



GENERAL CATALOGUE CONSTRUCTION

Diamond Tools Manufacturer

SOLGA DIAMANT se constituyó con espíritu innovador ofreciendo al sector de la construcción y la piedra natural las tecnologías de última generación para el desarrollo de los productos diamantados. Hoy, tras más de 60 años, ese espíritu sigue intacto.

Nuestro principio fundamental es la mejora continua, evitando fallos e impactos, optimizando los recursos, encaminándonos a la eficacia de nuestros procesos protegiendo el medioambiente y asegurando las condiciones y seguridad del trabajador.

Distribuimos nuestras herramientas en más de 50 países, proporcionando un alto grado de experiencia, lo que ha permitido que evolucionemos en cada mercado, adecuando cada herramienta en aplicación y uso, haciendo el trabajo lo más fácil posible.



SOLGA DIAMANT was established with an innovative spirit, offering the latest generation technologies for the development of diamond products to the construction and natural stone sector. Today, after more than 60 years, that spirit remains intact.

Our fundamental principle is continuous improvement, avoiding failures and impacts, optimizing resources, leading to the effectiveness of our processes protecting the environment and ensuring the conditions and safety of the worker.

We distribute our tools in more than 50 countries, providing a high degree of experience, which has allowed us to evolve in each market, adapting each tool in application and use, making the job as easy as possible.



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Membership

International



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Mexico



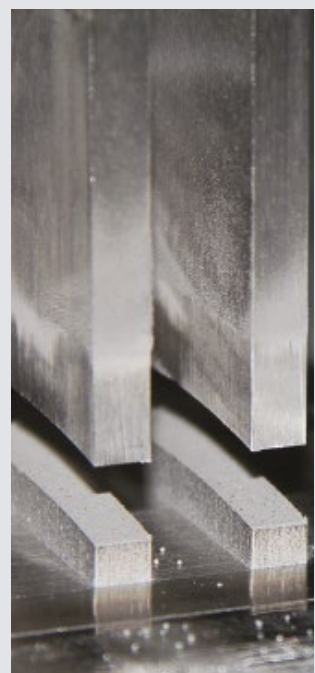
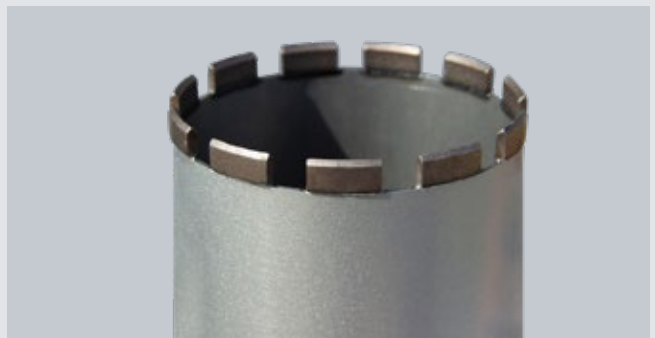


ELITE

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CORE DRILLS



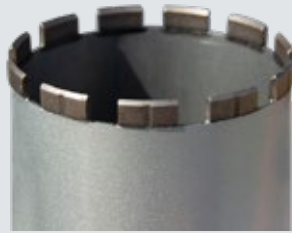
EUROPEAN DIAMOND TOOL MANUFACTURER

At Solga Diamant, our target is to offer the highest quality and the best service.

We select our suppliers of raw materials with the same standards that we use in our manufacture, guaranteeing the highest level of quality. In our production process, we use the latest technologies in sintering and welding, obtaining products of the highest quality at competitive prices. Our commercial network identifies the needs of the markets and together with the factory we develop new core drills to provide the best solution for every requirement. All our core drills are laser welded. Brazing is also available.

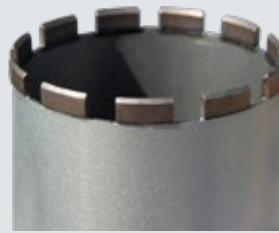
WET DRILLING

SEGMENT SHAPES



SEGMENTED SHAPE TURBO LASER

- Higher cutting speed due to the lower friction with material to be cut
- Higher performance. Height 12 mm
- Lower vibration and easy cut
- Roof segment with "easy start" function and self-centering
- Jam resistant



SEGMENTED SHAPE ROOF

- Straight segment
- Available in height 10 mm
- Roof segment with "easy start" function and self-centering
- Thin segments available for manual drilling



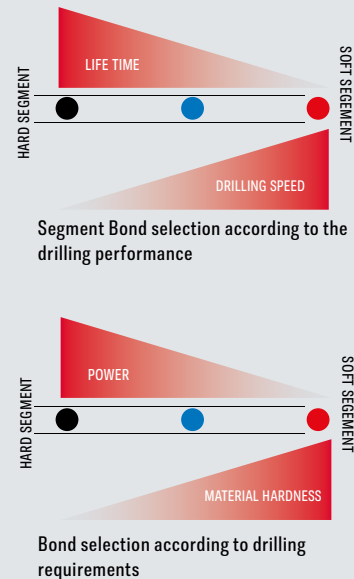
CONTINUES RING

- Suitable for small diameters
- Reduce the blocking of the bit by steel bars
- Longer tool life
- Easy to center and guide the drill

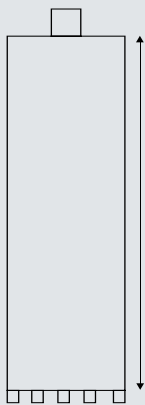
BONDS

We offer different bonds according to the work requirements:

- HARD CONCRETE**
 - Designed for calcareous concretes
 - Easy drilling, minimizing vibrations
 - Low aggressiveness and smooth cut when drilling concrete with iron
 - Available with **TURBO LASER & LASER segments**
- MEDIUM CONCRETE**
 - Designed for concretes with some abrasion
 - Higher duration than ● higher speed than ●
 - Excellent life / speed ratio
 - Available with **TURBO LASER & LASER segments**
- ABRASIVE CONCRETE**
 - Designed for materials with abrasion
 - High performance segment
 - Recommended for very high power electrical and hydraulic machines
 - Available with **LASER segment**

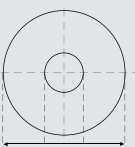


LENGHT AVAILABLE:



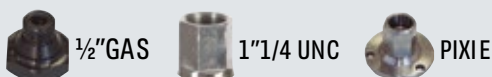
- 1.500 MM
- 1.000 MM
- 600 MM
- 450 MM
- 350 MM

Ø AVAILABLE:



Ø12-Ø802MM

OUR CONNECTIONS:



OUR OWN SEGMENT PRODUCTION

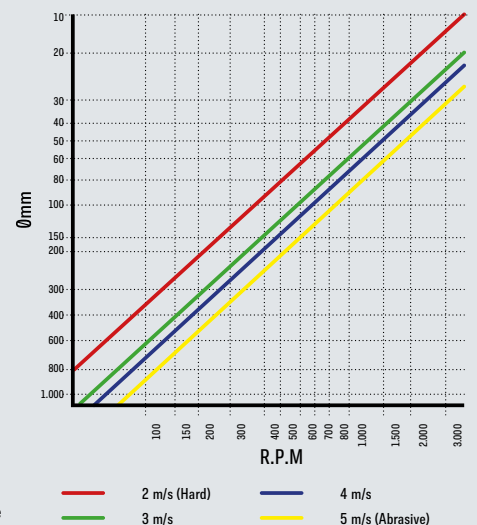
SPEED ADJUSTMENT TABLE

Each drill diameter requires different r.p.m depending on the characteristics of the material to be drilled. Concrete with hard aggregate and/or high rebar, low speeds. Concrete with soft aggregate and/or low rebar, high speeds. The power of the machine influences the speed to be selected.

HOW TO USE:

1. Select the diameter of the drill bit to be used.
2. Draw a horizontal line until it crosses with the right cutting speed according to the material to be cut.
3. From the intersection draw a vertical line to know the correct revolutions.
4. Select the speed of your machine accordingly.

Using powerful motors at low RPM with small diameter drills shortens the life of the tool dramatically. Using low power motors at high RPM makes the segment "harder" and can cause the core bit to stop drilling.



DRY DRILLING



DRILL BITS FOR HARD MATERIALS (PORCELAINS)



- Vacuum brazed drill bit.
High speed and long life for hard materials like porcelains
- Dry drilling possible
 - Perform slight oscillation when drilling.
 - Never work with percussion
 - Available in cylindrical connection of $\varnothing 12$ mm and in M14 connection up to $\varnothing 75$ mm

CONCRETE AND MASONRY DRILL BITS



- Laser welded drill bits.
M16 connection, adapters for all types available
- Premium quality available from $\varnothing 32$ to $\varnothing 202$ in length 50 and 150
 - Standard quality available in $\varnothing 68$ and $\varnothing 82$ in length 60 mm
 - Never work with rock drilling

SPECIAL APPLICATIONS

SPECIAL KITCHEN TOP SINK DRILLS



MARBLE
ELECTROPLATED

GRANITE
SEGMENTED

PIN DRILL BIT



GRANITE
PIN DRILL BIT

CORE BREAKER



MARBLE
ELECTROPLATED

GRANITE
SEGMENTED

GRANITE
RING BIT

Ask your sales agent to find the right drill bit for your need.

ACCESSORIES

ADAPTORS AND EXTENDERS



Wide variety of drilling accessories.

DRILLING KIT



Use the QR code to directly access the digital format of all SOLGA diamant catalogs and see our products in detail.



CONCRETE CORE DRILLS WET DRILLING UNC

The diamond drills are welded by laser system, for special drills out of stock they will be welded by induction with a 15% surcharge. In the event that the customer does not have urgency and it is a standard diameter, laser welding can be done when the standard drill is manufactured.

SEGMENTED SHAPE ROOF

- Straight segment
- Available in height 10 mm
- Roof segment with "easy start" function and self-centering
- Thin segments available for manual drilling



CONNECTION 1"1/4 UNC - L 450 MM - SEGMENTED - INDUCTION

Code	Ø	leng.	thick.	Height	b	nº seg.	conn.	thick. c
4242102510	25	15	3,3	8	2	3	1"1/4	1,5

CONNECTION 1"1/4 UNC - L 450 MM - SEGMENTED - LASER

Code	Ø	leng.	thick.	Height	b	nº seg.	conn.	thick. c
424-102833	28	15	3,0	8	2	3	1"1/4	1,5
424-103033	30	15	3,0	8	2	3	1"1/4	1,5
424-103233	32	15	3,0	8	2	4	1"1/4	2,0
424-103533	35	15	3,0	8	2	5	1"1/4	1,5
424-104233	42	15	3,0	8	2	6	1"1/4	2,0
424-105233	52	24	3,5	8	2	5	1"1/4	2,0
424-106233	62	24	3,5	8	2	6	1"1/4	2,0
424-107233	72	24	3,5	8	2	7	1"1/4	2,0
424-108233	82	24	3,5	8	2	8	1"1/4	2,0
424-109233	92	24	3,5	8	2	9	1"1/4	2,0
424-110233	102	24	3,5	8	2	10	1"1/4	2,0
424-110733	107	24	3,5	8	2	10	1"1/4	2,0
424-111233	112	24	3,5	8	2	10	1"1/4	2,0
424-112233	122	24	3,5	8	2	11	1"1/4	2,0
424-112733	127	24	3,5	8	2	11	1"1/4	2,0
424-113233	132	24	3,5	8	2	11	1"1/4	2,0
424-114233	142	24	3,5	8	2	12	1"1/4	2,0
424-115233	152	24	4,0	8	2	13	1"1/4	2,5
424-116233	162	24	4,0	8	2	13	1"1/4	2,5
424-117233	172	24	4,0	8	2	13	1"1/4	2,5
424-118233	182	24	4,0	8	2	14	1"1/4	2,5
424-120233	200	24	4,0	8	2	15	1"1/4	2,5
424-122533	225	24	4,5	8	2	16	1"1/4	2,5
424-125233	250	24	4,5	8	2	17	1"1/4	2,5

Complete the code using 3(quality n°3) or 6(quality n°6) instead the "-" depending the type of core drill bit.



**CONNECTION 1"1/4 UNC - L 450 MM - SEGMENTED - INDUCTION**

Code	Ø	leng.	thick.	Height	b	nº seg.	conn.	thick. c
424-127510	275	20	5,0	8	2	18	1"1/4 - 3T	3,0
424-130210	300	20	5,0	8	2	21	1"1/4 - 3T	3,0
424-132510	325	20	5,0	8	2	22	1"1/4 - 3T	3,0
424-135210	350	20	5,0	8	2	22	1"1/4 - 3T	3,0
424-1402	400	20	5,0	8	2	24	1"1/4 - 3T	3,0
424-1452	450	20	5,0	8	2	26	1"1/4 - 6T	3,0
424-1502	500	20	5,0	8	2	30	1"1/4 - 6T	3,0
424-1602	602	20	5,0	8	2	38	1"1/4 - 6T	3,0
424-1702	702	20	5,0	8	2	46	1"1/4 - 6T	3,0
424-1802	802	20	5,0	8	2	48	1"1/4 - 6T	3,0

Complete the code using 3(quality nº3) or 6(quality nº6) instead the "-" depending the type of core drill bit.

CONNECTION 1"1/4 UNC - L 600 MM - SEGMENTED - LASER

Code	Ø	leng.	thick.	Height	b	nº seg.	conn.	thick. c
424-603233	32	15	3,0	8	2	4	1"1/4	1,5
424-603533	35	15	3,0	8	2	5	1"1/4	1,5
424-604233	42	15	3,0	8	2	6	1"1/4	2,0
424-605233	52	24	3,5	8	2	5	1"1/4	2,0
4242606233	62	24	3,5	8	2	6	1"1/4	2,0
424-607233	72	24	3,5	8	2	7	1"1/4	2,0
4242608233	82	24	3,5	8	2	8	1"1/4	2,0
424-609233	92	24	3,5	8	2	9	1"1/4	2,0
424-610233	102	24	3,5	8	2	10	1"1/4	2,0
424-611233	112	24	3,5	8	2	10	1"1/4	2,0
424-612233	122	24	3,5	8	2	11	1"1/4	2,0
424-613233	132	24	3,5	8	2	11	1"1/4	2,0
424-614233	142	24	3,5	8	2	12	1"1/4	2,0
424-615233	152	24	4,0	8	2	13	1"1/4	2,5
424-616233	162	24	4,0	8	2	13	1"1/4	2,5
424-617233	172	24	4,0	8	2	13	1"1/4	2,5
424-618233	182	24	4,0	8	2	14	1"1/4	2,5
424-622533	225	24	4,5	8	2	16	1"1/4	2,5
424-625233	250	24	4,5	8	2	17	1"1/4 - 3T	2,5
424-630210	300	24	4,5	8	2	21	1"1/4 - 3T	3,0
424-635210	350	24	5,0	8	2	22	1"1/4 - 3T	3,0
424-6402	400	20	5,0	8	2	24	1"1/4 - 3T	3,0
424-6602	602	20	5,0	8	2	38	1"1/4 - 3T	3,0
424-6702	702	20	5,0	8	2	46	1"1/4 - 3T	3,0
424-6802	802	20	5,0	8	2	48	1"1/4 - 3T	3,0

Complete the code using 3(quality nº3) or 6(quality nº6) instead the "-" depending the type of core drill bit.

CONNECTION 1"1/4 UNC - L 1000 MM - SEGMENTED - LASER


Code	Ø	leng.	thick.	Height	b	nº seg.	conn.	thick. c
424-B03233	32	15	3,0	8	2	4	1"1/4	1,5
424-B03533	35	15	3,0	8	2	5	1"1/4	1,5
424-B05233	52	24	3,5	8	2	5	1"1/4	2,0
424-B06233	62	24	3,5	8	2	6	1"1/4	2,0
424-B08233	82	24	3,5	8	2	8	1"1/4	2,0
424-B09233	92	24	3,5	8	2	9	1"1/4	2,0
424-B10233	102	24	3,5	8	2	10	1"1/4	2,0
424-B11233	102	24	3,5	8	2	10	1"1/4	2,0
424-B13233	132	24	3,5	8	2	11	1"1/4	2,0
424-B15233	152	24	4,0	8	2	13	1"1/4	2,5
424-B16233	162	24	4,0	8	2	13	1"1/4	2,0
424-B17233	172	24	4,0	8	2	13	1"1/4	2,5
424-B18233	182	24	4,0	8	2	14	1"1/4	2,5
424-B20233	200	24	4,0	8	2	15	1"1/4	2,5
424-B22533	225	24	4,5	8	2	16	1"1/4	2,5
424-B25233	250	24	4,5	8	2	17	1"1/4 - 3T	2,5

CONNECTION 1"1/4 UNC - L 1000 MM - SEGMENTED - INDUCTION


Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	thick. c
424-B30210	302	20	5,0	8	2	21	1"1/4 - 3T	3,0
424-B35210	352	24	5,0	8	2	22	1"1/4 - 3T	3,0
424-B402	400	20	5,0	8	2	24	1"1/4 - 6T	3,0
424-B452	452	20	5,0	8	2	26	1"1/4 - 3T	3,0
424-B502	502	20	5,0	8	2	30	1"1/4 - 6T	3,0
424-B602	602	20	5,0	8	2	38	1"1/4 - 6T	3,0
424-B702	702	20	5,0	8	2	46	1"1/4 - 6T	3,0
424-B802	802	20	5,0	8	2	48	1"1/4 - 6T	3,0

Complete the code using 3(quality n^o3) or 6(quality n^o6) instead the "-" depending the type of core drill bit.



