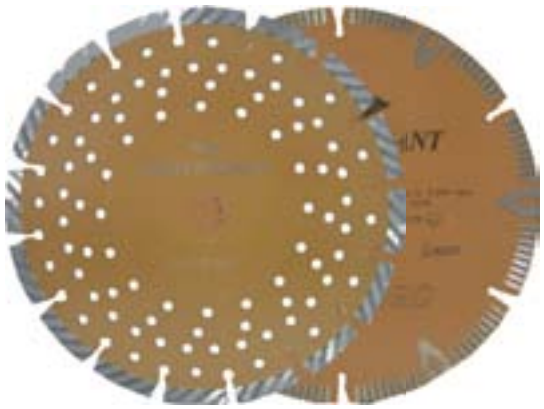
Rescue blade

vacuum brazed

HIGH DIFFICULT IN CUTTING

code	diameter	H
353H5230	ø 230	22,2
353H5300	ø 300	20,0
353H5350	ø 350	20,0
353H5400	ø 400	20,0
With lateral protections		
353H5230E	ø 230	22,2
353H5300E	ø 300	20,0
353H5350E	ø 350	20,0
353H5400E	ø 400	20,0

Multipurpose GOLD SERIES



laser *turbo*

GOLD SERIES Laser

código	diámetro	H	T	X
13716230	ø 230	22,2	2,6	10
GOLD SERIES Turbo				
10716230	ø 230	22,2	2,4	10

Marble ELECTROPLATED

segmented

MARBLE

code	diameter	H
18019115	ø 115	22,2
18019125	ø 125	22,2
18019150	ø 150	22,2
18019180	ø 180	22,2
18019230	ø 230	22,2
18019300	ø 300	22,2
18019350	ø 350	22,2

Wet cutting
Range of blades

Orange
Different construction materials

Blue
Alternative application for hard and abrasive materials

Blue with red band
Hard materials

Blue blade with black stripe
Abrasive materials

Green
Soft ceramics

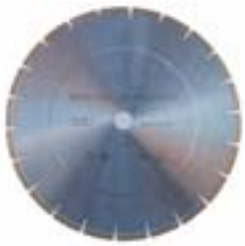
Red
Hard ceramics

Brown stripe
Terrazzo

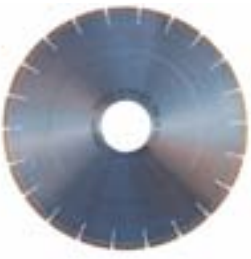
Grey stripe
Refractory

Red stripe
Granite

Yellow stripe
Marble



Silver
Stoneware/hard ceramics LACC



Silver
Glass

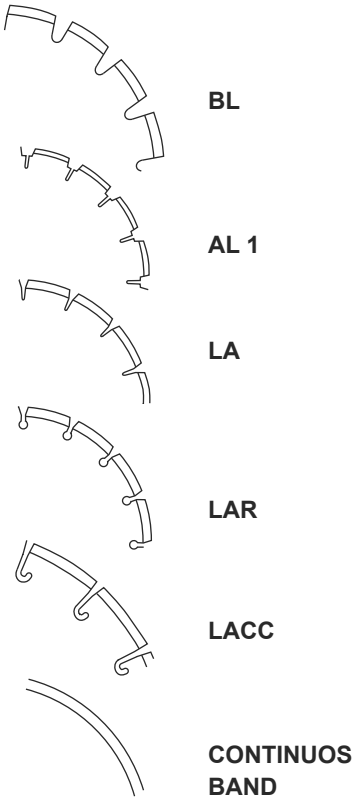
Blade geometry

BL/AL 1 open notch
The open notch helps to reach a higher cutting speed because of the increased separation of the segments.

LA/LAR closed notch
Designed to obtain a higher performance. Because of the closeness of the segments the blade is longer lasting and leads to improved protection.

LACC Closed and narrow notch
The main goal of this notch is to obtain a cleaner cut due to the short distance between the segments.

BC Continuous band
Specially designed blades for cutting delicate materials like ceramics, tiles and hard ceramics where a high quality of finish is needed.



PERIPHERAL SPEED TABLE

Peripheral speeds		
Recommended peripheral speeds depending on the material to be cut		
Marble	Large crystals	50 a 60 m/s
	Medium hardness	40 a 50 m/s
	Hard and dense	40 a 45 m/s
	Very hard or with quartz	35 a 40 m/s
Terrazzos	Calcareous	50 a 60 m/s
	Medium	40 a 50 m/s
	Siliceous	30 a 40 m/s
Refractory		40 a 50 m/s
Granites	Low quartz content	35 a 40 m/s
	High quartz content	25 a 30 m/s
Quartzites		25 a 30 m/s
Construction	Standard	40 a 50 m/s
	Hard	30 a 40 m/s
	Abrasive	50 a 60 m/s
Ceramics		40 a 50 m/s
Concretes	Cured and hard	30 a 40 m/s
	Asphalt with cured concrete	40 a 50 m/s
	Fresh concrete and abrasive	50 a 60 m/s

Rotation speeds (R.P.M.)
depending on the peripheral speed and the diameter of the blade

mm.	25 m/s	30 m/s	35 m/s	40 m/s	45 m/s	50 m/s	55 m/s	60 m/s
Ø 300	1600	1900	2200	2500	2900	3200	3500	3800
Ø 350	1400	1600	1900	2200	2500	2700	3000	3300
Ø 400	1200	1400	1700	1900	2100	2400	2600	2900
Ø 450	1100	1300	1500	1700	1900	2100	2300	2500
Ø 500	950	1100	1300	1500	1700	1900	2100	2300
Ø 550	870	1000	1200	1400	1600	1700	1900	2100
Ø 600	800	950	1100	1300	1400	1600	1800	1900
Ø 700	680	820	950	1100	1200	1400	1500	1600
Ø 800	600	720	840	950	1100	1200	1300	1400
Ø 900	530	640	740	850	950	1100	1200	1300
Ø 1000	480	570	670	760	860	950	1100	1100
Ø 1100	430	520	610	690	780	870	950	1000
Ø 1200	400	480	560	640	720	800	880	950

Bench saw machine

Technical specifications	
Saw blade capacity	350 mm
Power	3 HP
Amperage	13.6 A
Motor speed	2800 rpm
Voltage	1 x 230 V
Lenght of cut	600 mm
Depth of cut	90º = 105 – 210* m 45º = 105 – 210* mm
Weight	Kg 67
Overload switch	Incorporated
Water Tank	38 liters
Power of the pump	55 W 230 V
Dimensions	
Lenght	1130 mm
Width	570 mm
Height	540 mm

* By reversing material

Bench saw machine TCM 350

▪ Light and portable bench saw (includes 2 wheels for an easy transportation).

▪ Strong welded frame to ensure maximum rigidity for a precise cut.

▪ Stable bench mounted on 6 sealed bearings to ensure stability and accuracy of cut.

▪ Strong and stable bench capable of supporting 120 Kg.
Fast adjustment system to cut at 90º and 45º.

▪ Water pump raised up in order to avoid material and dust ingress.

▪ Water cooling directly to the blade.

▪ Re-settable overload protects the motor from overheating.

▪ Carrying handle for an easy lifting and transport.

▪ Security switch to prevent danger of re-starting after and electric power failure.

▪ Adjustable legs to level the table on irregular surfaces.

Universal purpose

BASIC LINE

universal-purpose in construction

BASIC LINE

code	diameter	H	T	X
25213300	Ø 300	25,4	2,8	7,0
25213350	Ø 350	25,4	3,0	7,0

STANDARD

universal-purpose in construction

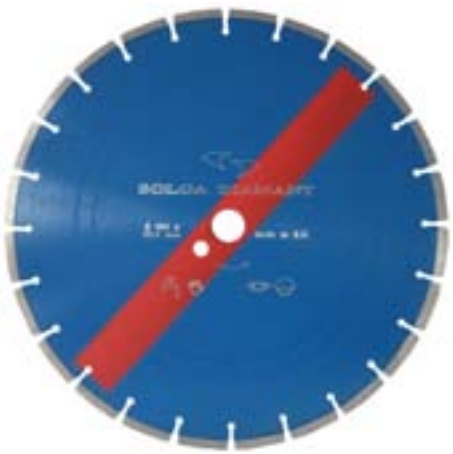
STANDARD - LAR

code	diameter	H	T	X
23302300	Ø 300	25,4	2,8	8,0
23302350	Ø 350	25,4	3,0	8,0
23302400	Ø 400	25,4	3,4	8,0
23302450	Ø 450	25,4	3,4	8,0