**CONNECTION 1"1/4 UNC - LENGHT 1500 MM - SEGMENTED - LASER**

Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	thick. c
424-D03233	32	15	3,0	8	2	4	1"1/4	1,5
424-D03533	35	15	3,0	8	2	5	1"1/4	1,5
424-D05233	52	24	3,5	8	2	5	1"1/4	2,0
424-D06233	62	24	3,5	8	2	6	1"1/4	2,0
424-D07233	72	24	3,5	8	2	7	1"1/4	2,0
424-D08233	82	24	3,5	8	2	8	1"1/4	2,0
424-D09233	92	24	3,5	8	2	9	1"1/4	2,0
424-D10233	102	24	3,5	8	2	10	1"1/4	2,0
424-D11233	112	24	3,5	8	2	10	1"1/4	2,0
424-D12233	122	24	3,5	8	2	11	1"1/4	2,0
424-D13233	132	24	3,5	8	2	11	1"1/4	2,0
424-D15233	152	24	4,0	8	2	13	1"1/4	2,5
424-D16233	162	24	4,0	8	2	13	1"1/4	2,5
424-D17233	172	24	4,0	8	2	13	1"1/4	2,5
424-D18233	182	24	4,0	8	2	14	1"1/4	2,5
424-D20233	200	24	4,0	8	2	15	1"1/4 - 3T	2,5
424-D22533	225	24	4,5	8	2	16	1"1/4 - 3T	2,5
424-D25233	250	24	4,5	8	2	17	1"1/4 - 3T	2,5

Complete the code using 3(quality nº3) or 6(quality nº6) instead the "-" depending the type of core drill bit.

CONNECTION 1"1/4 UNC - L 1500 MM - SEGMENTED - INDUCTION

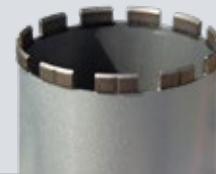
Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	thick. c
424-D30210	300	24	4,5	8	2	21	1"1/4 - 3T	3,0
424-D35210	352	24	5,0	8	2	22	1"1/4 - 3T	3,0
424-D402	402	20	5,0	8	2	24	1"1/4 - 3T	3,0
424-D452	452	20	5,0	8	2	26	1"1/4 - 3T	3,0
424-D502	502	20	5,0	8	2	30	1"1/4 - 6T	3,0
424-D602	602	20	5,0	8	2	38	1"1/4 - 6T	3,0
424-D702	702	20	5,0	8	2	46	1"1/4 - 6T	3,0
424-D802	802	20	5,0	8	2	48	1"1/4 - 6T	3,0

Complete the code using 3(quality nº3) or 6(quality nº6) instead the "-" depending the type of core drill bit.

CONCRETE CORE DRILLS WET DRILLING UNC TURBO

TURBO LASER SEGMENT CUT

- Higher cutting speed due to the lower friction with material to be cut
- Higher performance. Height 12 mm
- Lower vibration and easy cut
- Roof segment with "easy start" function and self-centering
- Jam resistant



CONNECTION 1"1/4 UNC - L 450 MM - SEGMENTED - LASER TURBO

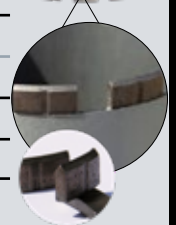
Code	Ø	leng.	thick.	Height	b	n° seg.	conn.	thick. c
424-105233	52	24	3,5	10	2	5	1"1/4	2,0
424-106233	62	24	3,5	10	2	6	1"1/4	2,0
424-107233	72	24	3,5	10	2	7	1"1/4	2,0
424-108233	82	24	3,5	10	2	8	1"1/4	2,0
424-109233	92	24	3,5	10	2	9	1"1/4	2,0
424-110233	102	24	3,5	10	2	10	1"1/4	2,0
424-110733	107	24	3,5	10	2	10	1"1/4	2,0
424-111233	112	24	3,5	10	2	10	1"1/4	2,0
424-112233	122	24	3,5	10	2	11	1"1/4	2,0
424-112733	127	24	3,5	10	2	11	1"1/4	2,0
424-113233	132	24	3,5	10	2	11	1"1/4	2,0
424-114233	142	24	3,5	10	2	12	1"1/4	2,0
424-115233	152	24	4,0	10	2	13	1"1/4	2,5
424-116233	162	24	4,0	10	2	13	1"1/4	2,5
424-117233	172	24	4,0	10	2	13	1"1/4	2,5
424-118233	182	24	4,0	10	2	14	1"1/4	2,5
424-120233	200	24	4,0	10	2	15	1"1/4	2,5
424-122533	225	24	4,5	10	2	16	1"1/4	2,5
424-125233	250	24	4,5	10	2	17	1"1/4	2,5

Complete the code using J(quality n°3) or M(quality n°6) instead the "-" depending the type of core drill bit.

CONNECTION 1"1/4 UNC - L 450 MM - SEGMENTED - INDUCTION TURBO

Code	Ø	leng.	thick.	Height	b	n° seg.	conn.	thick. c
424-127510	275	24	5,0	10	2	18	1"1/4 - 3T	3,0
424-130210	302	24	5,0	10	2	21	1"1/4 - 3T	3,0
424-132510	325	24	5,0	10	2	22	1"1/4 - 3T	3,0
424-135210	350	24	5,0	10	2	22	1"1/4 - 3T	3,0
424-1372	370	24	5,0	10	2	23	1"1/4 - 3T	3,0
424-1402	400	24	5,0	10	2	23	1"1/4 - 3T	3,0
424-1452	450	24	5,0	10	2	26	1"1/4 - 6T	3,0
424-1502	500	24	5,0	10	2	30	1"1/4 - 6T	3,0
424-1602	602	24	5,0	10	2	38	1"1/4 - 6T	3,0
424-1702	702	24	5,0	10	2	46	1"1/4 - 6T	3,0
424J1802	802	24	5,0	10	2	48	1"1/4 - 6T	3,0

Complete the code using J(quality n°3) or M(quality n°6) instead the "-" depending the type of core drill bit.



**CONNECTION 1"1/4 UNC - L 600 MM - SEGMENTED - LASER TURBO**

Code	Ø	leng.	thick.	Height	b	n° seg.	conn.	thick. c
424-605233	52	24	3,5	10	2	5	1"1/4	2,0
424-606233	62	24	3,5	10	2	6	1"1/4	2,0
4247907233	72	24	3,5	10	2	7	1"1/4	2,0
424-608233	82	24	3,5	10	2	8	1"1/4	2,0
424-609233	92	24	3,5	10	2	9	1"1/4	2,0
424-610233	102	24	3,5	10	2	10	1"1/4	2,0
424-611233	112	24	3,5	10	2	10	1"1/4	2,0
424-612233	122	24	3,5	10	2	11	1"1/4	2,0
424-613233	132	24	3,5	10	2	11	1"1/4	2,0
424-614233	142	24	3,5	10	2	12	1"1/4	2,0
424-615233	152	24	4,0	10	2	13	1"1/4	2,5
424-616233	162	24	4,0	10	2	13	1"1/4	2,5
424-617233	172	24	4,0	10	2	13	1"1/4	2,5
424-618233	182	24	4,0	10	2	14	1"1/4	2,5
424-620233	200	24	4,0	10	2	15	1"1/4	2,5
424-622533	225	24	5,0	10	2	16	1"1/4	2,5
424-625233	250	24	5,0	10	2	17	1"1/4 - 3T	2,5

Complete the code using J(quality n°3) or M(quality n°6) instead the "-" depending the type of core drill bit.

CONNECTION 1"1/4 UNC - L 600 MM - SEGMENTED - INDUCTION TURBO

Code	Ø	leng.	thick.	Height	b	n° seg.	conn.	thick. c
424-630210	302	24	5,0	10	2	21	1"1/4 - 3T	3,0
424-635210	350	24	5,0	10	2	22	1"1/4 - 3T	3,0
424-6402	400	24	5,0	10	2	23	1"1/4 - 3T	3,0
424-6452	450	24	5,0	10	2	26	1"1/4 - 6T	3,0
424-6502	500	24	5,0	10	2	30	1"1/4 - 6T	3,0
424-6602	602	24	5,0	10	2	38	1"1/4 - 6T	3,0
424-6702	702	24	5,0	10	2	46	1"1/4 - 6T	3,0
424-6802	802	24	5,0	10	2	48	1"1/4 - 6T	3,0

Complete the code using J(quality n°3) or M(quality n°6) instead the "-" depending the type of core drill bit.

CONNECTION 1"1/4 UNC - L 1000 MM - SEGMENTED - LASER TURBO

Code	Ø	leng.	thick.	Height	b	n° seg.	conn.	thick. c
424-B05233	52	24	3,5	10	2	5	1"1/4	2,0
424-B06233	62	24	3,5	10	2	6	1"1/4	2,0
424-B07233	72	24	3,5	10	2	7	1"1/4	2,0
424-B08233	82	24	3,5	10	2	8	1"1/4	2,0
424-B10233	102	24	3,5	10	2	10	1"1/4	2,0
424-B11233	112	24	3,5	10	2	10	1"1/4	2,0
424-B12233	122	24	3,5	10	2	11	1"1/4	2,0
424-B13233	132	24	3,5	10	2	11	1"1/4	2,0
424-B15233	152	24	4,0	10	2	13	1"1/4	2,5
424-B18233	182	24	4,0	10	2	14	1"1/4	2,5
424-B20233	200	24	4,0	10	2	15	1"1/4	2,5
424-B22533	225	24	4,5	10	2	16	1"1/4	2,5
424-B25233	250	24	4,5	10	2	17	1"1/4 - 3T	2,5

Complete the code using J(quality n°3) or M(quality n°6) instead the "-" depending the type of core drill bit.

CONNECTION 1"1/4 UNC - L 1000 MM - SEGMENTED -TURBO INDUCTION

Code	Ø	leng.	thick.	Height	b	nº seg.	conn.	thick. c
424-B30210	302	24	5,0	10	2	21	1"1/4 - 3T	3,0
424-B35210	352	24	5,0	10	2	22	1"1/4 - 3T	3,0
424-B402	400	24	5,0	10	2	23	1"1/4 - 3T	3,0
424-B452	452	20	5,0	10	2	26	1"1/4 - 6T	3,0
424-B502	502	20	5,0	10	2	30	1"1/4 - 6T	3,0
424-B602	602	20	5,0	10	2	38	1"1/4 - 6T	3,0
424-B702	702	20	5,0	10	2	46	1"1/4 - 6T	3,0
424-B802	802	20	5,0	10	2	48	1"1/4 - 6T	3,0

Complete the code using J(quality n°3) or M(quality n°6) instead the "-" depending the type of core drill bit.

CONNECTION 1"1/4 UNC - L 1500 MM - SEGMENTED - LASER TURBO

Code	Ø	leng.	thick.	Height	b	nº seg.	conn.	thick. c
424-D05233	52	24	3,5	10	2	5	1"1/4	2,0
424-D06233	62	24	3,5	10	2	6	1"1/4	2,0
424-D07233	72	24	3,5	10	2	7	1"1/4	2,0
424-D08233	82	24	3,5	10	2	8	1"1/4	2,0
424-D09233	92	24	3,5	10	2	9	1"1/4	2,0
424-D10233	102	24	3,5	10	2	10	1"1/4	2,0
424-D11233	112	24	3,5	10	2	10	1"1/4	2,0
424-D12233	122	24	3,5	10	2	11	1"1/4	2,0
424-D13233	132	24	3,5	10	2	11	1"1/4	2,0
424-D15233	152	24	3,5	10	2	13	1"1/4	2,5
424-D16233	162	24	4,0	10	2	13	1"1/4	2,5
424-D17233	172	24	4,0	10	2	13	1"1/4	2,5
424-D18233	182	24	4,0	10	2	14	1"1/4	2,5
424-D20233	202	24	4,0	10	2	15	1"1/4	2,5
424-D22533	225	24	4,5	10	2	16	1"1/4	2,5
424-D25233	252	24	4,5	10	2	17	1"1/4 - 3T	2,5

Complete the code using J(quality n°3) or M(quality n°6) instead the "-" depending the type of core drill bit.

CONNECTION 1"1/4 UNC - L 1500 MM - SEGMENTED - INDUCTION TURBO

Code	Ø	leng.	thick.	Height	b	nº seg.	conn.	thick. c
424-D30210	302	24	5,0	10	2	21	1"1/4 - 3T	3,0
424-D35210	352	24	5,0	10	2	22	1"1/4 - 3T	3,0
424-D402	402	20	5,0	10	2	24	1"1/4 - 3T	3,0
424-D452	452	20	5,0	10	2	26	1"1/4 - 6T	3,0
424-D502	502	20	5,0	10	2	30	1"1/4 - 6T	3,0
424-D602	602	20	5,0	10	2	38	1"1/4 - 6T	3,0
424-D702	702	20	5,0	10	2	46	1"1/4 - 6T	3,0
424-D802	802	20	5,0	10	2	48	1"1/4 - 6T	3,0

Complete the code using J(quality n°3) or M(quality n°6) instead the "-" depending the type of core drill bit.

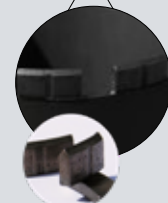
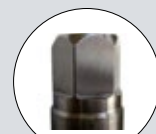
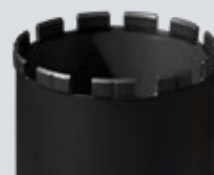
**CORE DRILL BITS****11**



CONCRETE CORE DRILLS WET DRILLING ELITE SERIES

TURBO LASER SEGMENT CUT

- Higher cutting speed due to the lower friction with material to be cut
- Higher performance. Height 12 mm
- Lower vibration and easy cut
- Roof segment with "easy start" function and self-centering
- Jam resistant



CONNECTION 1"1/4 UNC - L 450 MM - SEGMENTED - LASER ELITE

Code	Ø	leng.	thick.	Height	b	nº seg.	conn.	thick. c
424-105233	52	24	3,5	10	2	5	1"1/4	2,0
424-106233	62	24	3,5	10	2	6	1"1/4	2,0
424-107233	72	24	3,5	10	2	7	1"1/4	2,0
424-108233	82	24	4,0	10	2	8	1"1/4	2,0
424-109233	92	24	4,0	10	2	9	1"1/4	2,0
424-110233	102	24	4,0	10	2	10	1"1/4	2,0
424-110733	107	24	4,0	10	2	10	1"1/4	2,0
424-111233	112	24	4,0	10	2	10	1"1/4	2,0
424-112233	122	24	4,0	10	2	11	1"1/4	2,0
424-112733	127	24	4,0	10	2	11	1"1/4	2,0
424-113233	132	24	4,0	10	2	11	1"1/4	2,0
424-114233	142	24	4,0	10	2	12	1"1/4	2,0
424-115233	152	24	4,5	10	2	13	1"1/4	2,5
424-116233	162	24	4,5	10	2	13	1"1/4	2,5
424-117233	172	24	4,5	10	2	13	1"1/4	2,5
424-118233	182	24	4,5	10	2	14	1"1/4	2,5
424-120233	200	24	4,5	10	2	15	1"1/4	2,5
424-122533	225	24	4,5	10	2	16	1"1/4	2,5
424-125233	250	24	4,5	10	2	17	1"1/4	2,5

Complete the code using S(soft) or H(hard) instead the "-" depending the type of core drill bit.

CONNECTION 1"1/4 UNC - L 450 MM - SEGMENTED - INDUCTION ELITE



Code	Ø	leng.	thick.	Height	b	nº seg.	conn.	thick. c
424-127510	275	24	4,5	10	2	18	1"1/4 - 3T	3,0
424-130210	302	24	4,5	10	2	21	1"1/4 - 3T	3,0
424-132510	325	24	4,5	10	2	22	1"1/4 - 3T	3,0
424-135210	350	24	4,5	10	2	22	1"1/4 - 3T	3,0
424-1372	370	24	5,0	10	2	23	1"1/4 - 3T	3,0
424-1402	400	24	5,0	10	2	23	1"1/4 - 3T	3,0
424-1452	450	24	5,0	10	2	26	1"1/4 - 6T	3,0
424-1502	500	24	5,0	10	2	30	1"1/4 - 6T	3,0
424-1602	602	24	5,0	10	2	38	1"1/4 - 6T	3,0
424-1702	702	24	5,0	10	2	46	1"1/4 - 6T	3,0
424J1802	802	24	5,0	10	2	48	1"1/4 - 6T	3,0

Complete the code using S(soft) or H(hard) instead the "-" depending the type of core drill bit.