STANDARD - BL

code	diameter	H	T	X
21302300	Ø 300	25,4	2,8	8,0
21302350	Ø 350	25,4	3,0	8,0
21302400	Ø 400	25,4	3,4	8,0
21302450	Ø 450	25,4	3,6	8,0
21302500	Ø 500	25,4	3,8	8,0
21302600	Ø 600	35,0	4,5	8,0
21302650	Ø 650	60,0	4,5	8,0
21302700	Ø 700	60,0	4,5	8,0
21302750	Ø 750	60,0	4,5	8,0
21302800	Ø 800	60,0	4,5	8,0
21302900	Ø 900	60,0	4,5	8,0

PREMIUM



hard materials

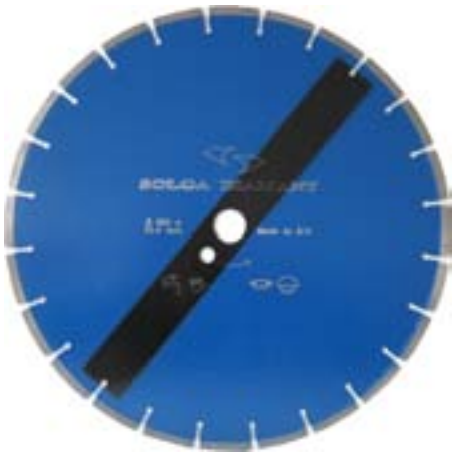
PREMIUM - LAR

code	diameter	L	T	X
23402300	Ø 300	25,4	2,8	8,0
23402350	Ø 350	25,4	3,0	8,0
23402400	Ø 400	25,4	3,4	8,0

PREMIUM - BL

code	diameter	L	T	X
21402300	Ø 300	25,4	2,8	8,0
21402350	Ø 350	25,4	3,0	8,0
21402400	Ø 400	25,4	3,4	8,0

PREMIUM



abrasive materials

PREMIUM - LAR

code	diameter	L	T	X
23502300	Ø 300	25,4	2,8	8,0
23502350	Ø 350	25,4	3,0	8,0
23502400	Ø 400	25,4	3,4	8,0

PREMIUM - BL

code	diameter	L	T	X
21502300	Ø 300	25,4	2,8	8,0
21502350	Ø 350	25,4	3,0	8,0
21502400	Ø 400	25,4	3,4	8,0

Wet cutting
Specific applications

TILES

continuous band

RIM SOFT CERAMICS

code	diameter	H	T	X
20000180	Ø 180	25,4	1,6	5,0
20000200	Ø 200	25,4	1,6	5,0
20000230	Ø 230	25,4	1,6	5,0
20000250	Ø 250	25,4	1,6	5,0
20000300	Ø 300	25,4	2,0	5,0
20000350	Ø 350	25,4	2,0	5,0

RIM PRO SOFT CERAMICS

code	diameter	H	T	X
20004300	Ø 300	25,4	2,0	**7,5**

HARD CERAMICS

continuous band

RIM HARD CERAMICS

code	diameter	H	T	X
20010180	Ø 180	25,4	1,6	5,0
20010200	Ø 200	25,4	1,6	5,0
20010230	Ø 230	25,4	1,6	5,0
20010250	Ø 250	25,4	1,6	5,0
20010300	Ø 300	25,4	2,0	5,0
20010350	Ø 350	25,4	2,0	5,0

RIM PRO HARD CERAMICS

code	diameter	H	T	X
20014300	Ø 300	25,4	2,2	**7,5**
20014350	Ø 350	25,4	2,2	**7,5**

TERRAZZO

TERRAZZO LA

code	diameter	L	T	X
31200304	Ø 300	40,0	3,2	8,0
31200354	Ø 350	40,0	3,2	8,0
31200400	Ø 400	40,0	3,4	8,0

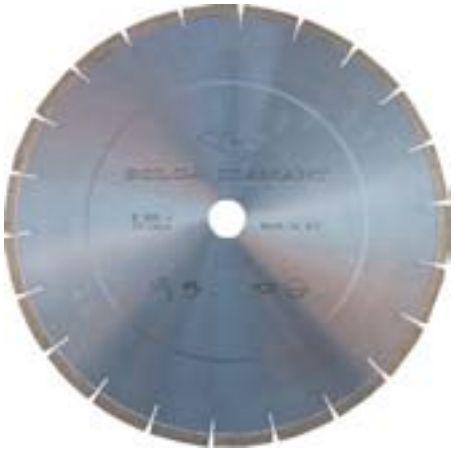
REFRACTORY

REFRACTORY LA

code	diameter	L	T	X
38203304	Ø 300	40,0	3,2	7,0
38203354	Ø 350	40,0	3,2	7,0
38203400	Ø 400	40,0	3,4	7,0

Specific applications

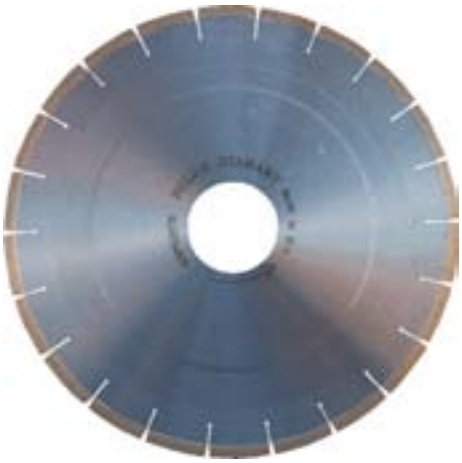
STONEWARE/HARD CERAMIC



STONEWARE/HARD CERAMIC LACC

code	diameter	L	T	X
27002300	Ø 300	40,0	2,6	8,0
27002350	Ø 350	40,0	2,6	8,0

GLASS



GLASS

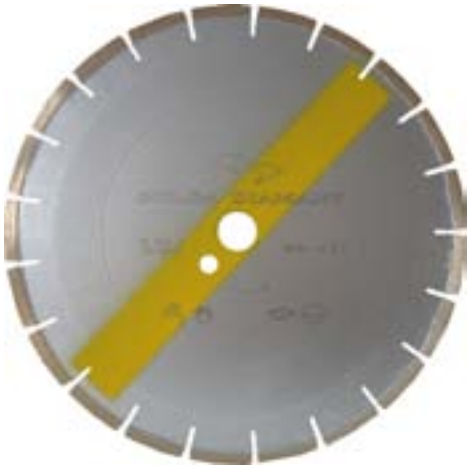
code	diameter	L	T	X
30002300	Ø 300	40,0	2,8	8,0
30002350	Ø 350	40,0	2,8	8,0

GRANITE

GRANITE B25V AL 1

code	diameter	L	T	X
33086304	Ø 300	40,0	2,8	10,0
33087304	Ø 350	40,0	2,8	15,0
33086354	Ø 300	40,0	3,0	10,0
33087354	Ø 350	40,0	3,0	15,0

MARBLE



MARBLE TYPE BW LA

code	diameter	L	T	X
32202304	Ø 300	40,0	2,8	8,0
32202354	Ø 350	40,0	3,2	8,0

Expansion joints cutting
Range of blades

The speed of the machine must be adequate for the material to be cut. The blade diameter is another very important factor while cutting.

The choice of blade is dependant upon the material to be cut:

Black red band
Blade designed for cutting cured concretes

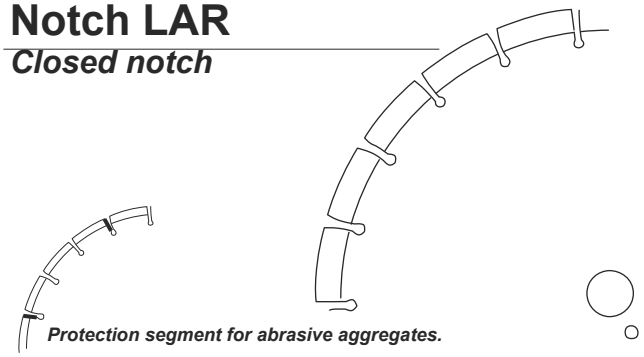
Black
Blade designed for cutting extremly abrasive asphalts

Black white band
Blade designed for cutting asphalt

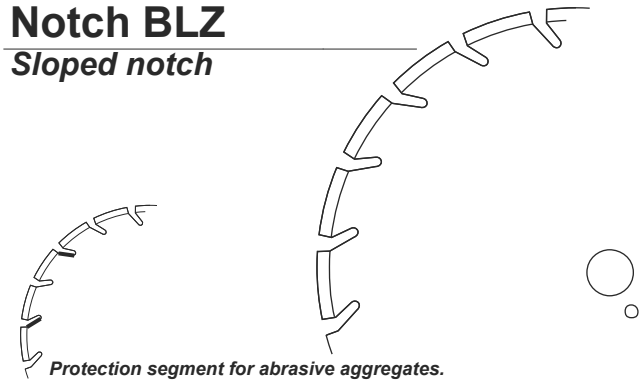
Black green band
Blade designed for cutting fresh concrete

Blade geometry

LAR. Closed notch



BLZ. Sloped notch



Floor saw machines

In order to adapt to the varied cutting requirements in cutting concretes and asphalts, the floor saws allow speed variation by either the use of the accelerator for increasing or reducing the speed of the blade.

The simple adjustment by the operative helps to obtain fast and economical work with the floor saw. Its high efficiency and performance turn it into a standard tool for the production of expansion joints in all types of concrete and asphalt floors.

The perfect synchronization between floor saws and blades assures an incredible performance, helping to achieve the best results in all types of work. Increased mobility is achieved due to the lightweight of these machines. These machines have an easily adjusted wheel to elevate or to lower the blade giving precise cutting depth adjustment.

Floor saw machine MJD 400 has got a plastic tank. The plastic tank leads to a lighter and more versatile machine in use. Its lightness allows this machine to be an indispensable tool when you have to make expansion joints cutting.

For machines with bigger diameters check models and prices.

MJD 400

MJD 500

MJD 600

Technical specifications

		MJD 400	MJD 500	MJD 600
Engine	Brand	HONDA	HONDA	HONDA
	Model	GX 390	GX 390	GX 620
	Power	13 HP	13 HP	20 HP
Maximum blade diameter (mm)		400	500	600
Maximum cutting depth (mm)		145	175	200
Starting		Manual	Manual	Electric
Dimensions (mm)		720x490x1070	1030x580x920	1200x750x1030
Weight (Kg)		103	135	250

Gasoline Engine

Floor saw cutting
Expansion joints blades

CURED CONCRETE

laser

CURED CONCRETE LAR

code	diameter	L	T	X
23603300	Ø 300	40,0	3,2	8,0
23603350	Ø 350	40,0	3,2	8,0
23603400	Ø 400	40,0	3,4	8,0
23603450	Ø 450	40,0	3,6	8,0

* Dimensions in stock.
* Other sizes are available for special orders.

CURED CONCRETE

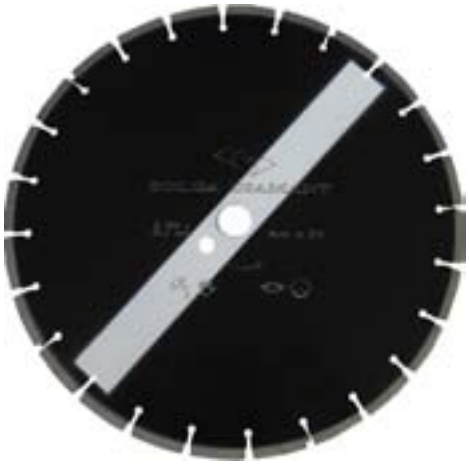
laser

CURED CONCRETE BLZ

code	diameter	L	T	X
24603300	Ø 300	40,0	3,2	8,0
24603350	Ø 350	40,0	3,2	8,0
24603400	Ø 400	40,0	3,4	8,0
24603450	Ø 450	40,0	3,6	8,0
24603500	Ø 500	40,0	3,8	8,0
24603600	Ø 600	40,0	4,5	8,0

* Dimensions in stock.
* Other sizes are available for special orders.

ASPHALT + CURED CONCRETE OVERLAY



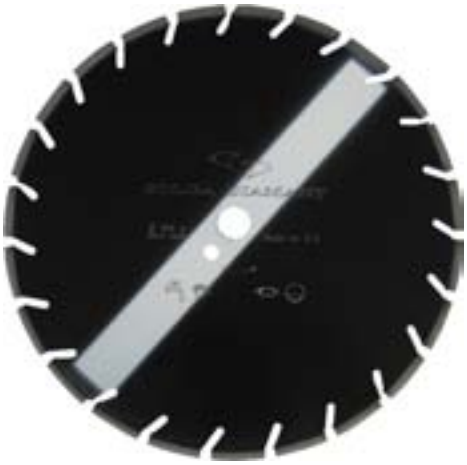
laser

ASPHALT + CURED CONCRETE OVERLAY LAR

code	diameter	L	T	X
23803300	Ø 300	40,0	3,2	8,0
23803350	Ø 350	40,0	3,2	8,0
23803400	Ø 400	40,0	3,4	8,0
23803450	Ø 450	40,0	3,6	8,0
23803500	Ø 500	40,0	3,8	8,0

* Dimensions in stock.
* Other sizes are available for special orders.

ASPHALT + CURED CONCRETE OVERLAY



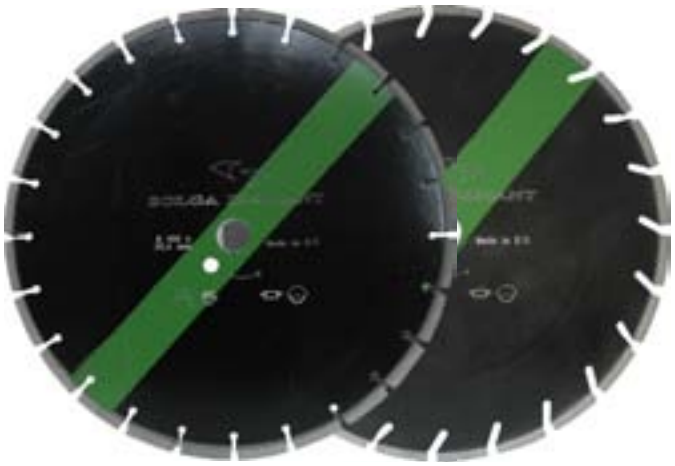
laser

ASPHALT + CURED CONCRETE OVERLAY BLZ

code	diameter	L	T	X
24803300	Ø 300	40,0	3,2	8,0
24803350	Ø 350	40,0	3,2	8,0
24803400	Ø 400	40,0	3,4	8,0
24803450	Ø 450	40,0	3,6	8,0
24803500	Ø 500	40,0	3,8	8,0
24803600	Ø 600	40,0	4,5	8,0

* Dimensions in stock.
* Other sizes are available for special orders.

FRESH CONCRETE



laser

FRESH CONCRETE LAR

code	diameter	L	T	X
23713300	Ø 300	40,0	3,2	8,0
23713350	Ø 350	40,0	3,2	8,0

FRESH CONCRETE BLZ

code	diameter	L	T	X
24713300	Ø 300	40,0	3,2	8,0
24713350	Ø 350	40,0	3,2	8,0

* Dimensions in stock.
* Other sizes are available for special orders.

ASPHALT

laser

ASPHALT LAR

code	diameter	L	T	X
23723300	Ø 300	40,0	3,2	8,0
23723350	Ø 350	40,0	3,2	8,0
23723400	Ø 400	40,0	3,4	8,0

ASPHALT BLZ

code	diameter	L	T	X
24723300	Ø 300	40,0	3,2	8,0
24723350	Ø 350	40,0	3,2	8,0
24723400	Ø 400	40,0	3,4	8,0
24723450	Ø 450	40,0	3,6	8,0
24723500	Ø 500	40,0	3,8	8,0
24723600	Ø 600	40,0	4,5	8,0

* Dimensions in stock.
* Other sizes are available for special orders.

CURED CONCRETE
Standard

laser

CURED CONCRETE LAR

code	diameter	L	T	X
2350230001	Ø 300	40,0	2,6	8,0
2350235001	Ø 350	40,0	2,8	8,0
2350240001	Ø 400	40,0	2,8	8,0
2350245001	Ø 450	40,0	2,8	8,0