Other Lengths

L600: price +30% than L450

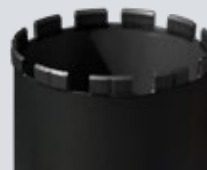
L1000: price +60% than L450

L1500: price +80% than L450

CONCRETE CORE DRILLS ELITE SERIES DRY DRILLING UNC

TURBO LASER SEGMENT CUT

- Higher cutting speed due to the lower friction with material to be cut
- Higher performance. Height 12 mm
- Lower vibration and easy cut
- Roof segment with "easy start" function and self-centering
- Jam resistant



CONNECTION 1"1/4 UNC - L 450 MM - SEGMENTED - LASER DRY

Code	Ø	leng.	thick.	Height	b	nº seg.	conn.	thick. c
424D103233	32	15	3,0	8	2	4	1"1/4	2,0
424D103533	35	15	3,0	8	2	5	1"1/4	1,5
424D104233	42	15	3,0	8	2	6	1"1/4	2,0
424D105233	52	24	3,5	8	2	4	1"1/4	2,0
424D106233	62	24	3,5	8	2	5	1"1/4	2,0
424D107233	72	24	3,5	8	2	6	1"1/4	2,0
424D108233	82	24	4,0	8	2	7	1"1/4	2,0
424D109233	92	24	4,0	8	2	8	1"1/4	2,0
424D110233	102	24	4,0	8	2	9	1"1/4	2,0
424D110733	107	24	4,0	8	2	9	1"1/4	2,0
424D111233	112	24	4,0	8	2	9	1"1/4	2,0
424D112233	122	24	4,0	8	2	10	1"1/4	2,0
424D112733	127	24	4,0	8	2	10	1"1/4	2,0
424D113233	132	24	4,0	8	2	10	1"1/4	2,0
424D114233	142	24	4,0	8	2	11	1"1/4	2,0
424D115233	152	24	4,5	8	2	12	1"1/4	2,5
424D116233	162	24	4,5	8	2	12	1"1/4	2,5
424D117233	172	24	4,5	8	2	12	1"1/4	2,5
424D118233	182	24	4,5	8	2	13	1"1/4	2,5
424D120033	200	24	4,5	8	2	14	1"1/4	2,5

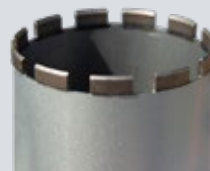




CONCRETE CORE DRILLS WET DRILLING GAS

SEGMENTED SHAPE ROOF

- Straight segment
- Available in height 10 mm
- Roof segment with "easy start" function and self-centering
- Thin segments available for manual drilling



CONNECTION 1/2" GAS - L 350 MM - SEGMENTED - INDUCTION

Code	Ø	leng.	thick.	Height	b	nº seg.	conn.	thick. c
4243002210	22	15	3,0	8	2	3	1/2"	1,0
4243002410	24	15	3,0	8	2	3	1/2"	1,0
4243002510	25	15	3,0	8	2	3	1/2"	1,0
4243002710	27	15	3,0	8	2	3	1/2"	1,0
4243002810	28	15	3,0	8	2	3	1/2"	1,0

CONNECTION 1/2" GAS - L 350 MM - SEGMENTED - LASER



Code	Ø	leng.	thick.	Height	b	nº seg.	conn.	thick. c
4243003033	30	15	3,0	8	2	4	1/2"	1,0
4243003233	32	15	3,0	8	2	4	1/2"	1,0
4243003533	35	15	3,0	8	2	5	1/2"	1,0
4243003833	38	15	3,0	8	2	5	1/2"	1,0
4243004233	42	15	3,0	8	2	6	1/2"	1,0
4243004733	47	15	3,0	8	2	6	1/2"	1,0
4243005233	52	24	3,5	8	2	5	1/2"	1,0
4243006233	62	24	3,5	8	2	6	1/2"	1,0
4243007233	72	24	3,5	8	2	7	1/2"	1,0
4243008233	82	24	3,5	8	2	8	1/2"	1,0
4243009233	92	24	3,5	8	2	9	1/2"	1,0
4243010233	102	24	3,5	8	2	10	1/2"	1,0

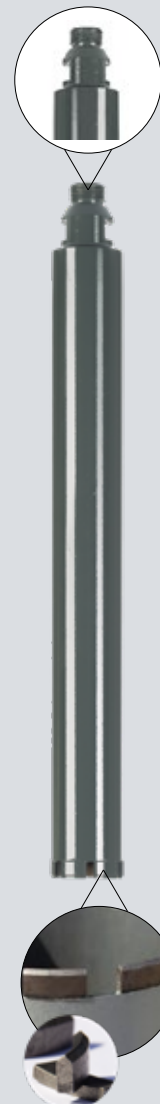
CONNECTION 1/2" GAS - L 1000 MM - SEGMENTED - LASER



Code	Ø	leng.	thick.	Height	b	nº seg.	conn.	thick. c
4243B03233	32	15	3,0	8	2	4	1/2"	1,5
4243B03533	35	15	3,0	8	2	5	1/2"	1,5

CONNECTION 1/2" GAS - L 1500 MM - SEGMENTED - LASER

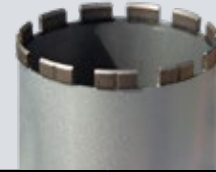
Code	Ø	leng.	thick.	Height	b	nº seg.	conn.	thick. c
4243D03233	Ø32	15	3,0	8	2	4	1/2"	
4243D03533	Ø35	15	3,0	8	2	5	1/2"	



CONCRETE CORE DRILLS WET DRILLING GAS TURBO

TURBO LASER SEGMENT CUT

- Higher cutting speed due to the lower friction with material to be cut
- Higher performance. Height 12 mm
- Lower vibration and easy cut
- Roof segment with "easy start" function and self-centering
- Jam resistant



CONNECTION 1/2" GAS - L 350 MM - SEGMENTED - LASER TURBO

Code	Ø	leng.	thick.	Height	b	nº seg.	conn.	thick. c
424M005233	52	24	3,5	9,6	2	5	1/2"	1,0
424M006233	62	24	3,5	9,6	2	6	1/2"	1,0
424M007233	72	24	3,5	9,6	2	7	1/2"	1,0
424M008233	82	24	3,5	9,6	2	8	1/2"	1,0
424M009233	92	24	3,5	9,6	2	9	1/2"	1,0
424M010233	102	24	3,5	9,6	2	10	1/2"	2,0
424M011233	112	24	3,5	9,6	2	10	1/2"	2,0

CONNECTION 1/2" GAS - L 350 MM - SEGMENTED - LASER TURBO

Code	Ø	leng.	thick.	Height	b	nº seg.	conn.	thick. c
424M006710	67	24	3,5	10	2	6	1/2"	2,0
424M010710	107	24	3,5	10	2	10	1/2"	2,0
424M012710	127	24	3,5	10	2	11	1/2"	1,0
424M013210	132	24	3,5	10	2	11	1/2"	1,0
424M013810	138	24	3,5	10	2	11	1/2"	1,0
424M015210	152	24	4,0	10	2	13	1/2"	2,5
424M016210	162	24	4,0	10	2	13	1/2"	2,5





DRILL BIT CONCRETE RING

CONTINUOUS CUT (CONTINUES RING)

- Suitable for small diameters
- Reduce the blocking of the bit by steel bars
- Longer tool life
- Easy to center and guide the drill



CONNECTION 1/2" GAS - LENGHT 350 MM - LASER

Code	Ø	thick.	Height	b	nº seg.	conn.	thick. c
4270001233	12	2,5	6	2	1	1/2"	1,0
4270001433	14	2,5	6	2	1	1/2"	1,0
4270001633	16	2,5	6	2	1	1/2"	1,0
4270001833	18	2,5	6	2	1	1/2"	1,0
4270002033	20	2,5	6	2	1	1/2"	1,0
4270002233	22	2,5	6	2	1	1/2"	1,0
4270002533	25	2,5	6	2	1	1/2"	1,0
4270002833	28	2,5	6	2	1	1/2"	1,0
4270003033	30	2,5	6	2	1	1/2"	1,0
4270003233	32	2,5	6	2	1	1/2"	1,0
4270003533	35	2,5	6	2	1	1/2"	1,0
4270004233	42	3,0	6	2	1	1/2"	1,0
4270005233	52	3,5	6	2	1	1/2"	1,0



CONNECTION 1/2" GAS - LENGHT 150 MM - LASER

Code	Ø	thick.	Height	b	nº seg.	conn.	thick. c
4270201233	12	2,5	6	2	1	1/2"	1,0
4270201433	14	2,5	6	2	1	1/2"	1,0
4270201633	16	2,5	6	2	1	1/2"	1,0
4270201833	18	2,5	6	2	1	1/2"	1,0
4270202033	20	2,5	6	2	1	1/2"	1,0



**CONNECTION 1/2" GAS - LENGHT 600 MM - LASER**

Code	Ø	thick.	Height	b	n° seg.	conn.	thick. c
4270602033	20	2,5	6	2	1	1/2"	1,0
4270602533	25	2,5	6	2	1	1/2"	1,0
4270602833	28	2,5	6	2	1	1/2"	1,0
4270603033	30	2,5	6	2	1	1/2"	1,0
4270603233	32	2,5	6	2	1	1/2"	1,0
4270603533	35	2,5	6	2	1	1/2"	1,0
4270604233	42	3,0	6	2	1	1/2"	1,0
4270605233	52	3,5	6	2	1	1/2"	1,0

CONNECTION 1/2" GAS - LENGHT 1000 MM - LASER

Code	Ø	thick.	Height	b	n° seg.	conn.	thick. c
4270A01433	14	2,5	6	2	1	1/2"	1,0
4270A01633	16	2,5	6	2	1	1/2"	1,0
4270A01833	18	2,5	6	2	1	1/2"	1,0
4270A02533	25	2,5	6	2	1	1/2"	1,0
4270A03233	32	2,5	6	2	1	1/2"	1,0
4270A03533	35	2,5	6	2	1	1/2"	1,0

DRILL BIT GRANITE RING**CONNECTION 1/2" GAS - LENGHT 350 MM - LASER**

Code	Ø	thick.	Height	b	n° seg.	conn.	thick. c
4280001233	12	2,0	6	2	1	1/2"	1,0
4280001433	14	2,0	6	2	1	1/2"	1,0
4280001633	16	2,0	6	2	1	1/2"	1,0
4280001833	18	2,0	6	2	1	1/2"	1,0
4280002033	20	2,0	6	2	1	1/2"	1,0
4280002233	22	2,0	6	2	1	1/2"	1,0
4280002533	25	2,0	6	2	1	1/2"	1,0

CORE DRILL BITS



DRILL BIT HEXAGONAL CORE BREAKER

DRILL BIT CORE BREAKER GRANITE HEX - RING - INDUCTION



Code	Ø	leng.	thick.	Height	b	n° seg.	conn.	thick. c
42705012	12	12	2,0	8	2	1	HEXAG	1,0
42705014	14	14	2,0	8	2	1	HEXAG	1,0
42705016	16	16	2,0	8	2	1	HEXAG	1,0
42705018	18	18	2,0	8	2	1	HEXAG	1,0
42705020	20	20	2,0	8	2	1	HEXAG	1,0
42705022	22	22	2,0	8	2	1	HEXAG	1,0



DRILL BIT CORE BREAKER GRANITE HEXAGONAL - RING - LASER



Code	Ø	leng.	thick.	Height	b	n° seg.	conn.	thick. c
4230502533	25	25	2,0	8	2	1	HEXAG	1,0
4230503233	32	32	2,0	8	2	1	HEXAG	1,0
4230503533	35	35	2,0	8	2	4	HEXAG	1,5
4230504233	42	42	3,0	8	2	1	HEXAG	1,5

DRILL BIT CORE BREAKER GRANITE HEX - SEGMENTED - INDUCTION



Code	Ø	leng.	thick.	Height	b	n° seg.	conn.	thick. c
4230502210	22	15	2,5	8	2	3	HEXAG	1,5
4230504710	45	15	2,5	8	2	4	HEXAG	1,5
4230505210	50	24	2,5	8	2	4	HEXAG	1,5
4230505710	55	24	2,5	8	2	5	HEXAG	1,5
4230506210	60	24	2,5	8	2	5	HEXAG	1,5
4230507210	70	24	2,5	8	2	5	HEXAG	1,5
4230508210	80	24	2,5	8	2	7	HEXAG	1,5
4230509210	90	24	2,5	8	2	8	HEXAG	1,5
4230510210	102	24	3,5	8	2	9	HEXAG	1,5



DRILL BIT KITCHEN TOP SINK HEX - SEGMENTED - INDUCTION



Code	Ø	leng.	thick.	Height	b	n° seg.	conn.	thick. c
4230807010	50/70	24	2,5	6	2	4	HEXAG	1,5



DRILL BIT CORE BREAKER MARBLE HEXAGONAL



Code	Ø	leng.	thick.	Height	b	n° seg.	conn.	thick. c
43205010	10		2,5	4			HEXAG	
43205015	15		2,5	4			HEXAG	
43205020	20		2,5	4			HEXAG	
43205025	25		2,5	4			HEXAG	
43205030	30		2,5	4			HEXAG	
43205035	35		2,5	4			HEXAG	
43205040	40		2,5	4			HEXAG	
43205045	45		2,5	4			HEXAG	






Code	Ø	leng.	thick.	Height	b	nº seg.	conn.	thick. c
43205050	50		2,5	4			HEXAG	
43205055	55		2,5	4			HEXAG	
43205060	60		2,5	4			HEXAG	
43205070	70		2,5	4			HEXAG	
43205080	80		2,5	4			HEXAG	

DRILL BIT CORE BREAKER TYPE VB HEXAGONAL



Code	Ø	leng.	thick.	Height	b	nº seg.	conn.	thick. c
43235025	25		3,0	5			HEXAG	
43235030	30		3,0	5			HEXAG	
43235099	100		3,0	5			HEXAG	

DRILL BIT CORE BREAKER TYPE VB M14

Code	Ø	leng.	thick.	Height	b	nº seg.	conn.	thick. c
42205006	6		2,5	10			M14	
42205008	8		2,5	10			M14	
42205010	10		2,5	10			M14	
42205012	12		2,5	10			M14	
42205016	16		2,5	10			M14	
42205020	20		2,5	10			M14	
42205025	20		2,5	10			M14	
42205030	30		2,5	10			M14	
42205035	35		2,5	10			M14	
42205040	40		2,5	10			M14	
42205050	50		2,5	10			M14	
42205060	60		2,5	10			M14	
42205065	65		2,5	10			M14	
42205068	68		2,5	10			M14	
42205075	75		2,5	10			M14	
42205080	80		2,5	10			M14	
42205090	90		2,5	10			M14	
42205100	100		2,5	10			M14	
422051110	110		2,5	10			M14	



CORE DRILL BITS





CORE DRILLS DRY CUTTING

CORE DRILLS MASONRY - CONNECTION M16 - L 50 MM - LASER



Code	Ø	leng.	thick.	Height	b	nº seg.	conn.	thick. c
42403032	32	16	3,0	8	2	3	M16	
42403042	40	16	3,0	8	2	3	M16	
42403052	52	24	3,0	8	2	3	M16	
42403057	57	24	3,5	8	2	3	M16	
42403068	67	24	3,5	8	2	4	M16	
42403072	72	24	3,5	8	2	4	M16	
42403082	82	24	3,5	8	2	4	M16	
42403092	92	24	3,5	8	2	4	M16	
42403112	112	24	3,5	8	2	5	M16	
42403127	127	24	3,5	8	2	6	M16	
42403132	132	24	3,5	8	2	6	M16	
42403152	152	24	4,0	8	2	7	M16	



CORE DRILLS MASONRY - CONNECTION M16 - L 150 MM - LASER



Code	Ø	leng.	thick.	Height	b	nº seg.	conn.	thick. c
42402032F	32	15	3,0	8	2	3	M16	1,5
42402042F	42	15	3,0	8	2	3	M16	2,0
42402052F	52	24	3,0	8	2	3	M16	2,0
42402057F	57	24	3,5	8	2	3	M16	2,0
42402062F	62	24	3,5	8	2	3	M16	2,0
42402068F	68	24	3,5	8	2	4	M16	2,0
42402072F	72	24	3,5	8	2	4	M16	2,0
42402082F	82	24	3,5	8	2	4	M16	2,0
42402092F	92	24	3,5	8	2	4	M16	2,0
42402102F	102	24	3,5	8	2	5	M16	2,0
42402107F	107	24	3,5	8	2	5	M16	2,0
42402112F	112	24	3,5	8	2	5	M16	2,0
42402122F	122	24	3,5	8	2	5	M16	2,0
42402127F	127	24	3,5	8	2	5	M16	2,0
42402132F	132	24	3,5	8	2	6	M16	2,0
42402142F	142	24	3,5	8	2	6	M16	2,0
42402152F	152	24	4,0	8	2	7	M16	2,5
42402162F	162	24	4,0	8	2	8	M16	2,5
42402202F	200	24	4,0	8	2	9	M16	2,5
42402225F	225	24	4,0	8	2	9	M16	2,5



CORE DRILLS MASONRY - CONNECTION M16 - L 60 MM - LASER



Code	Ø	leng.	thick.	Height	b	nº seg.	conn.	thick. c
42603068	68	24	3,5	8	2	3	M16	
42603082	82	24	3,5	8	2	4	M16	