ASPHALT + CURED CONCRETE
Standard

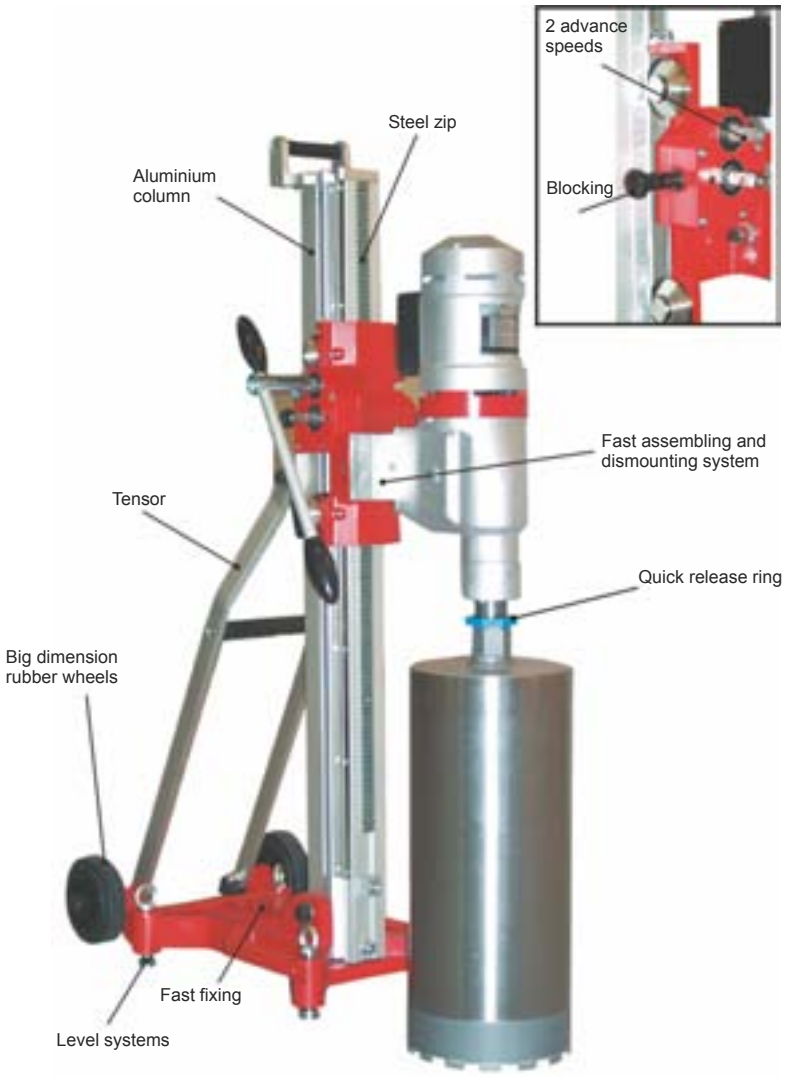
laser

ASPHALT + CURED CONCRETE BLZ

code	diameter	L	T	X
2481030010	Ø 300	40,0	2,8	7,0
2481035010	Ø 350	40,0	3,0	7,0
2481040010	Ø 400	40,0	3,2	7,0
2481045010	Ø 450	40,0	3,2	7,0

Drilling with diamond
Drilling machines

SOLGA DIAMANT offers global solutions to any problem that arises in the diamond core drilling field thanks to these elements:
- Drilling machines
- Diamond core bits



General characteristics

SOLGA DIAMANT has developed drilling machines to provide the maximum stability in the drill rig and also to provide optimal speeds and power of the motor to achieve the best performance.

Stable drill rigs :
- Base unit specially designed for ensuring a stable set up. It has an anchor bolt slot and corner levelling screws and has the fast fix anchoring system.
- Twin backstays help to minimize the vibrations generated during drilling.
- Steel zip
- The carriage is guided through four conical adjustable wheels that operate on steel .

Diamond core bits

SOLGA DIAMANT uses the latest technology for manufacturing their diamond core bits, supplying core bits adapted to meet market requirements and offering higher drilling speeds and performance. Bonds laser welded or by induction, depending upon each application.

The continuous study of different concretes and reinforced concretes confirms SOLGA´s ability to adapt their core bits and drilling equipment to meet the demanding requirements of the diamond drilling market.

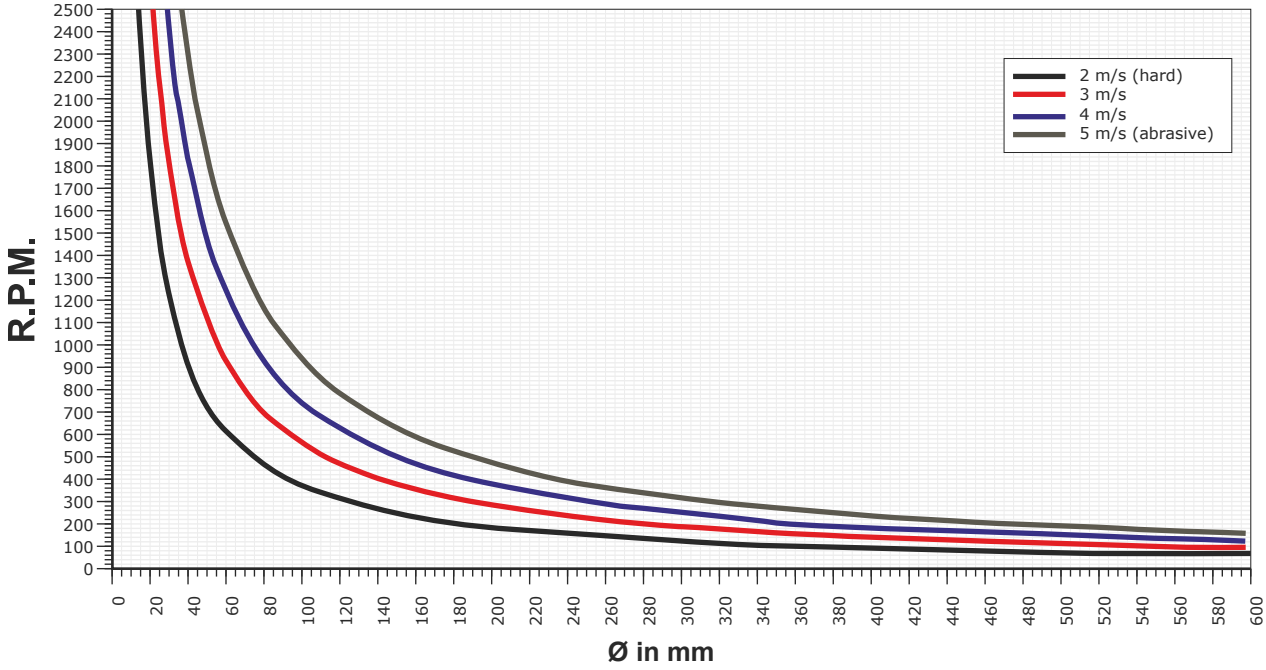
Accessories drill bits ½"GAS
Extension to:
100-200-300-400-500 mm
Adaptor ½"GAS - 1"1/4 UNC

Accessories drill bits 1"1/4 UNC
Extension to:
100-200-300-400-500 mm
Adaptor 1"1/4 UNC - ½"GAS

Engines (power and speeds)

SOLGA has adjusted the power and speed of the drill motors following an intensive market study, and taking into consideration the more popular diameters and characteristics of the materials to be drilled.
Different diameters require different speeds and these speeds are determinated by the type of material to be drilled.
Siliceous concretes and highly reinforced concretes require a lower speed. Calcareous concretes or concretes with low reinforcement requires higher speeds.
As a result of these studies, SOLGA DIAMANT drilling machines allows the achievement of excellent results in drilling reinforced concretes.

Power study



Selection chart for drilling machines

Ø DRILL BITS													
HARD CONCRETE	5-14	15-25	28-52	32-52	42-72	62-92	72-122	92-162	102-152	112-152	162-282	192-252	320-502
ABRAS. CONCR.	15-32	25-42	52-72	52-82	72-112	92-152	122-182	162-225	152-252	152-525	282-402	252-502	502-900

MODEL	ENGINES / R.P.M.												
SDM09				1700			540						
SDM16	6500												
SDM20		2520		1200			540						
SDM32			1300		860			430					
SDM37					730	610	470	470	390	300	240	200	150
SDM52										360	240		120

MODEL	RIGS
SDR150	
SDR220	
SDR450	
SDR600	
SDR900	

1- Select the type of concrete (abrasive or hard).
2- Select the diameter drills you wish to use.
3- Select the motor best suited for your type of work depending on the drill diameter to be used and the type of concrete to be drilled.
4- Continue checking the table till you find the correct drill rig for your type of work.

Drilling with diamond
Engines

Engine SDM 09

Coupling ball valve for wet drilling

Coupling exhaust adapter for dry drilling

SOLGA SDM 09 (Dry + Wet)

Description

Power input (W)	1800	
Pwer output (W)	1200	
Speed (rpm)	1st gear 540	2nd gear 1700
Recommended diameters (mm) Concrete (rig operated) Concrete (handheld) Masonry (handheldl)	 Ø 30 -150 Ø 30 - 80 Ø 30 - 200	
Total length (mm)	485	
Weigth (kg)	5,2	
Conection (")	½"GAS - 1"1/4 UNC	

SOLGA SDM 16 + water collector ring

Description

Voltage (V)	230
Amperage (A)	7,5
Power input (W)	1600
Power output (W)	1080
Frequency (Hz)	50-60
Speed (rpm)	6500
Recommended diameters (mm)	Ø 10-30
Weight (kg)	5,5
Conection (")	½"GAS

The water collector ring is not included in the motor. It should be ordered separately.

Water collector ring

Engine SDM 16

SOLGA SDM 20

Descripción

Voltage (V)	230		
Amperage (A)	7,5		
Power input (W)	2000		
Power output (W)	1340		
Frequency (Hz)	50-60		
Speed (rpm)	1st gear 540	2nd gear 1200	3rd gear 2520
Recommended diameters (mm) Hard concrete/dure Abrasive concrete	1st gear Ø 72-122 Ø 122-182	2nd gear Ø 32-52 Ø 52-82	3rd gear Ø 15-25 Ø 25-42
N.m	1st gear 31	2nd gear 16	3rd gear 10
Weight SDM 20 (kg)	5,9		
Conection (")	½"GAS - 1"1/4 UNC		

Engine SDM 20

SOLGA SDM 32

Description

Voltage (V)	230		
Amperage (A)	15		
Power input (W)	3200		
Power output (W)	2300		
Frequency (Hz)	50-60 Hz		
Speed (rpm)	1st gear 430	2nd gear 860	3rd gear 1300
Recommended diameters (mm) Hard concrete/cured Abrasive concrete	1st gear Ø 92-162 Ø 162-225	2nd gear Ø 48-82 Ø 82-112	3rd gear Ø 32-52 Ø 52-72
N.m	1st gear 45	2nd gear 23	3rd gear 23
Drill bit diameter (mm)	32-225		
Weight (kg)	11,9		
Conection (")	1"1/4 UNC		

Engine SDM 32

Engine SDM 37

SOLGA SDM 37

Description

Voltage (V)	230		
Amperage (A)	16		
Power input (W)	3700		
Power output (W)	2700		
Frequency (Hz)	50-60		
1st speed (rpm)	1st gear 150	2nd gear 300	3rd gear 470
Hard concrete/cured Abrasive concrete	Ø 252-502 Ø 502-602	Ø 122-225 Ø 225-322	Ø 82-142 Ø 142-202
2nd speed (rpm)	1st gear 200	2nd gear 390	3rd gear 610
Hard concrete/cured Abrasive concrete	Ø 192-352 Ø 352-502	Ø 102-172 Ø 172-252	Ø 62-112 Ø 112-152
3rd speed (rpm)	1st gear 240	2nd gear 470	3rd gear 730
Hard concrete/cured Abrasive concrete	Ø 162-282 Ø 282-402	Ø 82-142 Ø 142-202	Ø 52-92 Ø 92-132
Weight (kg)	16		
Conection (")	1"1/4 UNC		

Drilling with diamond
Engines

SOLGA SDM 52

Description

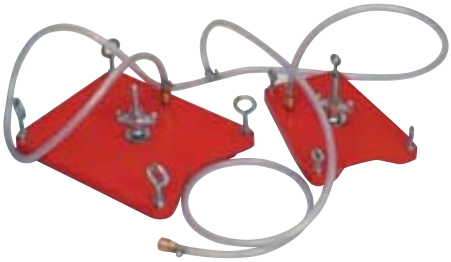
Voltage (V)	400		
Amperage (A)	9,5		
Power input (W)	5200		
Power output (W)	4000		
Frequency (Hz)	50-60		
Speed (rpm)	1st gear 120	2nd gear 240	3rd gear 360
Recommended diameters (mm) Hard concrete/cured Abrasive concrete	1st gear Ø 320-502 Ø 502-900	2nd gear Ø 162-282 Ø 282-402	3rd gear Ø 112-152 Ø 152-262
(N.m)	1st gear 318	2nd gear 159	3rd gear 106
Machine´s diameters (mm)	110-500		
Weight (kg)	22,9		
Conection (")	1"1/4 UNC		

Engine SDM 52

Accessories

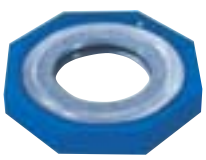
Water pump

Vacuum pump



Vacuum plates

Water collector



Quick release ring

Fast fixing system

Rigs

SOLGA SDR 150/220

Description

Maximum drill diameter (mm)	150/220
Total height (mm)	1050
Size of standard base plate (mm)	240 x 340
Total useful stroke (drill motor dependent) (mm)	500
Weight (kg)	10

SDR 150

SDR 220

SDR 450

SOLGA SDR 450

Description

Maximum drill diameter (mm)	450
Total height (mm)	1050
Size of standard base plate (mm)	260 x 460
Total useful stroke (drill motor dependent) (mm)	600
Weight (kg)	23

SDR 600

SOLGA SDR 600

Description

Maximum drill diameter (mm)	600
Total height (mm)	1118
Size of standard base plate (mm)	300 x 560
Total useful stroke (drill motor dependent) (mm)	600
Weight (kg)	26

SDR 900

SOLGA SDR 900

Description

Maximum drill diameter (mm)	900
Total height (mm)	1160
Size of standard base plate (mm)	256 x 435
Total useful stroke (drill motor dependent) (mm)	900
Weight (kg)	24

Drilling with diamond
Wet drilling

Type of connection

Connection ½"GAS

Connection 1"1/4 UNC

Type of segments

Segmented

Ring

DRIL BITS FOR CONCRETE Long. 350 mm 1/2" GAS

code	diameter	L	T	X
42700012	Ø 12	Ring	2,0	6/2
42700014	Ø 14	Ring	2,0	6/2
42700016	Ø 16	Ring	2,0	6/2
42700018	Ø 18	Ring	2,0	6/2
42700020	Ø 20	Ring	2,0	6/2
42700022	Ø 22	Ring	2,0	6/2
42700024	Ø 24	Ring	2,0	6/2
42700025	Ø 25	Ring	2,5	6/2
42700028	Ø 28	Ring	2,5	6/2
42700030	Ø 30	Ring	2,5	6/2
42700032	Ø 32	Ring	2,5	6/2
42700035	Ø 35	Ring	2,5	6/2
42700042	Ø 42	Ring	3,0	6/2
42700052	Ø 52	Ring	3,5	6/2
42400022	Ø 22	15	3,0	8,0
42400024	Ø 24	15	3,0	8,0
42400025	Ø 25	15	3,0	8,0
42400027	Ø 27	15	3,0	8/2
42400028	Ø 28	15	3,0	8/2
42400030	Ø 30	15	3,0	8/2
42400032	Ø 32	15	3,0	8/2
42400035	Ø 35	15	3,0	8/2
42400038	Ø 38	15	3,0	8/2
42400042	Ø 42	15	3,0	8/2
42400047	Ø 47	15	3,0	8/2
42400052	Ø 52	15	3,5	8/2
42400062	Ø 62	15	3,5	8/2
42400072	Ø 72	15	3,5	8/2
42400082	Ø 82	15	3,5	8/2
42400092	Ø 92	15	3,5	8/2
42400102	Ø 102	15	3,5	8/2
42400112	Ø 112	20	3,5	8/2

DRIL BITS FOR CONCRETE Long. 450 mm 1" 1/4 UNC

code	diameter	L	T	X
42401052	Ø 52	24	3,5	8/2
42401062	Ø 62	24	3,5	8/2
42401072	Ø 72	24	3,5	8/2
42401082	Ø 82	24	3,5	8/2
42401092	Ø 92	24	3,5	8/2
42401102	Ø 102	24	3,5	8/2
42401112	Ø 112	24	3,5	8/2
42401122	Ø 122	24	3,5	8/2
42401132	Ø 132	24	3,5	8/2
42401142	Ø 142	24	3,5	8/2
42401152	Ø 152	24	4,0	8/2
42401162	Ø 162	24	4,0	8/2
42401172	Ø 172	24	4,0	8/2
42401182	Ø 182	24	4,0	8/2
42401202	Ø 202	24	4,5	8/2
42401225	Ø 225	24	4,5	8/2
42401252	Ø 252	24	3,5	8/2
42401302	Ø 302	24	5,0	8/2
42401325	Ø 325	24	5,0	8/2
42401352	Ø 352	24	5,0	8/2
42401402	Ø 402	20	5,0	7,0
42401452	Ø 452	20	5,0	7,0
42401502	Ø 502	20	5,0	7,0
42401602	Ø 602	20	5,0	7,0

- Standard usefull lenght 450 mm
- Available in lengths 600 – 1000 – 1500 mm
- Ask for other dimensions

Ring:
- Standard usefull lenght 350 mm
- Available in lengths 150 - 600 - 1000 mm

Segmented:
- Standard usefull lenght 350 mm
- Available in lengths 1000 - 1500 mm

Segments for drill bits

SEGMENTS FOR DRILL BITS

drill bit diameter	dimensions
Ø 30 - 42	15 x 3,0 x 8/2
Ø 52 - 142	24 x 3,5 x 8/2
Ø 152 - 202	24 x 4,0 x 8/2
Ø 212 - 277	24 x 4,5 x 8/2
Ø 282 - 352	24 x 5,0 x 8/2
from Ø 372	20 x 5,0 x 7,0

RINGS FOR DRILL BITS

Ring for Ø 12 till Ø 52 mm

Dry drilling

Masonry laser drill bits

Drill bit laser welded for masonry dry drilling. These drill bits are available in **50mm – 60 mm -150 mm** long
These drill bits are for rotary use only.