ACCESSORIES CORE DRILLS



ACCESSORIES CORE DRILLS CONNECTION 1"1/4 UNC

Code	
42901111	ADAPT.MACHINE 1"1/4 FEMALE TO CORE DRILL 1/2" FEMALE
42901100	EXTENSION 100 MM.CORE DRILL 1"1/4 MALE-FEMALE
42901200	EXTENSION 200 MM.CORE DRILL 1"1/4 MALE-FEMALE
42901300	EXTENSION 300 MM.CORE DRILL 1"1/4 MALE-FEMALE
42901400	EXTENSION 400 MM.CORE DRILL 1"1/4 MALE-FEMALE
42901500	EXTENSION 500 MM.CORE DRILL 1"1/4 MALE-FEMALE
4297H3M0	A.H DD200/300/500 21 HM A 1"1/4MA
4297M0H0	ADAP.H SDS-D1 3 .MALE TO1/2" FEMALE
4297M1H0	ADAP.H SDS-D1 3 .MALE TO1"1/4 MALE
4298M0M0	A.H SDS-D2 6 .MALE TO1"1/4M



SOLGA BAZOOKA

Code	
70300017	SOLGA BAZOOKA



ACCESSORIES CORE DRILLS CONNECTION 1/2" GAS

Code	
42900111	ADAPT.MACHINE 1/2" MALE TO CORE DRILLS 1"1/4 MALE
42900100	EXTENSION OF 100 MM.CORE DRILLS 1/2" MALE-FEMALE
42900200	EXTENSION OF 200 MM.CORE DRILLS 1/2" MALE-FEMALE
42900300	EXTENSION OF 300 MM.CORE DRILLS 1/2" MALE-FEMALE
42900400	EXTENSION OF 400 MM.CORE DRILLS 1/2" MALE-FEMALE



ACCESORIES CORE DRILLS HEXAGONAL

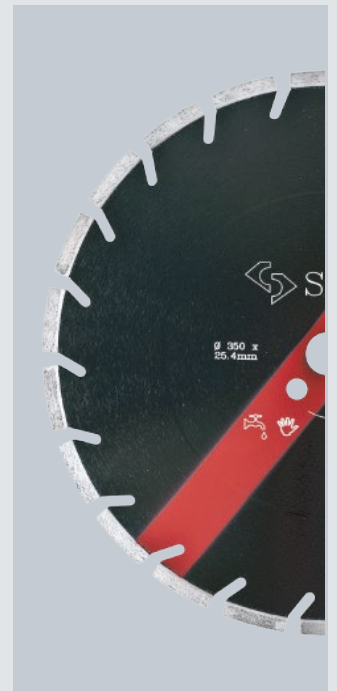
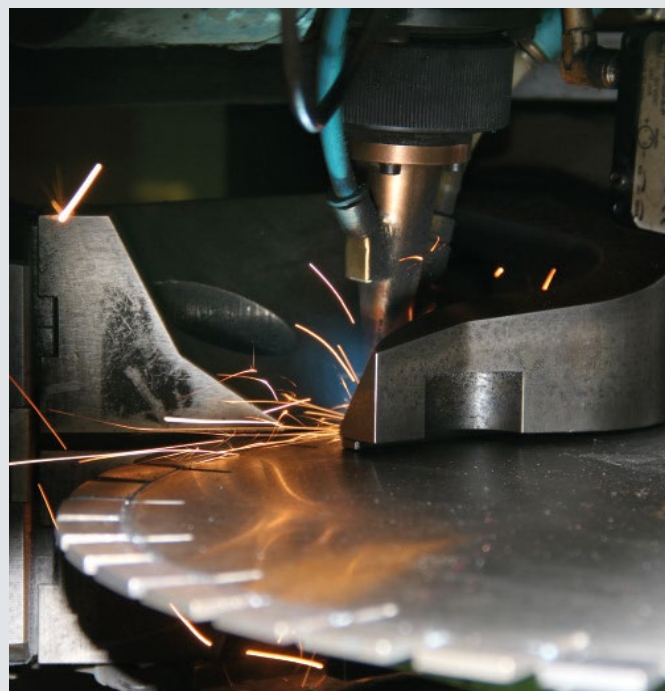
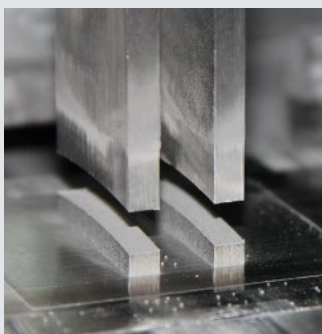
Code	
42996100	ADAPT.M16 TO HEXAGON.L:100 MM MALE-MALE
42996220	ADAPT. M16 TO HEXAGONAL L.220 MALE-MALE
42997100	ADAP.(BR.L50)SDS-PLUS TO M16(M)L:100 MM
42997220	ADAPT.SDS-PLUS TO M16 (M) L:220 MM M-M
42998210	CORE DRILLS GUIDE 8X210



CORE DRILL BITS



FLOOR SAW BLADES





BLADE CHARACTERISTICS

GEOMETRY OF THE STEEL CENTER

The selection of the steel center will influence the speed and performance. SOLGA offers two types of blades according to the needs of the work to be done:



LAR.

For applications where performance is more important than speed



BLZ/BL.

For applications where speed is more important than performance. Inclined notch (BLZ) until Ø 900, from Ø 900 straight notch (BL)

EUROPEAN DESIGN & MANUFACTURING OF DIAMOND TOOLS

SOLGA DIAMANT, after more than 60 years in the field of diamond tools, has developed a wide range of blades for cutting floors, responding to customers who need versatile tools for non-intensive jobs, such as the most demanding customers with high-intensity work, where tools designed for each application make the work becoming a great success.

Our commercial technical team will give you support to choose the best blade for every occasion, analyzing the requirement of the work, the type of machine available and the material to be cut.

PROTECTION IN THE WELDING ZONE

When abrasive materials are cut, wear of the steel center in the welding zone can occur, resulting in the loss of segments. To avoid this wear, the steel center can be protected with hard metal plates or with protection segments



WITH HARD METAL PLATES

- Highly resistance to abrasion
- Protecting the welding zone
- 1/5 segments have hard metal plate protection



WITH PROTECTION SEGMENT

- Laser welded protection
- 1/8 segments have 30% more height for protection

GEOMETRY & DESIGN OF THE SEGMENT

Depending on the application, power and speed of the machine, segments are designed with different hardness and geometrical characteristics.



LASER

H 8mm-10mm: For materials where abrasion requires a smooth side surface which avoids any extra wear. **Designed for medium and high power machines**



LASER-TURBO

H 10mm-15mm: For low abrasion materials, where speed and ease are preferred since there is less lateral friction. **Designed for low power machines and manual petrol engines**


SELECTION

SOLGA facilitates selection of the best blade, differentiating between;

- A- STEEL CENTER
- B- PAINTED BAND

The combination of both factors will provide the ideal blade for each application

A- COLOUR OF THE STEEL CENTER ACCORDING TO THE POWER OF THE MACHINE


 LOW POWER (<9 CV) (<7 KW)

 MEDIUM POWER (9-18 CV) (7-13,5 KW)

 HIGH POWER (>18 CV) (>13,5 KW)

B- COLOUR OF THE BAND ACCORDING TO THE MATERIAL TO BE CUT

 CURED CONCRETE

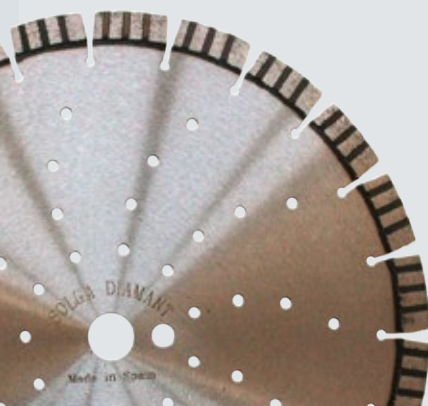
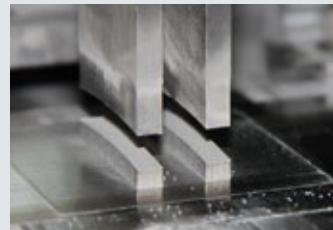
 ASPHALT + CONCRETE

 FRESH CONCRETE

 ASPHALT


CUSTOMIZED MANUFACTURING FOR SPECIFIC APPLICATIONS AND/OR WORKS

Manufacturing blades under request for specific applications. Consult our commercial technician





OUR RANGE (SCHEME MATERIAL VS MACHINE POWER)

	HIGH POWER (>18 CV) (>13,5 KW) 	MEDIUM POWER (9-18 CV) (7-13,5 KW) 	LOW POWER (<9 CV) (<7 KW)  
MORE ABRASIVE -> ASPHALT	 LAR & BLZ	 LAR	 LAR
FRESH CONCRETE	 LAR & BLZ	 LAR	 LAR
ASPHALT + CONCRETE	 LAR & BLZ	 BLZ	 LAR
<- LESS ABRASIVE REINFORCED CONCRETE CURED CONCRETE	 LAR & BLZ	 LAR & BLZ	 LAR

Blades with heavy-duty alloy for powerful machines and intensive use. Availability from Ø300mm up to Ø900mm *

Blades designed for specific cutting of material with light machines. Availability from Ø300mm up to Ø600mm *

Blades for rental companies or sporadic jobs with light machines. Availability from Ø300mm up to Ø400mm *

* OTHER DIAMETERS AND SHAFTS ON REQUEST

Guidance table. The aggregate of each material can influence the choice of the blade.



Use the QR code to directly access the digital format of the SOLGA DIAMANT catalogs and see our products in detail.

GRINDERS SAW BLADES, FLOOR SAW BLADES

SERIE SWIFT

TURBO segment in high 10mm or 15mm: For low abrasion materials, where speed and ease are preferred since there is less lateral friction. Designed for low power machines and hand held petrol machines. For wet cutting.

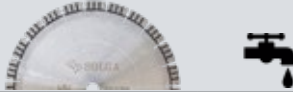
TURBO LASER SWIFT WET CUTTING H10



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch	thick. c
231_6300	300	40	3,0	8	2	20	25,4	LAR	1,8
231_6350	350	40	3,2	8	2	23	25,4	LAR	2,2
231_6400	400	40	3,4	8	2	27	25,4	LAR	2,5

complete Code: 0 = c.hole 20,00mm; 1 = c.hole 25,4 mm

TURBO LASER SWIFT WET CUTTING H15




Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch	thick. c
231_7300	300	40	3,0	13	2	20	25,4	LAR	1,8
231_7350	350	40	3,2	13	2	23	25,4	LAR	2,2
231_7400	400	40	3,4	13	2	26	25,4	LAR	2,5

complete Code: 0 = c.hole 20,00mm; 1 = c.hole 25,4 mm

TURBO LASER SWIFT DRY CUTTING H10

TURBO segment in high 10mm or 15mm: For low abrasion materials, where speed and ease are preferred since there is less lateral friction. Designed for low power machines and hand held petrol machines. For dry cutting.



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch	thick. c
231D6300	300	40	3,0	8	2	18	25,4	LAR	2,2
231D6350	350	40	3,2	8	2	22	25,4	LAR	2,5

LASER SWIFT WET CUTTING H10 STRAIGHT TYPE

For materials where abrasion requires a smooth side surface which avoids any extra wear. Designed for medium and high power machines.



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch	thick. c
251_6350	350	40	3,2	8	2	23	25,4	LAR	2,2

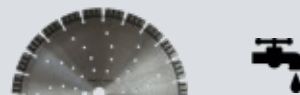
complete Code: 0 = c.hole 20,00mm; 1 = c.hole 25,4 mm





LASER SWIFT WET CUTTING H15 MULTIHOLES

The swift series with multi hole steel body, better cooling, you can see through the steel body when is cutting and it's easy to take the high of the segment for a rental purpose.



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch	thick. c
23107350M	350	40	3,2	13	2	23	20,0	LAR	2,2

RINGSAW

Ring saw blade for a hand held ring saw machines. Type Ap for abrasive materials and type G601 for multipurpose.

RINGSAW (RING) PROFESSIONAL (AP) ABRASIVE MAT



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch	thick. c
1340635001	350	40	4,2	8	2	18	288,0	AL-RINGSAW	3,0

RINGSAW (RING) STANDARD (G601)



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch	thick. c
1330635002	350	40	4,2	8	2	18	288,0	AL-RINGSAW	3,0
1330640002	400	40	4,2	8	2	18	320	AL-RINGSAW	
4MFR000001	K3600 TRACTION GUIDE WHEEL								

* The price does not include the guide wheel

MEDIUM POWER MACHINE (9-13CV)

Blades designed for medium power machines. Up to 13 HP

Sectors: Rental companies, users, distributors

Floor saw machines 9 - 13 CV

CURED CONCRETE MP (SPEED)

To cut cured concrete. The BLZ notch gives high cutting speed. Also is recommended when the machine has a very low power.



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch	thick. c
24306300	300	40	3,0	8	2	19	25,4	BLZ	1,8
24306350	350	40	3,2	8	2	22	25,4	BLZ	2,2
24306400	400	40	3,4	8	2	24	25,4	BLZ	2,5
24306450	450	40	3,6	8	2	29	25,4	BLZ	2,8
24306500	500	40	3,8	8	2	32	25,4	BLZ	2,8
24306600	600	40	4,5	8	2	40	25,4	BLZ	3,5

CURED CONCRETE MP (PERFORMANCE)

To cut cured concrete. The LAR notch gives long life.



Code	Ø	leng.	thick.	Height	b	n° seg.	c.hole	Notch	thick. c
23906300	300	40	3,0	8	2	20	25,4	LAR	1,8
23906350	350	40	3,2	8	2	23	25,4	LAR	2,2
23906400	400	40	3,4	8	2	28	25,4	LAR	2,5

CURED CONCRETE + ASPHALT MP (WITHOUT PROTECTION TIPS)

To cut cured concrete + Asphalt. The diamond bond is designed to cut hard concrete but at the same time protect the blade from the abrasivity of the asphalt . Designed with BLZ notch.



Code	Ø	leng.	thick.	Height	b	n° seg.	c.hole	Notch	thick. c
24506300	300	40	3,0	8	2	19	25,4	BLZ	1,8
24506350	350	40	3,2	8	2	22	25,4	BLZ	2,2
24506400	400	40	3,4	8	2	26	25,4	BLZ	2,5
24506450	450	40	3,6	8	2	29	25,4	BLZ	2,8
24506500	500	40	3,8	8	2	32	25,4	BLZ	2,8

FRESH CONCRETE OR ASPHALT MP (WITHOUT PROTECTION TIPS)

To cut cured fresh concrete o Asphalt. The diamond bond is designed to support the abrasivity of the fresh concrete or the Asphalt . Designed with LAR notch for longer life.



Code	Ø	leng.	thick.	Height	b	n° seg.	c.hole	Notch	thick. c
23006300	300	40	3,0	8	2	20	25,4	LAR	1,8
23006350	350	40	3,2	8	2	23	25,4	LAR	2,2
23006400	400	40	3,4	8	2	28	25,4	LAR	2,5
23006450	450	40	3,8	8	2	32	25,4	LAR	2,8
23006500	500	40	3,8	8	2	36	25,4	LAR	2,8
23006600	600	40	4,5	8	2	42	25,4	LAR	3,5





HIGH POWER MACHINE

EXPANSION JOINTS CUTTING H8/2

PRICES WITHOUT PROTECTION TIPS (check the protection tips charge on the extra operations)

Premium line for machines up to 13CV. The premium line is manufactured with premium diamond and the best bonds to resist the highest requirements on the powerful floor cutter machines

CURED CONCRETE A132

The bond A132 is designed to cut cured concrete and hard concrete. Available in notch LAR for long life or the highest power machine, or BLZ for fast cutting or for lower power in the high



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch	thick. c
23606300	300	40	3,0	8	2	21	25,4	LAR	1,8
23606350	350	40	3,2	8	2	23	25,4	LAR	2,2
23606400	400	40	3,4	8	2	28	25,4	LAR	2,5
23606450	450	40	3,6	8	2	32	25,4	LAR	2,8
23606500	500	40	3,8	8	2	36	25,4	LAR	2,8
23606600	600	40	4,5	8	2	42	25,4	LAR	3,5
23606700	700	40	5,5	8	2	50	60/25,4	LAR	4,0
23606800	800	40	6,0	8	2	57	60/25,4	LAR	4,5

Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch	thick. c
24606300	300	40	3,0	8	2	19	25,4	BLZ	1,8
24606350	350	40	3,2	8	2	23	25,4	BLZ	2,2
24606400	400	40	3,4	8	2	26	25,4	BLZ	2,5
24606450	450	40	3,6	8	2	29	25,4	BLZ	2,8
24606500	500	40	3,8	8	2	32	25,4	BLZ	2,8
24606600	600	40	4,5	8	2	40	25,4	BLZ	3,5
24606700	700	40	5,5	8	2	46	25,4	BLZ	4,0
24606800	800	40	6,0	8	2	52	25,4	BLZ	4,5

CURED CONCRETE +ASPHALT A181 (WITHOUT PROTECTION TIPS)

The bond A181 is designed to cut cured concrete plus a layer of asphalt on the top. Available in notch LAR for long life or the highest power machine, or BLZ for fast cutting or for lower power in the high power machines. The bond is ready to withstand the abrasivity of the asphalt, but at the same time the hardness of the concrete.