DRY MASONRY DRILL BIT. 150 mm - M16

code	diameter	L	T	X
42402032	Ø 32	16	3,0	8,0
42402042	Ø 42	16	3,5	8,0
42402052	Ø 52	24	3,5	8,0
42402057	Ø 57	24	3,5	8,0
42402068	Ø 68	24	3,5	8,0
42402072	Ø 72	24	3,5	8,0
42402082	Ø 82	24	3,5	8,0
42402092	Ø 92	24	3,5	8,0
42402102	Ø 102	24	3,5	8,0
42402107	Ø 107	24	3,5	8,0
42402112	Ø 112	24	3,5	8,0
42402122	Ø 122	24	3,5	8,0
42402127	Ø 127	24	3,5	8,0
42402132	Ø 132	24	3,5	8,0
42402142	Ø 142	24	3,5	8,0
42402152	Ø 152	24	3,5	8,0
42402162	Ø 162	24	4,0	7,0
42402202	Ø 202	24	4,0	7,0

DRY MASONRY DRILL BIT Long. 50 mm – M16

code	diameter	L	T	X
42403032	Ø 32	16	3,0	8,0
42403042	Ø 42	16	3,0	8,0
42403052	Ø 52	24	3,5	8,0
42403057	Ø 57	24	3,5	8,0
42403068	Ø 68	24	3,5	8,0
42403072	Ø 72	24	3,5	8,0
42403082	Ø 82	24	3,5	8,0
42403092	Ø 92	24	3,5	8,0
42403112	Ø 112	24	3,5	8,0
42403127	Ø 127	24	3,5	8,0
42403132	Ø 132	24	3,5	8,0
42403152	Ø 152	24	3,5	8,0
DRY MASONRY DRILL BIT Long. 60 mm – M16				
42603068	Ø 68	24	3,5	8,0
42603082	Ø 82	24	3,5	8,0

Pin drill bits

Granite

PIN DRILL BITS FOR GRANITE Hexagonal

code	diameter	total leght	body leght	segment leght
42304005	Ø 5	90	80	10
42304006	Ø 6	90	80	10
42304007	Ø 7	90	80	10
42304008	Ø 8	90	80	10
42304010	Ø 10	90	80	10
42304012	Ø 12	90	80	10
42304014	Ø 14	90	80	10

Special for Porcelain

BROCA PIVOTE PORCELANATO Cilindrycal

code	diameter	total leght	body leght	segment leght
42205106	Ø 6	90	80	10
42205108	Ø 8	90	80	10
42205110	Ø 10	90	80	10
42205112	Ø 12	90	80	10

PIN DRILL BITS HARD CERAMICS M14

code	diameter	total leght	body leght	segment leght
42205006	Ø 6	90	80	10
42205008	Ø 8	90	80	10
42205010	Ø 10	90	80	10
42205012	Ø 12	90	80	10

To drill only hard ceramics.
NOT CONCRETE.

Corna System

Complete Corna device

Special device to adapt a drilling machine to make perfect holes with diamond drill bits cooled by water in very hard materials.

Description:

- Device for guiding the drill bit, free of vibration.
- Water injector.
- Water pump tank.
- Drill bits for dry and wet cutting.

COMPLETE CORNA DEVICE SYSTEM

code	descripción
72000200	Guide drill bit free of vibration
72000300	Water injector
72000400	Water pump tank

Diamond Drilling

Core breaker GRANITE

ring

segmented

CORE BREAKER -Ring

code	diameter	L	T	X
42705012	Ø 12	Ring	2,0	6,2
42705014	Ø 14	Ring	2,0	6,2
42705016	Ø 16	Ring	2,0	6,2
42705018	Ø 18	Ring	2,0	6,2
42705020	Ø 20	Ring	2,0	6,2
42705022	Ø 22	Ring	2,0	6,2
4230502533	Ø 25	Ring	2,0	6,2
4230503233	Ø 32	Ring	2,0	6,2
4230503533	Ø 35	Ring	2,0	6,2
4230504233	Ø 42	Ring	3,0	6,2

CORE BREAKER - Segmented

4270502210	Ø 22	15	2,5	8,0
4230502510	Ø 25	15	2,5	8,0
4230503210	Ø 32	15	2,5	8,0
4230503510	Ø 35	15	2,5	8,0
4230504210	Ø 42	15	2,5	8,0
4230504710	Ø 47	15	2,5	8,0
4230505210	Ø 52	24	2,5	8,0
4230506210	Ø 62	24	2,5	8,0
4230506710	Ø 67	24	2,5	8,0
4230507210	Ø 72	24	2,5	8,0
4230508210	Ø 82	24	2,5	8,0

Core breaker MARBLE

electroplated

vacuum brazed

ELECTROPLATED CORE BITS

code	diameter	L	T	X
43205010	Ø 10	Ring	3,5	10,0
43205015	Ø 15	Ring	3,5	10,0
43205020	Ø 20	Ring	3,5	10,0
43205025	Ø 25	Ring	3,5	10,0
43205030	Ø 30	Ring	3,5	10,0
43205035	Ø 35	Ring	3,5	10,0
43205040	Ø 40	Ring	3,5	10,0
43205045	Ø 45	Ring	3,5	10,0
43205050	Ø 50	Ring	3,5	10,0
43205055	Ø 55	Ring	3,5	10,0
43205060	Ø 60	Ring	3,5	10,0
43205070	Ø 70	Ring	3,5	10,0
43205080	Ø 80	Ring	3,5	10,0

VACUUM BRAZED

43235025	Ø 25	Ring	3,0	5,0
43235030	Ø 30	Ring	3,0	5,0
43235035	Ø 35	Ring	3,0	5,0
43235040	Ø 40	Ring	3,0	5,0

Core breaker SPECIAL KITCHEN TOPS

segmented

electroplated

CORE BREAKER FOR GRANITE

code	diameter
42005070	Ø 50/70

CORE BREAKER FOR MARBLE

code	diameter
43208070	Ø 50/70

ROUGHING CUTTERS

segmented

electroplated

ROUGHING CUTTERS FOR GRANITE

code	diameter	H
49830070	Ø 70	35

ROUGHING CUTTERS FOR MARBLE

code	diameter	H
47830070	Ø 70	35

Small profilling wheels

FOR HARD MATERIALS. Undulate

code	diameter	L	fixation
47925506	Ø 25	50	1/2"GAS

FOR HARD MATERIALS. Straight

code	diameter	L	fixation
47925505	Ø 25	50	1/2"GAS

FOR ENGINEERING STONES

code	diameter	L	fixation
47925505	Ø 25	40	1/2"GAS

ELECTROPLATED FOR MARBLE. Special

code	diameter	L	fixation
47900000	Ø 25	40	1/2"GAS

Diamond points

Diamond points for Air-Grinder GP-435.
Grains 40/50 – 60/80 – 100/120.

DIAMOND POINTS handle 6 mm

code	handle	pzs	type
56406101	6 mm	10	grind Ø 10X1,2
56406102	6 mm	10	cylindrical with radius Ø 6,5
56406103	6 mm	10	tree Ø 8X15
56406104	6 mm	10	tree Ø 6,5X22
56406107	6 mm	10	cylindrical Ø 8X15
56406108	6 mm	10	cone Ø 8/Ø 4X15
564061-1	6 mm	10	grind Ø 10X1,2
564061-2	6 mm	10	cylindrical with radius Ø 6,5
564061-3	6 mm	10	tree Ø 8X15
564061-4	6 mm	10	tree Ø 6,5X22
564061-5	6 mm	10	cylindrical with radius 10ºX25
564061-6	6 mm	10	cone needle Ø 8X30º
564061-7	6 mm	10	cylindrical Ø 8X15
564061-8	6 mm	10	cone Ø 8/ Ø 4X15
564061-9	6 mm	10	taper Ø 8X20º
564061-0	6 mm	10	ball Ø 8

Diamond points for Air-Grinder SA-6302.
Grains 120.

DIAMOND POINTS handle 3 mm

code	handle	pzs	type
56401110	3 mm	10	cylindrical Ø 1
56401115	3 mm	10	cylindrical Ø 1,5
56401120	3 mm	10	cylindrical Ø 2
56401125	3 mm	10	cylindrical Ø 2,5
56401130	3 mm	10	cylindrical Ø 3
56401140	3 mm	10	cylindrical Ø 4
56401150	3 mm	10	cylindrical Ø 5
56401215	3 mm	10	cylindrical with radius Ø 1,5
56401220	3 mm	10	cylindrical with radius Ø 2
56401225	3 mm	10	cylindrical with radius Ø 2,5
56401230	3 mm	10	cylindrical with radius Ø 3
56401240	3 mm	10	cylindrical with radius Ø 4
56401250	3 mm	10	cylindrical with radius Ø 5
56401321	3 mm	10	cone Ø 2-1
56401332	3 mm	10	cone Ø 3-2
56401431	3 mm	10	cone with radius Ø 3,3-1
56401432	3 mm	10	cone with radius Ø 3,3-2
56401503	3 mm	10	cone needle 3º
56401507	3 mm	10	cone needle 7º
56401510	3 mm	10	cone needle 10º
56401620	3 mm	10	tree Ø 2
56401630	3 mm	10	tree Ø 3
56401640	3 mm	10	tree Ø 4
56401650	3 mm	10	tree Ø 5
56401710	3 mm	10	ball Ø 1
56401720	3 mm	10	ball Ø 2
56401730	3 mm	10	ball Ø 3
56401740	3 mm	10	ball Ø 4
56401750	3 mm	10	ball Ø 5
56401760	3 mm	10	ball Ø 6
56401770	3 mm	10	ball Ø 7
56401780	3 mm	10	ball Ø 8