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch	thick. c
23806300	300	40	3,0	8	2	21	25,4	LAR	1,8
23806350	350	40	3,2	8	2	24	25,4	LAR	2,2
23806400	400	40	3,4	8	2	28	25,4	LAR	2,5
23806450	450	40	3,6	8	2	32	25,4	LAR	2,8
23806500	500	40	3,8	8	2	36	25,4	LAR	2,8
23806600	600	40	4,5	8	2	42	25,4	LAR	3,5



23806700	700	40	5,5	8	2	50	60/25,4	LAR	4,0
23806800	800	40	6,0	8	2	57	60/25,4	LAR	4,5
Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch	thick. c
24806300	300	40	3,0	8	2	19	25,4	BLZ	1,8
24806350	350	40	3,2	8	2	23	25,4	BLZ	2,2
24806400	400	40	3,4	8	2	26	25,4	BLZ	2,5
24806450	450	40	3,6	8	2	29	25,4	BLZ	2,8
24806500	500	40	3,8	8	2	32	25,4	BLZ	2,8
24806600	600	40	4,5	8	2	40	25,4	BLZ	3,5
24806700	700	40	5,5	8	2	46	25,4	BLZ	4,0
24806800	800	40	6,0	8	2	52	25,4	BLZ	4,5

Ask for other Thickness

FRESH CONCRETE A66 (WITHOUT PROTECTION TIPS)

The bond A66 is designed to cut fresh concrete. Available in notch LAR for long life or the highest power machine, or BLZ for fast cutting or for lower power in the high power machines. The bond is ready to withstand the height abrasivity of the fresh concrete.



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch	thick. c
23716300	300	40	3,0	8	2	21	25,4	LAR	1,8
23716350	350	40	3,2	8	2	23	25,4	LAR	2,2
23716400	400	40	3,4	8	2	27	25,4	LAR	2,5
23716450	450	40	3,6	8	2	32	25,4	LAR	2,8
23716500	500	40	3,8	8	2	36	25,4	LAR	2,8
23716600	600	40	4,5	8	2	42	25,4	LAR	3,5
23716700	700	40	5,0	8	2	50	60/25,4	LAR	4,0
23716800	800	40	6,0	8	2	57	60/25,4	LAR	4,5

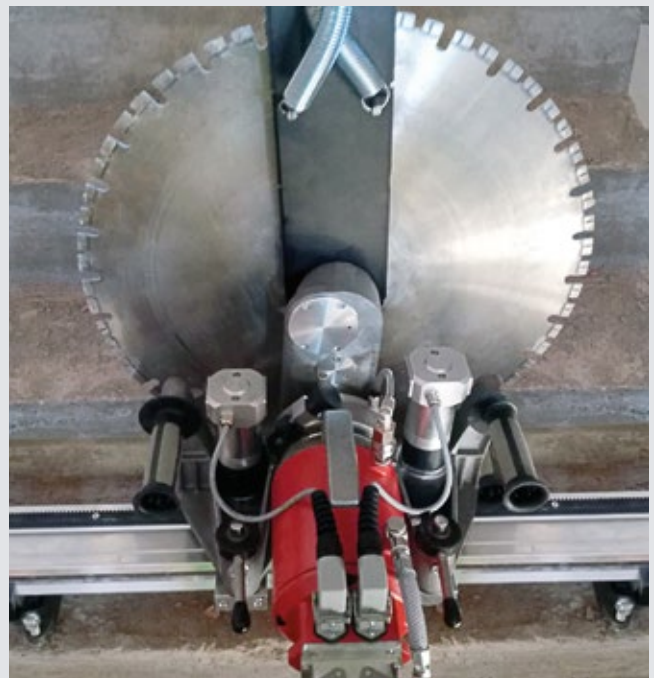
Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch	thick. c
24716300	300	40	3,2	8	2	19	25,4	BLZ	1,8
24716350	350	40	3,2	8	2	22	25,4	BLZ	2,2
24716400	400	40	3,4	8	2	26	25,4	BLZ	2,5
24716450	450	40	3,6	8	2	29	25,4	BLZ	2,8
24716500	500	40	3,8	8	2	32	25,4	BLZ	2,8
24716600	600	40	4,5	8	2	40	25,4	BLZ	3,5
24716700	700	40	5,0	8	2	46	25,4	BLZ	4,0
24716800	800	40	6,0	8	2	52	25,4	BLZ	4,5

FLOOR SAW BLADES





WALL SAW AND PRECAST DIAMOND BLADES



WALL SAW BLADES

TABLE OF RECOMENDATIONS

SILICEOUS CONCRETE	+ SPEED MRW	+ PERFORMANCE S8019
CALCAREOUS CONCRETE	+ SPEED MR	+ PERFORMANCE 8019

EUROPEAN DESIGN & MANUFACTURING OF DIAMOND TOOLS

SOLGA DIAMANT has been serving the precast concrete industry several decades. Thanks to our experience in this sector, we have developed a wide range of alloys that will allow us to cut any concrete with excellence regardless of its composition both in its aggregate and in its amount of iron.

In the same way, we have developed a wide range of blades for cutting concrete walls, giving answers to the clients who need more versatile tools.

Our commercial technical team will advise you on the ideal tool, after analyzing parameters, machinery and material to be cut.

Use the QR code to directly access the digital format of the SOLGA DIAMANT catalogs and see our products in detail



GEOMETRY & DESIGN OF THE SEGMENT

U

Double entry segment the facilitates a quick and continuous cut



TURBO-LASER

Segment which offers facilitation for cutting, while reducing segment friction



PRECAST BLADES

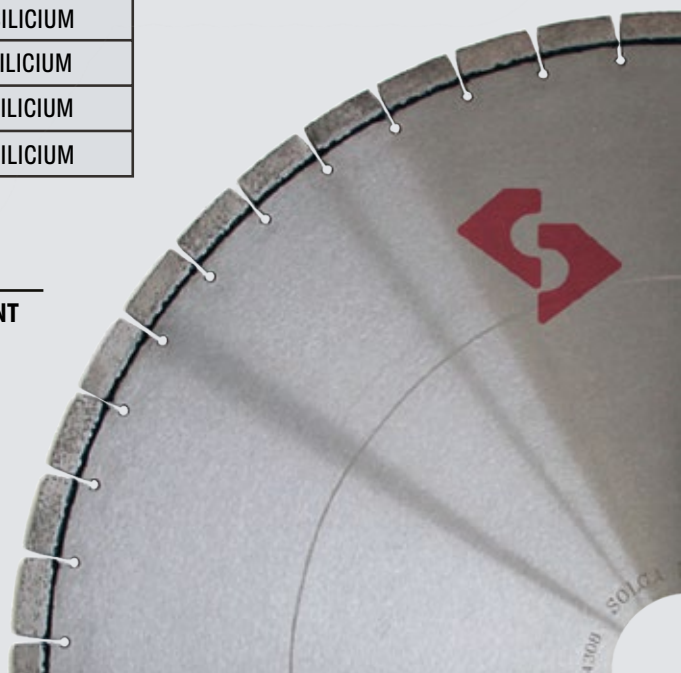
TABLE OF RECOMENDATIONS

A8019	CALCAREOUS ARID
A141	ARID WITH $\leq 5\%$ SILICIUM
A262M	ARID WITH $\leq 10\%$ SILICIUM
3402	ARID WITH $\leq 20\%$ SILICIUM
3403	ARID WITH $\leq 30\%$ SILICIUM
3404	ARID WITH $\leq 40\%$ SILICIUM
3405	ARID WITH $> 40\%$ SILICIUM

GEOMETRY & DESIGN OF THE SEGMENT

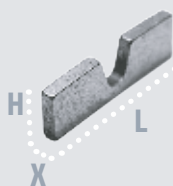
RECTANGULAR

Segment with the most appropriate geometry to obtain perfect cuts in prefabricated concrete and beams





SEGMENT DIMENSIONS



HEIGHT H:

H 10mm: For blades with **Turbo-Laser** and **U type** segments

H 15mm: For blades with **U type** segments

WIDTH X:

Depending on the type of work to be done, SOLGA offers different widths (X)

X 4mm: PANEL

X 4,5mm: STANDARD

X 5mm: PRECUT

LENGTH L:

L 50mm: For blades with **U type** segments

L 20mm x 2: For blades with **Turbo-Laser** segments



- Laser welded blades
- Immediate availability of diameters up to **1600mm**
- Ability to adapt our blades to any machine in the market (**fixing holes and shafts**)

SEGMENT DIMENSIONS



HEIGHT H:

H 10mm: For blades with diameters above 1.000mm

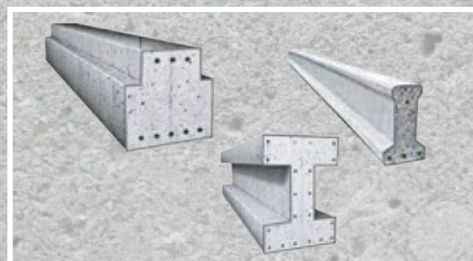
H 15mm: For blades with diameter under 1.000mm

WIDTH X:

To be determined by SOLGA according to the diameter and application

LENGTH L:

All our blades for Precast concrete have segments with length **40mm**





WALL BLADES

MEDIUM-HIGH POWER

WALL SAW. TYPE S8019 H10

Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	thick. c
3411660310	600	50	4,8	8	2	30	60	3,5
3411665310	650	50	4,8	8	2	33	60	3,5
3411670310	700	50	4,8	8	2	35	60	3,5
3411675310	750	50	4,8	8	2	40	60	3,5
3411680310	800	50	4,8	8	2	40	60	3,5
3411690310	900	50	4,8	8	2	45	60	3,5
34116103	1000	50	4,5	8	2	50	60	3,5
34116123	1200	50	4,5	8	2	60	60	3,5
34116130	1300	50	4,5	8	2	66	60	3,5
34116140	1400	50	4,5	8	2	70	60	3,5
34116150	1500	50	4,5	8	2	75	60	3,5
34116160	1600	50	4,5	8	2	80	60	3,5
34116180	1800	50	4,5	8	2	92	60	3,5
34116200	2000	50	4,5	8	2	100	60	3,5

WALL SAW. TYPE S8019 HEIGHT 15MM

Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	thick. c
3411760310	600	40	4,8	13	2	30	60	3,5
3411770310	700	40	4,8	13	2	35	60	3,5
3411780310	800	50	4,8	13	2	38	60	3,5
3411790310	900	50	4,8	13	2	45	60	3,5
34117103	1000	40	4,5	13	2	50	60	3,5
34117123	1200	40	4,5	13	2	60	60	3,5

MEDIUM-LOW POWER

WALL SAW. TYPE CUADRO-2L H10

Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	thick. c
3418660310	600	40	4,5	8	2	30	60	3,5
3418665310	650	40	4,5	8	2	33	60	3,5
3418670310	700	40	4,5	8	2	35	60	3,5
3418680310	800	40	4,5	8	2	40	60	3,5
3418690310	900	40	4,5	8	2	45	60	3,5
34186103	1000	40	4,5	8	2	50	60	3,5



WALL SAW BLADES





SERIE MR-W H10

Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	thick. c
34136603	600	40	4,8	8	2	30	60	3,5
34136803	800	40	4,8	8	2	40	60	3,5
34136903	900	40	4,8	8	2	45	60	3,5
34136103	1000	40	4,5	8	2	50	60	3,5
34136123	1200	40	4,5	8	2	60	60	3,5
34136160	1600	40	4,5	8	2	80	60	3,5

SERIE MR-M H10

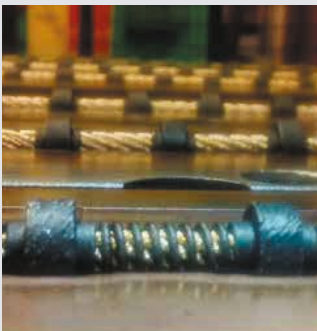
Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	thick. c
3416660310	600	50	4,8	8	2	30	60	3,5
3416670310	700	50	4,8	8	2	35	60	3,5
3416680310	800	50	4,8	8	2	40	60	3,5
3416690310	900	50	4,8	8	2	45	60	3,5
34166103	1000	50	4,5	8	2	50	60	3,5
34166123	1200	50	4,5	8	2	60	60	3,5

SOLGA BAZOOKA

Code	
70300019	ADAPTER F/BAZOOKA FOR BLADE 0800
70300020	ADAPTER F/BAZOOKA FOR BLADE 01200
70300018	KIT EXTRACTOR FOR BLADE .Ø800 ADAP.+BAZOOKA
70300021	KIT EXTRACTOR FOR BLADE .Ø1200 ADAP.+BAZOOKA



DIAMOND WIRE FOR CONSTRUCTION





DIAMOND WIRE

TECHNICAL DESCRIPTION

SOLGA diamond wire for construction is designed to provide high cutting capabilities and maximum safety, as a result of using high-quality raw materials and manufacturing processes.



EUROPEAN DESIGN AND MANUFACTURING OF DIAMOND TOOLS

SOLGA DIAMANT, leader in the manufacturing of diamond wires, develops wires continuously to adapt the needs of our customers, focusing the manufacturing in obtaining secure and high quality wires.

In our productive processes we use developed rubbers specially designed to obtain the maximum adhesion on the cable and the beads.

Our HIP sintering offers the best option in cutting armed concrete and iron. Completing the range with manufactured beads through the Vacuum system.

Our commercial technical team will give you support to choose the best wire for specific applications, analyzing the requirement of work, the type of machine available and the material to be cut.

A- STEEL CABLE

Of high resistance and flexibility. Designed to work with small pulleys, transmitting the torsion easily which helps to optimise the bead usage so that the beads wear evenly

B- HIGH RESISTANCE SPRINGS

Protects the cable from loose bars to provide extra support between beads

C- RUBBER

Coating through injection of flexible rubber to protect the cable from abrasion and water, fixing the beads strongly to the cable avoiding its displacement or rotation

BEAD DESIGN

SOLGA manufactures different types of beads for different types of application.



HIP BEADS

The beads manufactured through the HIP system provides a high retention of diamond (95% retention compared to 50-60% with other processes), applying pressure on the bead from all directions (through gas) during the sintering. This provides very versatile beads, with high cutting speed and very high performance



VACUUM BEADS

The beads manufactured using the Vacuum system have the diamond inserted directly on the carrier. This provides an easy-to-use wire since the bead does not need to be regenerated, and does not lose diameter during work. For this reason it is easy to change the wire in a simple and quick way when it wears.

TABLE OF PERFORMANCE

With a machine of the following characteristics:

POWER = 15-30 HP
 LINEAL SPEED = 18-35 m/s (*)
 CABLE TENSION = 60-70 KG
 CUTTING SPEED = 1-5 m/h



		PERFORMANCE
X = 0		3-4 m²/mt
0 < X < 0,4%		1,5 - 3 m²/mt
0,4 < X < 1%		1,5 m²/mt
1 < X < 1,5%		1 m²/mt

(X) = % of Steel in the material to be cut

(*) The Speed depends on the material to be cut, hardness and abrasivity.

Hard Concretes -> Low Speed - **Abrasive Concrete** -> High Speed

TYPES OF BONDINGS

BONDING	DIMENSIONS	MATERIAL	CHARACTERISTICS
N20	Ø10,5 / L = 6 / 40 P/m	ABRASIVE CONCRETE	PRODUCTIVITY
G25	Ø10,5 / L = 6 / 40 P/m	HARD CONCRETE	HIGH SPEED
G25 Steel	Ø10,5 / L = 6 / 40 P/m	HARD CONCRETE / STEEL	HIGH SPEED - PRODUCTIVITY
T3 S-3	Ø11,5 / L = 3 / 40 P/m	ABRASIVE CONCRETE	HIGH PRODUCTIVITY
VACUUM	Ø10 / L = 7 / 40 P/m	CONCRETES	SPEED
VACUUM	Ø10 / L = 7 48 P/m	CONCRETE / STEEL	PRODUCTIVITY

Use the QR code to directly access the digital format of the SOLGA DIAMANT catalogs and see our products in detail.



TORSION OF THE WIRE AND THE PLACEMENT OF THE CONNECTORS



Indispensable need for cutting and for the bead to wear evenly throughout its surface



1. CUT THE WIRE AND REMOVE THE RUBBER

Using a shear, cut the cable about 13 mm from the diamond bead (needs 10 mm for the connector)

Once cut, completely remove the rubber from the surface of the cable where the connection has to be placed (as you can see in the image)

2. WIRE TORSION

Hold one end of the cable and perform between 1.5 and 2.5 turns per meter of cable. (It is advisable to provide half the turns from one end and the other half from the other)

3. PLACING THE CONNECTORS

- 1- Check that the shape and size of the connectors is suitable and conforms well with the matrix of the press tool.
- 2- Connect according to the instructions of your pressing tool
- 3- Make sure there is no space left without rubber before and after the connector.

GENERAL RECOMMENDATIONS FOR USE:

1. Round the corners of the area to be cut / 2. Before starting the cut, rotate the wire at low speed and low pressure to facilitate the transmission of the turns along the entire wire / 3. It is recommended that the wire is more than 7m long // **REMEMBER:** Highlight the working area and inspect the wire before using it. Store the wire in a dry place and out of the sun.

SITUATIONS AND ITS SOLUTIONS

SOLGA presents the possible solutions (**In black**) before a determined situation (**IN RED**) that can occur in the job to be performed

DISPLACEMENT OF BEADS



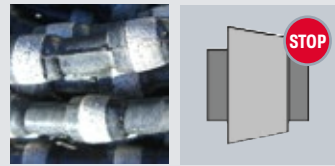
VERY HIGH TENSION ON WIRE
Reduce forward speed

VERY LOW COOLING
Increase cooling

THE WIRE SKATES IN THE MATRIX PULLEY FOR LACK OF ADHERENCE
Increase tension

BLOCKING OF THE WIRE
Use wedges to prevent closures in the area of the cut

EXCESSIVE CONICITY



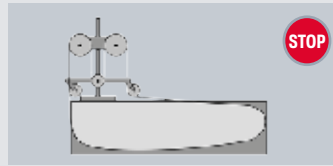
ABRASIVE MATERIALS
Use a bead more suitable for abrasive materials

SMALL CUTTING SURFACE
Increase peripheral speed and reduce forward speed

LOW / INCORRECT COOLING
Increase cooling

LOW PERIPHERAL SPEED
Increase peripheral speed

THE WIRE DOESNT START TO CUT



VERY HIGH TENSION ON WIRE
Reduce forward speed

VERY PRONOUNCED CORNERS
Round corners

DIFFERENCES IN DIAMETER ALONG OF THE THREAD

Only use wires with diameters with differences not exceeding 0,2mm

THE ANGLE OF CONTACT IS LARGE
Use guide pulleys

PLANNED WIRE



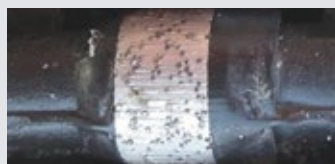
NUMBER OF TURNS PER METER INSUFFICIENT
Increase the number of turns

EXCESSIVE TENSION ON WIRE
Reduce the forward speed

LOW REFRIGERATION
Increase cooling

INSUFFICIENT DISTANCE BETWEEN PULLEY AND THE CUTTING AREA
Increase the distance

THE WIRE DOES NOT CUT OR CUTS VERY SLOWLY



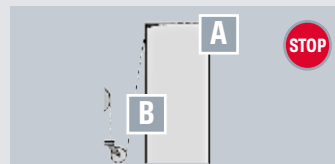
VERY HARD MATERIALS
Reopening with abrasive materials and /or reducing the peripheral speed

VERY LARGE CUTTING SURFACE
Reduce the cutting surface using guide pulleys

HIGH PERIPHERAL SPEED
Reduce peripheral speed

VERY REINFORCED CONCRETE
Reduce peripheral speed or use an appropriate bonding

BREAKS IN THE WIRE



WIRE TENSION IS HIGH
Lower the forward speed

(A) CORNERS ARE VERY ACUTE
Round corners

(B) THE ANGLE IS VERY ACUTE IN THE ENTRANCE OF THE CUT
Increase the cooling

STRONG VIBRATIONS IN THE CONNECTORS
Verify the balance and the wear of the pulleys

SLIPPING/ESCAPE IN THE AREA OF THE CONNECTOR



INCORRECT PRESSURE OR IMPROPER CONNECTOR
Use the correct match between press and connector

HIGH TENSION ON WIRE
Reduce forward speed

VERY ACUTE CORNERS
Round corners

VERY ACUTE ANGLE IN THE ENTRANCE OF THE CUT
Use guide pulleys

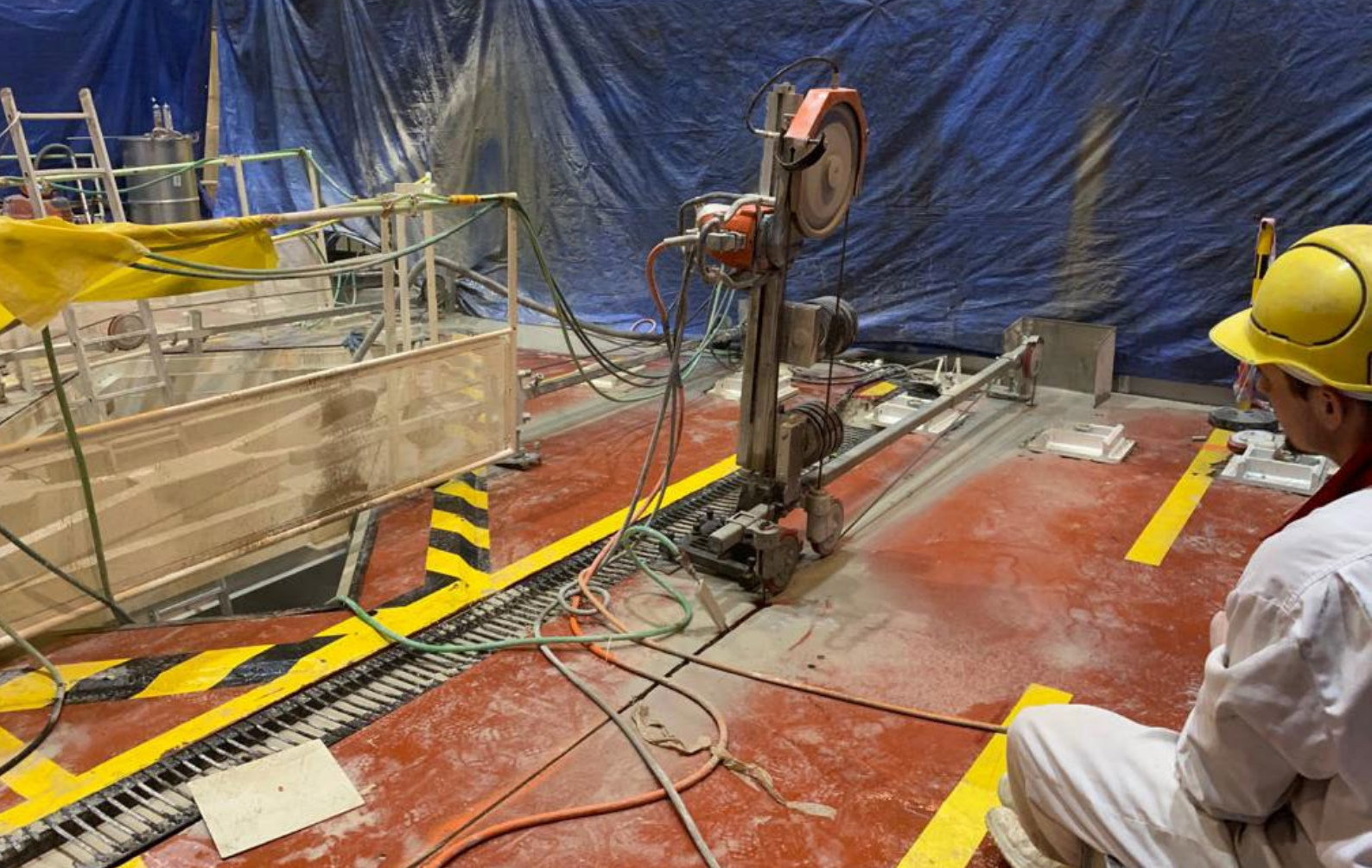
DIAMOND ON THE BEAD



PERIPHERAL SPEED
(A) INCREASE Speed **(B) LOWER** Speed

COOLING (WATER)
(A) Water is little **(B) Water is too much**

ADVANCE OF THE MACHINE
(A) Increase **(B) Decrease**





DIAMOND WIRE FOR CONSTRUCTION

HIP

Code	
404M9GZ4	40BM WIRE SPRINGS CONCRETE RUBBER 40BM 11,5X6 T3S
404M9PZC	40BM WIRE SPRINGS CONCRETE RUBBER 10,5X6 N20
404M9PZB	40BM WIRE SPRINGS CONCRETE RUBBER 10,5X6 N20W
404M9TZC	40BM WIRE SPRINGS CONCRETE RUBBER 10,5X6 G25
404M9TZ4	40BM WIRE SPRINGS CONCRETE RUBBER 10,5X6 N G25 STEEL



VACUUM

Code	
404M9VZC	40BM WIRE SPRINGS CONCRETE RUBBER 10,5X6 VS VACUUM
404M9V8C	48BM WIRE SPRINGS CONCRETE RUBBER 10,5X6 VS VACUUM



F. SINTERING

Code	
404M9FZ0	40BM WIRE SPRINGS CONCRETE RUBBER 10,5X6 FSH F.SINTERING



DIAMOND WIRE ACCESORIES

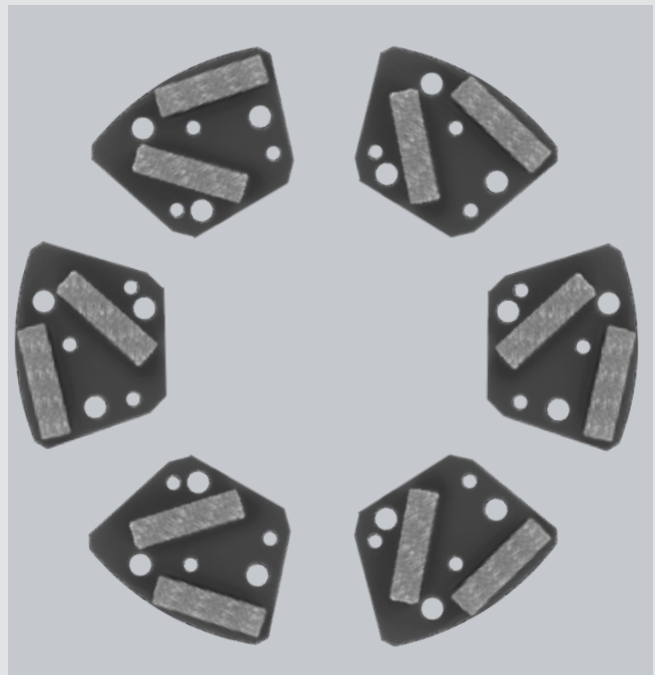
Code	
40910226	10 JOINTS AC.L25 S/R S/F A05 RUBBER
40912000	CARDAN JOINTS AC.L.39 09,5 C/R S/F A05 CONCRETE
40960001	COMPLETE MANUAL PRESS



DIAMOND WIRE



SURFACE PREPARATION



10



GRINDING SHOES AND GRINDING WHEELS

BONDS AND ITS APPLICATION

The selection of the bond depends on the abrasion of the material to be prepared. For that reason, SOLGA DIAMANT has designed different bonds identified by colors:

PKD

PKD grinding shoe designed for the removal of **resins or epoxy paints** from 1 - 5mm.

Availability: 1 or 2 segments

Application: epoxy paints and resins

CPH10

CPH10 grinding shoe designed for the preparation of **medium abrasive pavements** with 5-10% silicium.

Application: "Multipurpose bond" for all types of concrete or high hardness siliceous concrete.

BLCH

BLCH grinding shoe designed in the shape of a moon for shaving **extra hard pavements** with 0% silicium.

Application: hard paints and resins, very hard limestone, porcelain, granite, terrazzo

CPH20

CPH20 grinding shoe designed for the preparation of **abrasive pavements** with 10-20% silicium

Application: Siliceous concrete, low hardness concrete, asphalt, quartz.

CPH

CPH grinding shoe designed for the preparation of **hard pavements** with 0-5% silicium.

Application: low-set paints and resins, calcareous or floating concrete, terrazzo, granite.

SLURRY

SLURRY grinding shoe designed for the preparation of **extremely abrasive pavements** with more than 40% silicium.

Application: multilayer paints, milled concrete, porose concrete, slurry and asphalt.

EUROPEAN DESIGN AND MANUFACTURING OF DIAMOND TOOLS

SOLGA DIAMANT, leader in the manufacturing of diamond tools for floor preparation, thanks to its experience in the sector, continuously develop bonds that adapt to the needs of our customers.

In your preparation process, select the best diamond size and bond for each type of work, from roughing to polishing of concrete and abrasive materials.

Our commercial technical team will help you to select the best bond, grain or possible crown, analyzing the work requirement, type of machine and material to be treated.

DIAMOND SIZE AND ITS APPLICATION

The selection of the diamond grain size is based on the process to be performed. For grinding, polishing or refining different sizes are necessary. The smaller the grain size the smaller the marks on the surface.

1. GRINDING

GRAIN 16:

Very large grain size used for the preparation of concrete in poor or irregular conditions, removal of paints or resins of a certain thickness.

2. POLISHING

GRAIN 30/40:

Large grain size used after initial grinding to prepare the surface for the application of epoxy resins or to remove thin paints.

GRAIN 60/80:

Medium grain size used after the first step of polishing to prepare the surface for the application of epoxy paints or resins without showing any marks.

3. REFINING

GRAIN 100/120:

Small grain size used to leave the surface without markings for the application of clear paint or to brighten with phenolic or resinoid sandpaper.



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CUP WHEELS GRANITE / CONCRETE / MARBLE

CUP WHEEL GRANITE PROFESSIONAL SIMPLE ROW

Code	Ø	leng.	thick.	Height	nº seg.	c.hole
53111100	100					M14



CUP WHEEL GRANITE PROFESSIONAL DOUBLE ROW

Code	Ø	leng.	thick.	Height	nº seg.	c.hole
53120100	100					22,2



CUP WHEEL GRANITE STANDARD DOUBLE ROW

Code	Ø	leng.	thick.	Height	nº seg.	c.hole
53122125	125					M14

CUP WHEEL TURBO PROFESSIONAL

Code	Ø	leng.	thick.	Height	nº seg.	c.hole
53130125	125					22,2



CUP WHEEL TURBO STANDARD GRANITE

Code	Ø	leng.	thick.	Height	nº seg.	c.hole
53132100	100					M14

CUP WHEEL CONCRETE STANDARD DOUBLE ROW BLACK

Code	Ø	leng.	thick.	Height	nº seg.	c.hole
53220100	100			5,5		22,2
51220115	115			5,5		22,2
53220125	125			5,5		22,2
53220180B	180			5,5		22,2



CUP WHEEL CONCRETE STANDARD DOUBLE ROW GRAY

Code	Ø	leng.	thick.	Height	nº seg.	c.hole
53123125	125			5,5		22,2
53220180	180			5,5		22,2



CUP WHEEL PREMIUM BOOMERANG

Code	Ø	leng.	thick.	Height	nº seg.	c.hole
53126125	125					22,2
53126180	180					22,2



SURFACE PREPARATION





CUP WHEEL ANGULAR MULTIPURPOSE GR. 40

Code	Ø	leng.	thick.	Height	n° seg.	c.hole
54321115	115					22,2



CUP WHEEL METAL

Code	Ø	leng.	thick.	Height	n° seg.	c.hole
54333125	125					22,2



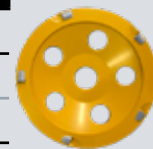
CUP WHEEL VACUUM DUST ASPIRATION MULTILAYER

Code	Ø	leng.	thick.	Height	n° seg.	c.hole
54323125	125				8	22,2



CUP WHEEL PAINTS MULTIPURPOSE

Code	Ø	leng.	thick.	Height	n° seg.	c.hole
54326125	125 PKD					22,2
54325125	125 SHARP					22,2
54324125	125 ROUND					22,2
54324180	180 ROUND					22,2



PKD



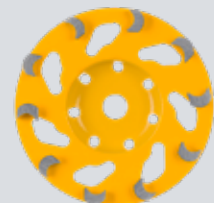
SHARP



ROUND

CUP WHEEL RESIN PAINT BLCH

Code	Ø	leng.	thick.	Height	n° seg.	c.hole
52991207	125	15	6,3	8	7	22,2
52991812	180	15	6,3	8	12	22,2



CUP WHEEL ANGLED FLAT

Code	Ø	leng.	thick.	Height	n° seg.	c.hole
52401612	120	24	10,0	5	16	60,0

ADAPTERS

Code	
53100000	ADAPTER CUP WHEEL 22,2 A M14
53100001	ADAPTER GRINDING MACHINE 22,2 A M14

CONCRETE GRINDING AND POLISHING



GRINDING SHOE COLA MILANO - TYPE H

Code	Grano	leng.	thick.	Height	b	n° seg.
51246P11	1					
51246P21	2					
51246340	BLCH	15	6,3	8	0	4
51246231*	16	40	10	9	1	2
51246233*	30/40	40	10	9	1	2
51246234*	60/80	40	10	9	1	2
51246235*	100/120	24	10	10	0	4
5124626D	slurry	24	15	19	1	2



GRINDING SHOE COLA MILANO - TYPE SCK

Code	Grano	leng.	thick.	Height	b	n° seg.
51245P11	1					
51245P21	2					
51245340	BLCH	15	6,3	8	0	4
51245231*	16	40	10	9	1	2
51245233*	30/40	40	10	9	1	2
51245234*	60/80	40	10	9	1	2
51245215*	100/120	24	10	10	0	2
5124526D	slurry	24	15	19	1	2