Cylindrical with radius

Cone needle

Taper

Tree

Cylindrical

Grind

Ball

Cone with radius

Air Grinder

AIR GRINDER SA - 6302

code	description
71000260	65.000 rpm
	Ø pinzer 3 mm
	consumption of air 8,4 L / min.
	recommended pressure of air 90 psi

AIR GRINDER GP - 435

code	description
71001512	35.000 rpm
	Ø pincer 3 and 6 mm
	consumption of air 2,6 cfm
	recommended pressure of air 90 psi

Grinding in dry conditions

Grinding crowns for granite

SINGLE ROW CROWN

SINGLE ROW CROWN

code	diameter	connection
53111100	Ø 100	M14
53111125	Ø 125	M14
53111150	Ø 150	M14

Available with shaft size 22,2 mm

DOUBLE ROW CROWN

DOUBLE ROW CROWN

code	diameter	connection
53121100	Ø 100	M14
53121125	Ø 125	M14
53121150	Ø 150	M14

Available with shaft size 22,2 mm

HIGH CAPACITY ROUGH GRINDING CROWN

HIGH CAPACITY ROUGH GRINDING CROWN

code	diameter	connection
53131100	Ø 100	M14
53131125	Ø 125	M14
53131150	Ø 150	M14

Available with shaft size 22,2 mm

GRINDING CROWN + ABRASIVE

GRINDING CROWN + ABRASIVE

code	diameter	connection
52610810	Ø 100	M14
52610912	Ø 125	M14
52611015	Ø 150	M14

GRINDING CROWN RING PRO

GRINDING CROWN RING PRO

code	diameter	connection
53144100	Ø 100	M24

Grinding crowns for concrete

ROUGH GRINDING CROWN CONCRETE TYPE L

CROWN CONCRETE Type L

code	diameter	H
52631812	Ø 125	22,2
52631815	Ø 150	19,0
52631818	Ø 180	22,2

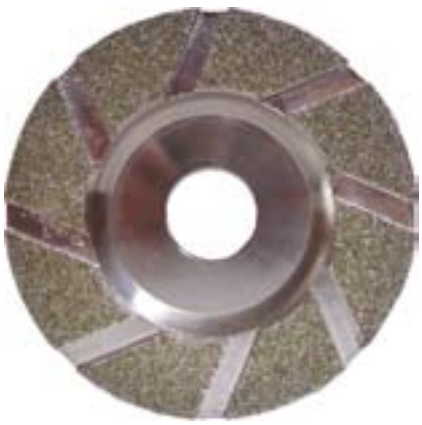
ROUGH GRINDING CROWN CONCRETE DOUBLE ROW

CROWN CONCRETE Double row

code	diameter	H
53220180	Ø 180	22,2

Grinding crowns for marble

CROWN FLAT SHAPE electroplated



CROWN FLAT SHAPE

code	diameter	H
54200100	Ø 100	22,2

CROWN POLISHING PAD SHAPE FINE GRAIN electroplated

CROWN POLISHING PAD SHAPE

code	diameter	H
54223100	Ø 100	22,2

Floor treatment

For all kind of machines

Code 51241000
Metallic trapezium shape
Type Aren. 60 / Z-2

Code 51243001
For concrete grinding
Type HTCFG 25/30 / Z-3

Code 51242000
Concrete grinding
Type PZO / Z-5

Code 51242001
Concrete grinding
Type PZO / Z-7

Code 51242002
Concrete grinding
Type PZO / Z-7

Code 5299200920
For resin grinding
Type BRHF / Z-9 y Z-12
Ø 200 mm

For all kind of grains, for rough grinding, fine grinding, polishing.

Code 5299200910
Concrete polishing plate
Type PZO / Z-9

Code 52993018
Standard plate
Type PZO / Z-18
Hole 60 mm – Ø 200 mm

Code 51243002
Metallic curved shape
It is coupled with plates of
Ø 250 y 300 mm

Code 529B2520
Concrete polishing plate
Type BG250 / Z-20
Ø 250 mm

Code 52993024
Standard plate
Type PZO / Z-24

Polishing plate for resin
Ø 150 – 200 – 250 – 300 mm

Concrete cutting
Diamond Wire

SOLGA DIAMANT offers diamond wire of high quality for cutting concrete, reinforced concrete and other stone materials used in construction.

The special rubber coating used in the production of the construction diamond wires minimizes the breaks of wire giving a high flexibility and security during the cut.

The wires are produced using a last generation technology in all of its process.
The production of diamond beads by HIP process (Hot Isostatic Pressing) provides a very high retention of the diamond, 95% retention instead of 50/60% you get with beads manufactured by sintering process and other production system. HIP production process provides a high speed, straight cutting (especially in horizontal cuts) and a very good performance.

The diamond wire is supplied ready for use, without the necessity of sharpen the diamond during the first cuts.

Standard wire for construction: rubber wire+springs 40 beads per meter Ø 10,5 x 5 mm.
Other configurations available.

Range of wires:
- For granite quarries
- For marble quarries
- For workshop machines – granite cutting/marble cutting
- For cutting ornamental stones
- For construction
- For demolition

Wire saw machine

Wire saw machine for concrete cutting.
Thanks to the low weight and easy use, only one worker can perform any kind of cut, being a fully flexible system.

Technical specifications:
- Wire storage of 11,5 m
- Power of the motor 11 kw
- Soft start
- Automatic regulation of forward moving
- Easy instalation and using
- Strong rig
- Control box

Wall saw blades

When choosing the correct blade for wall sawing in reinforced concrete, certain parameters must be taken in mind: the power of the machine and the main material characteristics.
SOLGA DIAMANT have a complete range of wall saw blades that allows fast and clean cutting as well as the best performance that will ensure that the best cost/production ratio can be achieved.

WALL SAW BLADES

code	diameter	L	T	X	welding
3411645010	Ø 450	50 Type U	4,5	8/2	Laser
3411660010	Ø 600	50 Type U	4,5	8/2	Laser
3411670010	Ø 700	50 Type U	4,5	8/2	Laser
3411680010	Ø 800	50 Type U	4,5	8/2	Laser
3411690010	Ø 900	50 Type U	4,5	8/2	Laser
3411610010	Ø 1000	50 Type U	4,5	8/2	Laser
3411612010	Ø 1200	50 Type U	4,5	8/2	Laser
3411615010	Ø 1500	50 Type U	4,5	8/2	Brazed
3411616010	Ø 1600	50 Type U	4,5	8/2	Brazed
3411612010	Ø 2000	50 Type U	4,5	8/2	Brazed

PRE-CUTTING WALL SAW BLADES

code	diameter	L	T	X	welding
34116603	Ø 600	50 Type U	5,0	8/2	Laser
34116803	Ø 800	50 Type U	5,0	8/2	Laser
34116903	Ø 900	50 Type U	5,0	8/2	Laser

Special applications for the material to be cut:

- Hard and reinforced concretes
- Abrasive and reinforced concretes
- Siliceous and low reinforced concretes
- Abrasive and low reinforced concretes

Segment type U of double shape which provides a continuous, clean and fast cut.
Designed for different kinds of reinforced concretes.
Laser welding offers a better performance and higher security at work.

Drilling with percussion and hammer drill bits

Metal drills Green line

Bit helicoid for percussion for all type of materials, special marble, bricks, masonry, etc.