GRINDING SHOE CORB - TYPE U

Code	Grano	leng.	thick.	Height	b	n° seg.
51242P11	1					
51242P21D	2					
51242340	BLCH	15	6,3	8	0	4
51242231*	16	40	10	9	1	2
51242233*	30/40	40	10	9	1	2
51242234*	60/80	40	10	9	1	2
51242235*	100/120	24	10	10	0	4
5124226D	slurry	24	15	19	1	2



GRINDING SHOE UNIVERSAL - TYPE ALA

Code	Grano	leng.	thick.	Height	b	n° seg.
51243P11	1					
51243P21	2					
51243340	BLCH	15	6,3	8	0	4
51243231*	16	40	10	9	1	2
51243233*	30/40	40	10	9	1	2
51243234*	60/80	40	10	9	1	2
51243235*	100/120	24	10	10	0	2
5124326D	slurry	24	15	19	1	2



SURFACE PREPARATION





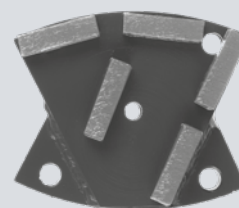
GRINDING SHOE CONTEC

Code	Grano	leng.	thick.	Height	b	n° seg.
51248P11	1					
51248P21	2					
51248340	BLCH	15	6,3	8	0	4
51248231*	16	40	10	9	1	2
51248233*	30/40	40	10	9	1	2
51248234*	60/80	40	10	9	1	2
51248235*	100/120	40	10	9	1	2
5124826D	slurry	24	15	19	1	2



GRINDING SHOE TYPE BORDA Z5

Code	Grano	leng.	thick.	Height	b	n° seg.
51247231*	16	40	10	9	1	5
51247233*	30/40	40	10	9	1	5
51247234*	60/80	40	10	9	1	5
51247235*	100/120	24	10	10	0	5



GRINDING SHOE TYPE RINON

Code	Grano	leng.	thick.	Height	b	n° seg.
51241231*	16	40	10	9	1	4
51241233*	30/40	40	10	9	1	4
51241234*	60/80	40	10	9	1	4



GRINDING SHOES METALLIC - JB10

Code	Grano	leng.	thick.	Height	b	n° seg.
51249231*	16	40	10	9	1	2
51249233*	30/40	40	10	9	1	2
51249234*	60/80	40	10	9	1	2
51249235*	100/120	24	10	10	0	2



GRINDING SHOES METALLIC - TYPE MINI CORNER GRINDING SHOE

Code	Grano	leng.	thick.	Height	b	n° seg.
51240411*	16	40	10	9	1	0,5
51240413*	30/40	40	10	9	1	0,5
51240414*	60/80	40	10	9	1	0,5





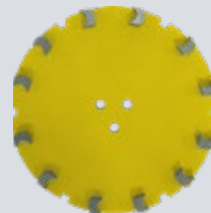
GRINDING WHEELS TYPE VP Ø200

Code	Grano	leng.	thick.	Height	b	nº seg.
5299200951D1	16	40	10	9	1	6
5299200951D	30/40	40	10	9	1	6
5299200951D5	60/80	40	10	9	1	6
5299200951D7	100/120	40	10	9	1	6



GRINDING WHEELS TYPE RAPTOR

Code	Grano	leng.	thick.	Height	b	nº seg.
5299200951A	30/40	40	10	9	1	6



GRINDING WHEELS TYPE BT Ø250

Code	Grano	leng.	thick.	Height	b	nº seg.
529B251520D0	16	40	10	9	1	14
529B251520D	30/40	40	10	9	1	14
529B251520D5	60/80	40	10	9	1	14
529B251520D7	100/120	24	10	10	0	14



GRINDING WHEELS TYPE STAR Ø250

Code	Grano	leng.	thick.	Height	b	nº seg.
529B251520S4	40/60	40	10	9	1	20



*CODE GENERATOR:

GENERAL

5124

+

MODEL

+

ALLOY

+

GRAIN

FOR EXAMPLE:

51248213 CONTEC CPH 30/40

- 62 COLA MILANO TYPE H
- 52 COLA MILANO TYPE SCK
- 22 CORB TYPE U
- 32 UNIVERSAL TYPE ALA
- 82 CONTEC
- 72 BORDA Z5
- 12 RIÑON
- 92 JB10
- 04 MINI CORNER

- 1 CPH
- 2 CPH10
- 3 CPH20

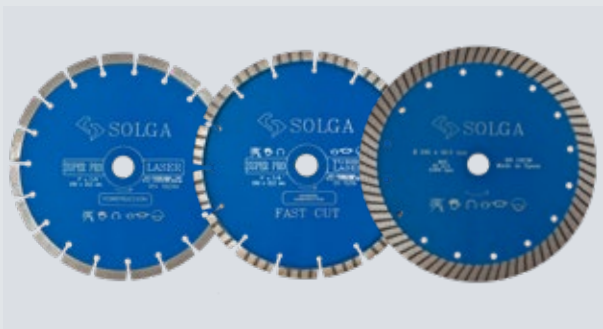
- 1 16
- 3 30/40
- 4 60/80
- 5 100/120



SURFACE PREPARATION



DRY CUTTING BLADES



11





BLADE CHARACTERISTICS

GEOMETRY & DESIGN OF THE SEGMENT

The choice of segment type determines whether the blade is designed to offer greater performance or finish in the cut. Solga provides different types of segments offering the best solution to your needs.



Láser

The straight segments welded by laser ensure high speed and performance



Turbo

The Turbo segment is suitable in applications where the quality of the cut matters, where a great result is needed without any chipping.



Turbo Láser

The Turbo Laser segment combines the high performance of the Laser segments with the high speed of the Turbo segments.



Continuous band

The continuous band segment provides great results on extra hard materials such as porcelain or hard ceramic which require high performances with no chipping.

EUROPEAN DESIGN & MANUFACTURING OF DIAMOND TOOLS

SOLGA DIAMANT after more than 60 years in the field of diamond tools, It has a wide range of table saw blades, from blades for low-requirement or professional applications to specific applications.

All our segmented blades are welded by laser technology, guaranteeing always the operator safety.

Our commercial technical team will give you support to choose the best option analyzing the work requirement, type of machine and material to be cut.

CUTTING OF MATERIAL ACCORDING TO THE COLOR RANGE

- Universal
- Hard materials
- Abrasive materials
- Marble
- Ceramic
- Extra Hard

- Casual for all materials
- Recommended for all materials

	Recommended	Casual
<i>Natural Stones</i>		
MARBLE	●	● ●
GRANITE	●	●
SLATE	●	●
BASALT	● ●	●
SANDSTONE	●	●
PUMICE	●	●
PORPHYRY, GNEISS, QUARTZITE	●	●
<i>Construction Materials</i>		
SILICIUSN TERRAZZO	●	●
CALCAREOUS TERRAZZO	● ●	
SILESTONE	●	● ●
CURED CALCAREOUS CONCRETE	●	●
CURED SILICIUS CONCRETE	●	●
ASPHALT	●	●
REINFORCED CONCRETE	●	●
PREFABRICADOS DE HORMIGÓN	●	●
BRICK / TILE/	● ●	●
REFRACTORY BRICK 30% ALUMINA	● ●	●
REFRACTORY BRICK 60% ALUMINA	●	● ●
<i>Compacted</i>		
SOFT CERAMICS-TILE	● ●	● ●
EXTRUDED GRES	●	● ● ●
KLINKER/FERROGRES	●	● ● ●
ULTRACOMPACTED	● ●	●
FIBERS	●	

To see the complete table visit our website or scan the IQ code

Use the QR code to directly access the digital format of SOLGA DIAMANT catalogs and see our products in detail.



OUR RANGE



SOLGA DIAMANT

Includes the rest of our range



BASIC LINE



Basic range aimed at non-intensive use. It offers great outcomes when its use alternates both hard and abrasive materials.

Available in Laser and Turbo



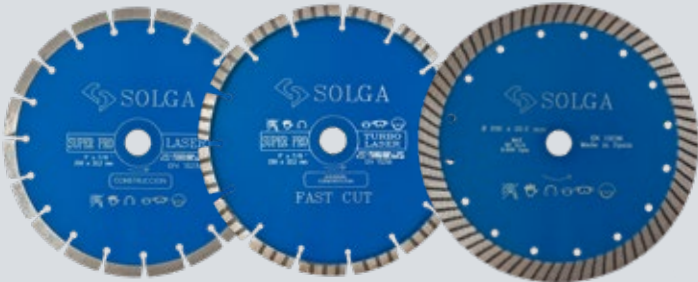
GOLD



The high quality (gold) range, is ideal for cutting all types of materials, including new sintered stone materials, extremely hard and with vitrified surfaces with excellent performance and cutting speed.

Available in Laser and Turbo

UNIVERSAL



The universal construction range is manufactured for the cutting of materials found on the construction site. Its alternative use on hard abrasive materials improves cutting quality and increases its performance. Great value-cost relation.

Available in Laser, Turbo, Turbo-Laser.

CERAMICS



Blade manufactured for cutting soft ceramics. Finished in continuous band for a very thin cut.

HARD MAT.



The hard materials professional range is designed and manufactured with a high concentration of diamond that gives it a great cutting power.

Available in Laser, Turbo, Turbo-Laser

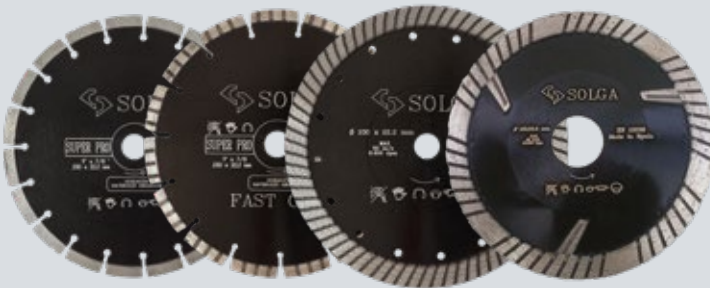
EXTRA HARD MAT.



Range of blades manufactured to cut very hard new generation materials. It is characterized by being thinner than the standard blades.

Available in extra thin, extra thin w / waves, Poker and porcelain

ABRASIVE MAT.



The professional range for abrasive materials is designed for cutting materials that wear most of the alloys. It supports high abrasivities providing high performance. Also available with protection on the steel body.

Available in Laser, Turbo, Laser Turbo and with protection segments

RESCUE



The multimaterial blade, is the best choice for cutting all type of materials in situations where the cut should not be fine or precise.

For example: rescues.

CURVED



The curve blade range, is specially designed for the opening of countertops. Available for multiple materials, marbles and hard materials

MARBLE



Blade manufactured by electrodeposition process. Recommended for cutting delicate materials such as marble, resins and fibers

DRY CUTTING BLADES

BASIC LINE

Basic range aimed at non-intensive use. It offers great outcomes when its use alternates both hard and abrasive materials. Available in laser and turbo.

BASIC LINE LASER LAR



Code	Ø	leng.	thick.	Height	b	n° seg.	c.hole	Notch
12803115	115	3,2	2,0	5	2	9	22,2	LAR
12803125	125	3,2	2,2	5	2	10	22,2	LAR
12803150	150	3,2	2,4	5	2	12	22,2	LAR
12803180	180	3,2	2,4	5	2	14	22,2	LAR
12803230	230	3,2	2,4	5	2	16	22,2	LAR

Code	Ø	leng.	thick.	Height	b	n° seg.	c.hole	Notch
12806115	115	3,2	2,0	8	2	9	22,2	LAR
12806230	230	3,2	2,4	8	2	16	22,2	LAR
128S6115*	115	3,2	2,0	8	2	9	22,2	LAR
128S6115*	230	3,2	2,4	8	2	16	22,2	LAR

*Sinterized

BASIC LINE Turbo



Code	Ø	leng.	thick.	Height	b	n° seg.	c.hole	Notch
10802115	115		2,0	8			22,2	TURBO
10802125	125		2,0	8			22,2	TURBO
10802150	150		2,3	8			22,2	TURBO
10802180	180		2,3	8			22,2	TURBO
10802230	230		2,5	8			22,2	TURBO

UNIVERSAL

The universal construction range is manufactured for the cutting of materials found on the construction site. Its alternative use on hard abrasive materials improves cutting quality and increases its performance. Great value-cost relation.

PROFESSIONAL CONSTRUCTION LASER LAR



Code	Ø	leng.	thick.	Height	b	n° seg.	c.hole	Notch
13703115	115	3,2	2,4	6	2	9	22,2	LAR
13703125	125	3,2	2,4	6	2	10	22,2	LAR
13703150	150	3,2	2,4	6	2	12	22,2	LAR
13703180	180	3,2	2,6	6	2	15	22,2	LAR
13703230	230	3,2	2,6	6	2	19	22,2	LAR
13703300	300	4,0	3,0	4	2	20	25,4	LAR
13703350	350	4,0	3,2	4	2	24	25,4	LAR





PROFESSIONAL CONSTRUCTION Turbo



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch
10704115	115		1,9	10			22,2	TURBO
10704125	125		1,9	10			22,2	TURBO
10704150	150		2,5	10			22,2	TURBO
10704180	180		2,3	10			22,2	TURBO
10704230	230		2,5	10			22,2	TURBO
10704300	300		3,0	8			25,4	TURBO
10704350	350		3,0	8			25,4	TURBO

PROFESSIONAL SUPERPRO COSTRUCTION LASER



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch
13756115	115	3,2	2,4	8	2	9	22,2	LAR
13756125	125	3,2	2,4	8	2	10	22,2	LAR
13756230	230	3,2	2,6	8	2	19	22,2	LAR
13706300	300	4,0	3,0	8	2	20	25,4	LAR
13706350	350	4,0	3,2	8	2	24	25,4	LAR

TURBO - LASER CONSTRUCTION MATERIALS TYPE CTC



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch
1377611510	115		2,2	8	2	9	22,2	LAR
1377312510	125		1,6	6	2	10	22,2	LAR
1377612510	125		2,2	8	2	10	22,2	LAR
1377618010	180		1,8	8	2	12	22,2	LAR
1377623010	230		2,4	8	2	16	22,2	LAR
1370623010	230		2,8	8	2	15	22,2	LAR

GOLD SERIES

The high quality (gold) range, is ideal for cutting all types of materials, including new sintered stone materials, extremely hard and with vitrified surfaces with excellent performance and cutting.

TURBO - LASER CONSTRUCTION MATERIALS GOLD SERIES



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch
13716230	230		2,4	8	2	16	22,2	LAR
10716230	230		2,6	10			22,2	TURBO



HARD MATERIALS

The hard materials professional range is designed and manufactured with a high concentration of diamond that gives it a great cutting power. Available in Laser, Turbo, Turbo-Laser.

PROFESSIONAL HARD MATERIALS LASER



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch
13303115	115	3,2	2,4	6	2	9	22,2	LAR
13303125	125	3,2	2,4	6	2	10	22,2	LAR
13303150	150	3,2	2,4	6	2	12	22,2	LAR
13303180	180	3,2	2,6	6	2	15	22,2	LAR
13303230	230	3,2	2,6	6	2	19	22,2	LAR
13303300	300	4,0	3,0	6	2	21	25,4	LAR
13303350	350	4,0	3,2	6	2	24	25,4	LAR

PROFESSIONAL HARD MATERIALS Turbo



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch
10304115	115		1,9	10			22,2	TURBO
10304125	125		1,9	10			22,2	TURBO
10304150	150		2,5	10			22,2	TURBO
10304180	180		2,5	10			22,2	TURBO
10304230	230		2,5	10			22,2	TURBO

SUPERPRO HARD MATERIALS LASER



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch
13356115	115	3,2	2,4	8	2	9	22,2	LAR
13356125	125	3,2	2,4	8	2	10	22,2	LAR
13356230	230	3,2	2,6	8	2	19	22,2	LAR
13306300	300	4,0	3,0	8	2	20		LAR
13306350	350	4,0	3,2	8	2	23		LAR

TURBO - LASER HARD MATERIALS TYPE DP

H8/2



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch
1337611510	115	3,2	2,4	8	2	9	22,2	TURBO
1337612510	125	3,2	2,6	8	2	10	22,2	TURBO
1337623010	230	3,2	2,6	8	2	16	22,2	TURBO

LASER HARD MATERIALS TYPE DP

H10/2



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch
13336230	230	3,2	3,0	10	2	15	22,2	LAR
13346230	230	3,2	3,0	8	2	15	22,2	LAR

* AVAILABLE BLADE SOUNDPROOFED Ø 230

DRY CUTTING BLADES





ABRASIVE MATERIALS

The professional range for abrasive materials is designed for cutting materials that wear most of the alloys. It supports high abrasivities providing high performance. Also available with protection on the steel body.