METAL DRILLS FOR NATURAL STONE – GREEN LINE

code	diameter	lenght	code	diameter	lenght
80003060	Ø 3,0	60	80014600	Ø 14,0	600
80003575	Ø 3,5	75	80014999	Ø 14,0	1000
80004075	Ø 4,0	75	80015150	Ø 15,0	150
80004585	Ø 4,5	85	80015400	Ø 15,0	400
80005085	Ø 5,0	85	80016150	Ø 16,0	150
80005150	Ø 5,0	150	80016400	Ø 16,0	400
80005595	Ø 5,5	95	80016600	Ø 16,0	600
80006100	Ø 6,0	100	80016999	Ø 16,0	1000
80006150	Ø 6,0	150	80017150	Ø 17,0	150
80006400	Ø 6,0	400	80017400	Ø 17,0	400
80006600	Ø 6,0	600	80018160	Ø 18,0	160
80006999	Ø 6,0	1000	80018400	Ø 18,0	400
80006105	Ø 6,5	100	80018600	Ø 18,0	600
80007100	Ø 7,0	100	80019160	Ø 19,0	160
80008120	Ø 8,0	120	80019400	Ø 19,0	400
80008200	Ø 8,0	200	80020160	Ø 20,0	160
80008400	Ø 8,0	400	80020400	Ø 20,0	400
80008600	Ø 8,0	600	80020600	Ø 20,0	600
80008999	Ø 8,0	1000	80020999	Ø 20,0	1000
80009120	Ø 9,0	120	80022160	Ø 22,0	160
80010120	Ø 10,0	120	80022400	Ø 22,0	400
80010200	Ø 10,0	200	80022600	Ø 22,0	600
80010400	Ø 10,0	400	80024160	Ø 24,0	160
80010600	Ø 10,0	600	80024400	Ø 24,0	400
80010999	Ø 10,0	1000	80026160	Ø 26,0	160
80011150	Ø 11,0	150	80026400	Ø 26,0	400
80012150	Ø 12,0	150	80026600	Ø 26,0	600
80012400	Ø 12,0	400	80028160	Ø 28,0	160
80012600	Ø 12,0	600	80028400	Ø 28,0	400
80012999	Ø 12,0	1000	80028600	Ø 28,0	600
80013150	Ø 13,0	150	80030400	Ø 30,0	400
80013400	Ø 13,0	400	80032400	Ø 32,0	400
80014150	Ø 14,0	150	80034300	Ø 34,0	300
80014400	Ø 14,0	400	80035400	Ø 35,0	400

Bit for granite Black line

High performance cylindrical bit with hard metal tablet specialy for drilling granite and concrete

BIT FOR GRANITE – BLACK LINE

code	diameter	lenght	code	diameter	lenght
81003060	Ø 3,0	60	81007100	Ø 7,0	100
81003575	Ø 3,5	75	81008120	Ø 8,0	120
81004075	Ø 4,0	75	81009120	Ø 9,0	120
81005085	Ø 5,0	85	81010120	Ø 10,0	120
81006100	Ø 6,0	100	81012150	Ø 12,0	150

Metal drill for concrete SDS-plus Blue line

The hammer drill SDS-plus allows a high performance and simplify the job while drilling concrete and granites

METAL HAMMER DRILL SDS-plus BLUE LINE

code	diameter	lenght	code	diameter	lenght
83004110	Ø 4,0	110	83014460	Ø 14,0	460
83005110	Ø 5,0	110	83014600	Ø 14,0	600
83005160	Ø 5,0	160	83014999	Ø 14,0	1000
83006110	Ø 6,0	110	83015160	Ø 15,0	160
83006110	Ø 6,0	160	83015260	Ø 15,0	260
83006210	Ø 6,0	210	83016160	Ø 16,0	160
83007110	Ø 7,0	110	83016210	Ø 16,0	210
83007160	Ø 7,0	160	83016260	Ø 16,0	260
83008110	Ø 8,0	110	83016300	Ø 16,0	310
83008160	Ø 8,0	160	83016450	Ø 16,0	450
83008210	Ø 8,0	210	83016600	Ø 16,0	600
83008310	Ø 8,0	310	83016999	Ø 16,0	100
83008460	Ø 8,0	460	83017200	Ø 17,0	200
83008610	Ø 8,0	610	83018200	Ø 18,0	200
83009160	Ø 9,0	160	83018300	Ø 18,0	300
83009210	Ø 9,0	210	83018450	Ø 18,0	450
83010110	Ø 10,0	110	83018600	Ø 18,0	600
83010160	Ø 10,0	160	83018999	Ø 18,0	1000
83010210	Ø 10,0	210	83019200	Ø 19,0	200
83010260	Ø 10,0	260	83019450	Ø 19,0	450
83010310	Ø 10,0	310	83020200	Ø 20,0	200
83010460	Ø 10,0	460	83020300	Ø 20,0	300
83010600	Ø 10,0	610	83020450	Ø 20,0	450
83011160	Ø 11,0	160	83020600	Ø 20,0	600
83011310	Ø 11,0	260	83020999	Ø 20,0	1000
83012160	Ø 12,0	160	83022250	Ø 22,0	250
83012210	Ø 12,0	210	83022300	Ø 22,0	300
83012260	Ø 12,0	260	83022450	Ø 22,0	450
83012310	Ø 12,0	310	83022600	Ø 22,0	600
83012460	Ø 12,0	460	83022999	Ø 22,0	1000
83012600	Ø 12,0	600	83024250	Ø 24,0	250
83012999	Ø 12,0	1000	83024450	Ø 24,0	450
83013160	Ø 13,0	160	83025250	Ø 25,0	250
83013310	Ø 13,0	310	83025300	Ø 25,0	300
83014160	Ø 14,0	160	83025450	Ø 25,0	450
83014210	Ø 14,0	210	83026250	Ø 26,0	150
83014260	Ø 14,0	260	83026450	Ø 26,0	450
83014310	Ø 14,0	310			

SDS-plus 4 spike

From Ø20 is produced with quadruplo head saw. It allows good conduction for more precise drilling.

HAMMER BIT SDS-plus 4 spikes – BLUE LINE

code	diameter	lenght	code	diameter	lenght
83020454	Ø 20,0	250	83028454	Ø 28,0	450
83025454	Ø 25,0	450	83030454	Ø 30,0	450

Adaptors SDS-plus

ADAPTORS SDS-plus

code	type
83300815	Slotted inside hole bit SDS-plus
	BOSCH
	MAKITA
	HITACHI
83300859	Adaptors SDS-max for SDS-plus

SOLGA DIAMANT

Bit for concrete SDS-max Blue line

The bit SDS-max is produced for heavy hammer drilling machines. The diameter of drilling is from 12 – 15 mm with double cut.

BIT HAMMER SDS-max – BLUE LINE

code	diameter	lenght	code	diameter	lenght
85412340	Ø 12,0	340	85414540	Ø 14,0	540
85412540	Ø 12,0	540	85415340	Ø 15,0	340
85414340	Ø 14,0	340	85415540	Ø 15,0	540

SDS-max 4 spikes

For diameters of drilling from16-52, the head is of 4 cut. It allows a quick advance and holes more precise.

BIT HAMMER SDS-max 4 spikes – BLUE

code	diameter	lenght
85416340	Ø 16,0	340
85416540	Ø 16,0	540
85418340	Ø 18,0	340
85418540	Ø 18,0	540
85420320	Ø 20,0	320
85420520	Ø 20,0	520
85422320	Ø 22,0	320
85422520	Ø 22,0	520
85424320	Ø 24,0	320
85424520	Ø 24,0	520
85425320	Ø 25,0	320
85425520	Ø 25,0	520
85425920	Ø 25,0	920
85428370	Ø 28,0	370
85428570	Ø 28,0	570
85430570	Ø 30,0	570
85432570	Ø 32,0	570
85432920	Ø 32,0	920
85435570	Ø 35,0	570
85438570	Ø 38,0	570
85440570	Ø 40,0	570
85445570	Ø 45,0	570
85452570	Ø 52,0	570

Bits for metal -grey line

Professional bit made with special steel with hard metal spike for all types of metals. Cylindric handle.

BITS FOR METALS – GREY LINE

code	diameter	lenght	code	diameter	lenght
86102024	Ø 2,0	49	86107569	Ø 7,5	109
86102530	Ø 2,5	57	86108075	Ø 8,0	117
86103033	Ø 3,0	61	86108575	Ø 8,5	117
86103336	Ø 3,3	65	86109081	Ø 9,0	125
86103539	Ø 3,5	70	86109581	Ø 9,5	125
86103739	Ø 3,7	70	86110087	Ø 10,0	133
86104043	Ø 4,0	75	86110587	Ø 10,5	133
86104347	Ø 4,3	80	86111094	Ø 11,0	142
86104547	Ø 4,5	80	86111594	Ø 11,5	142
86105052	Ø 5,0	86	86112010	Ø 12,0	151
86105252	Ø 5,2	86	86112510	Ø 12,5	151
86105557	Ø 5,5	93	86113010	Ø 13,0	151
86106057	Ø 6,0	93	86113510	Ø 13,5	151
86106563	Ø 6,5	101	86114010	Ø 14,0	160
86107069	Ø 7,0	109	86115011	Ø 15,0	169

Electromagnetic core bit Concrete and masonry

Electromagnetic core bit for little hammers and percutors. Indicated for applications pipe conduit for heating, electrical boxes, derivation and distribution.

ELECTROMAGNETIC CORE BIT – Little hammers and percutors

code	diameter	long.	code	diameter	lenght
84300500	Ø 50	72	84300680	Ø 68	72

Accessories

Accessories SDS-plus

For hammer drilling machines and light percussions. Adaptable to Bosch, Hilti, Hitachi, Makita and Metabo.

ACCESSORIES SDS-plus

code	type	lenght
89230025	Stick	250
89230225	Graver	20
89230425	Shovel	40

Accessories SDS-max

For hammer drilling machines and heavy percussions. Adaptable to Bosch and Makita.

ACCESSORIES SDS-max

code	type	lenght
89254040	Stick	300
89254240	Graverl	25
89254830	Shovel	80

Stick

Graver

Shovel

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