LASER HARD MATERIALS TYPE AP

Code	Ø	leng.	thick.	Height	b	n° seg.	c.hole	Notch
13403115	115	3,2	2,4	6	2	9	22,2	LAR
13403125	125	3,2	2,4	6	2	10	22,2	LAR
13403150	150	3,2	2,4	6	2	12	22,2	LAR
13403180	180	3,2	2,6	6	2	15	22,2	LAR
13403230	230	3,2	2,6	6	2	19	22,2	LAR
13406300	300	4,0	3,0	8	2	21	25,4	LAR
13406350	350	4,0	3,2	8	2	24	25,4	LAR



PRO ABRASIVE MATERIALS TURBO

Code	Ø	leng.	thick.	Height	b	n° seg.	c.hole	Notch
10404115	115		2,0	10			22,2	TURBO
10404125	125		2,0	8			22,2	TURBO
10404180	180		2,3	8			22,2	TURBO
10404230	230		2,5	10			22,2	TURBO
10404300	300		3,0	8			25,4	TURBO
10404350	350		3,0	8			25,4	TURBO



TURBO - LASER ABRASIVE MATERIALS

Code	Ø	leng.	thick.	Height	b	n° seg.	c.hole	Notch
1340623010	230	3,2	2,8	8	2	15	22,2	LAR

SPECIFIC APPLICATION BLADES

A wide variety of manufactured blades to perform specific work on defined materials.

MASTER BLADE REINFORCED CONCRETE FOR MACHINES WITH EXPLOSION ENGINE



Code	Ø	leng.	thick.	Height	b	n° seg.	c.hole	Notch
134A6230	230	45	3,2	8	2	13	22,2	LAR
134A6300	300	45	3,2	8	2	18	25,4	LAR
134A6350	350	45	3,4	8	2	22	25,4	LAR
134A6400	400	45	3,8	8	2	25	25,4	LAR



RING SAW PRO ABRASIVE MAT TYPE AP

Code	Ø	leng.	thick.	Height	b	n° seg.	c.hole	Notch
1340635001	350	40	4,2	8	2	18	288,0	AL-RINGSAW

RING SAW PRO HARD MAT TYPE G601M



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch
1330635002	350	40	4,2	8	2	18	288,0	AL-RINGSAW
1330640002	400	40	4,2	8	2	18	320,0	AL-RINGSAW
4MFR000001	K3600 TRACTION GUIDE WHEEL							

* The price does not include the guide wheel

CONTINUOUS BAND TILES

Blade manufactured for cutting soft ceramics. Finished in continuous band for a very thin cut.



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch
15700115	115		1,6	7			22,2	RIM
15700125	125		1,6	7			22,2	RIM

CONTINUOUS BAND GRESS/PORCELAIN

Range of blades manufactured to cut very hard new generation materials.



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch
15710115	115		1,6	7			22,2	RIM
15710125	125		1,6	7			22,2	RIM
15710230	230		2,0	7			22,2	RIM

EXTRA THIN HARD MATERIALS/PORCELAIN Turbo

Available in extra thin, extra thin w / waves, Poker and porcelain



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch
10303115	115		1,4	10			22,2	STD
10303125	125		1,4	10			22,2	STD
10303125LP	125		1,4	10			22,2	WAVE+P
10303115W	115		1,4	10			22,2	WAVE
10303125W	125		1,4	10			22,2	WAVE
10302115	115		1,2	10			22,2	POKER
10302125	125		1,2	10			22,2	POKER
10302230	230		2,0	10			22,2	POKER

TURBO GRES EXTR./KLINKER

Professional blade in turbo shape and protection tips for cutting specific abrasive materials like ferrogres, Klinker, extruded.



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch
104P6115	115		2,2	10			22,2	TURBO
104P6125	125		2,2	10			22,2	TURBO
104P6230	230		2,5	10			22,2	TURBO





ELECTROPLATED MARBLE

Blade manufactured by electrodeposition process. Recommended for cutting delicate materials such as marble, resins and fibers.



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch
18019115	115		3,0	3			22,2	ELECTR
18019125	125		3,0	3			22,2	ELECTR
18019150	150		3,0	3			22,2	ELECTR
18019180	180		3,0	3			22,2	ELECTR
18019230	230		3,0	3			22,2	ELECTR
18019350	350		3,5	3			25,4	ELECTR

MORTAR RAKING CONSTRUCTION

Mailing blade for general propose.



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch
53441115	115		6,4	6	2		22,2	LAR

V SHAPE 45º THICK.0

Repair cracks in stone materials, reopening them for resining.
Reopen expansion joints, when the executed joint is not enough.
Make expansion joints in the aubergine shape. Make grooves for fiber optic cabling.



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch
53442115	115		9,6	11	1,5	8	22,2	LAR
53442230	230		9,6	11	1,5	17	22,2	LAR
53442300	300		9,6	11	1,5	20	25,4	LAR

RESCUE BLADE BFL

The multimaterial blade, is the best choice for cutting all type of materials in situations where the cut should not be fine or precise.



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch
18019116	115		2,5	3			22,2	VACUUM
353H5230	230		2,8	3			22,2	VACUUM
353H5230E	230		2,8	3			22,2	VACUUM
353H5350	350		3,1	3			25,4	VACUUM
353H5400	400		3,3	3			25,4	VACUUM

RESCUE BLADE BFL. WITH BILATERAL PROTECTIONS



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch
353H5230E	230		2,8	3			22,2	VACUUM

DIAMOND CURVED BLADE

The curve blade range, is specially designed for the opening of countertops. Available for multiple materials, marbles and hard materials

ELECTROPLATED MARBLE. CONTINUOUS BAND

Curved blade for cutting marble. Electroplate system to guarantee a perfect cut on marble.



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch
18239115	115		1,5	4			22,2	ELECTR
18239125	125		1,5	4			22,2	ELECTR
18239150	150		2,2	4			22,2	ELECTR
18239180	180		2,2	4			22,2	ELECTR
18239230	230		2,2	4			22,2	ELECTR

HARD MATERIAL LASER. SEGMENTED

Curve blade with protection tips for cutting granite. The protección tips protect the steel body from the abrasivity of the material. The turbo shape gives a clean cut.



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch
17323125	125		4,2	7		14	22,2	BL
17323150	150		4,2	7		17	22,2	BL
17323180	180		4,2	7		20	22,2	BL

GRANITE TURBO WITH PROTECTION

Curved blade for cutting hard materials like granite, concrete, fast cutting speed and long life.



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch
17331125	125		2,5	7			22,2	TURBO
17332125	125		3,8	7			22,2	TURBO

GRANITE TURBO WITHOUT PROTECTION

Curve blade for cutting granite. The turbo shape gives a clean cut.



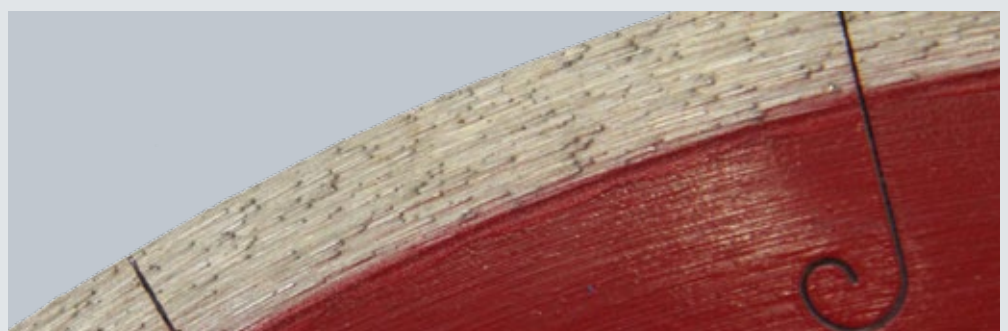
Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch
17333125	125		2,0	1			22,2	TURBO



TABLE SAW BLADES (WET CUTTING)



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BLADE CHARACTERISTICS

GEOMETRY OF THE STEEL CENTER

The selection of the steel center determinates whether the blade is designed to offer a greater performance or finish in the cut. SOLGA has different types of centers to offer the best solution to your needs.



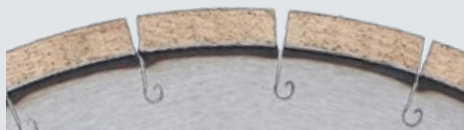
Opened notch

The opened notch favors the cutting speed due to the greater attack that occurs on the diamond and alloy, due to the gap between the segments.



Closed notch

Notch designed to increase the performance of the blades. Being smaller the separation between segments, favors its protection and therefore the wear is smaller.



Narrow notch LACC

Notch designed to achieve the best finish in the cut. As segments are close together, we avoid the jump between segments, therefore, chipping is reduced.



Continuous band BC (with / without laser cut)

Notch designed for cutting delicate materials where the level of finish must be very high.

EUROPEAN DESIGN & MANUFACTURING OF DIAMOND TOOLS

SOLGA DIAMANT after more than 60 years in the field of diamond tools, provides a wide range of table saw blades, from blades for low-requirement or professional applications to specific applications.

Our commercial-technical team will provide support to ensure the selection of the best option analyzing the work requirement, type of machine and material to be cut.

GEOMETRY & DESIGN OF THE SEGMENT

The geometry of the segments defines the different applications of the blade, performance or cutting speed.



LÁSER

H: 8 mm -10 mm: For materials where abrasion requires a straight surface to avoid an additional erosion.



TURBO LÁSER

H: 10mm -15mm: For materials with low abrasion, where the speed and ease are preferred since there is less lateral friction, improving the blade's advance.

SERIES

Our color identification system will make it easier to recognize the appropriate blade for each application. Availability from Ø300 to Ø900 (depending on series)

UNIVERSAL USE

Solga Diamant has a wide range of table saw blades, designed to cut alternately a huge variety of materials.

ORANGE

Basic series for non-intensive use. It offers a good performance if it alternates in both hard and abrasive materials.

BLUE

Professional series for cutting different materials. Its alternate use on abrasive and hard materials improves cutting quality and increases its performance.

SW

Series designed for cutting all types of material alternately, available with straight segment and turbo-laser. Excellent performance/cost relation.

SPECIAL APPLICATIONS

Solga Diamant has a wide range of wet cutting blades for specific materials, differentiated according to the color band.

RED BAND

Professional series for cutting hard materials. It has a high concentration of diamond that gives a great cutting power.

BLACK BAND

Professional series for cutting abrasive materials. Manufactured with a resistant alloy to avoid premature wear of the segment by abrasion.

YELLOW BAND

Professional series for calcareous materials. Manufactured with a soft alloy to facilitate the regeneration of diamond.

CONTINUOUS BAND

Professional series for delicate materials that require an excellent cut.

Use the QR code to directly access the digital format of SOLGA DIAMANT catalogs and see our products in detail.



OUR RANGE



APPLICATIONS

- RECOMENDED
- OCASIONAL

COMPACT MATERIALS AND FIBERS

	BC	BC	LACC	LAR
SOFT CERAMICS-TILE	●	●	●	
VITRIFIED CERAMICS	●	●	●	
GRES / PORCELAIN GRES	●	●	●	
EXTRUDED GRES	●	●	●	●
KLINKER / FERROGRES	●	●		●
POLYESTER / GLASS FIBER	●	●	●	
GLASS	●	●	●	



NATURAL STONES

	BC	BC	LACC	LAR	ALI	LAR	LA	LAR
ALABASTER	●	●					●	
MARBLE / CALCAREOUS	●	●	●				●	
GRANITE		●	●	●	●	●		●
SLATE		●	●	●	●	●	●	●
BASALT		●	●	●	●			●
CALCAREOUS SANDSTONE			●	●	●	●		●
SILICIUS SANDSTONE					●	●		●
PORPHYDE / PUMICE		●	●	●	●	●		●
CUARCITE / GNEIS		●	●	●	●	●		●
CORUNDUM		●	●		●	●		●



CONSTRUCTION

	LAR	ALI	LAR	LAR	LAR
ARTIFICIAL STONE	●	●		●	●
SILICIUSN TERRAZZO	●	●	●		●
CALCAREOUS TERRAZZO	●	●		●	●
SILESTONE	●	●	●		●
CURED CALCAREOUS CONCRETE	●	●	●		●
CURED SILICIUS CONCRETE	●	●	●		●
REINFORCED CONCRETE	●	●	●		●
CONCRETE: TILE, BLOCK, TUBE, VAULT	●	●	●		●
BRICK / CERAMIC TILE	●	●	●		●
TONGUE AND GROOVE	●	●	●		●
REFRACTORY BRICK 30% ALUMINA	●	●	●		●
REFRACTORY BRICK 60% ALUMINA	●	●	●		●





TABLE SAW BLADES WET CUTTING

UNIVERSAL USE

Solga Diamant has a wide range of table saw blades, designed to cut alternately a huge variety of materials.

BASIC LINE

Basic series for non-intensive use. It offers a good performance if it alternates in both hard and abrasive materials.



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch	thick. c
25213300	300	40	2,8	5	2		25,4	LAR	

TYPE SWIFT (STRAIGHT)

Professional series for cutting different materials. Its alternate use on abrasive and hard materials improves cutting quality and increases its performance.



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch	thick. c
25113300	300	40	2,8	5	2	21	25,4	LAR	

STANDARD - LAR

Professional series for cutting different materials. Its alternate use on abrasive and hard materials improves cutting quality and increases its performance.

LAR notch gives long life as the segments are closer.



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch	thick. c
23306300	300	40	2,8	8	2	20	25,4	LAR	1,8
23306350	350	40	3,0	8	2	23	25,4	LAR	2,2
23306400	400	40	3,0	8	2	27	25,4	LAR	2,5
23306450	450	40	3,6	8	2	32	25,4	LAR	2,8

STANDARD - BL

BL notch gives fast cutting as the segments are closer. Also for a very low power machines you will get a good result.



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch	thick. c
21306300	300	40	2,8	8	2	18	25,4	ALM	1,8
21306350	350	40	3,0	8	2	21	25,4	ALM	2,2
21306400	400	40	3,4	8	2	24	25,4	ALM	2,5
21306450	450	40	3,6	8	2	26	25,4	ALM	2,8
21306500	500	40	3,8	8	2	30	25,4	ALM	2,8
21306600	600	40	4,5	8	2	36	25,4	BL	3,5
21306650	660	40	4,5	8	2	38	25,4	BL	3,5
21306700	700	40	4,5	8	2	40	25,4	BL	3,5
21306800	800	40	4,5	8	2	46	25,4	BL	3,5
21306900	900	40	4,5	8	2	48	25,4	BL	3,5

TABLE SAW BLADES





SPECIAL APPLICATIONS

Solga Diamant has a wide range of wet cutting blades for specific materials, differentiated according to the color band.

ABRASIVE MATERIALS - LAR

Professional series for cutting abrasive materials. Manufactured with a resistant alloy to avoid premature wear of the segment by abrasion. Available in LAR or BL notch.



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch	thick. c
23506300	300	40	3,0	8	2	20	25,4	LAR	1,8
23506350	350	40	3,2	8	2	23	25,4	LAR	2,2
23506400	400	40	3,4	8	2	27	25,4	LAR	2,5

ABRASIVE MATERIALS - BL



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch	thick. c
21506300	300	40	3,0	8	2	18	25,4	ALM	1,8
21506350	350	40	3,2	8	2	21	25,4	ALM	2,2
21506400	400	40	3,4	8	2	24	25,4	ALM	2,5

RIM SOFT CERAMICS

Professional series for delicate materials that require an excellent cut. Special for soft ceramic.



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch	thick. c
20000180	180		1,6	7			25,4	RIM	
20000200	200		1,6	7			25,4	RIM	
20000231	230		1,6	7			25,4	RIM	
20000250	250		1,6	7			25,4	RIM	
20000300	300		2,0	7			25,4	RIM	
20000350	350		2,0	7			25,4	RIM	

RIM HARD CERAMICS

Professional series for a clean cut in difficult materials. Special for hard ceramics.



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch	thick. c
20010180	180		1,6	7			25,4	RIM	
20010200	200		1,6	7			25,4	RIM	
20010231	230		1,6	7			25,4	RIM	
20010250	250		1,6	7			25,4	RIM	
20010300	300		2,0	7			25,4	RIM	
20010350	350		2,0	7			25,4	RIM	

STONEWARE / HARD CERAMIC

Professional series for long life. Special for hard ceramics.



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch	thick. c
27002300	300	40	2,6	6	2	22	25,4	LACC	1,6
27002350	350	40	2,6	6	2	26	25,4	LACC	1,6

GLASS (420)

Professional series for delicate materials that require an excellent cut. Special for glass.




Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch	thick. c
30002300	300	40	2,8	6	2	22	25,4	CRISTAL	1,8
30002350	350	40	2,8	6	2	26	25,4	CRISTAL	2,2

TERRAZZO

Professional series Terrazo. Series 805 for table saw and serie 7005 for bridge saw.

TERRAZZO CUTTING. LASER (805)



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch	thick. c
31200303	300	40	3,2	6	2	21	25,4	LAR	1,8
31200350	350	40	3,2	6	2	24	25,4	LAR	2,2

TERRAZZO CUTTING. LASER (7005)





Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch	thick. c
31230303	300	40	3,2	6	2	21	60,0	LAR	1,8
31230350	350	40	3,2	6	2	24	60,0	LAR	2,2

BLOCK CUTTER BLADES



Professional series for block cutter machines. Type 481 for abrasive materials and 483 for universal purpose. The special segment disposition gives a fast cutting with long life. Designed for low and medium power machines.

BLOCK CUTTER BLADE (CONCRETE BLOCK LIKE SILKA) 481 ABRASIVES



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch	thick. c
23026600	600	40	4,5	8	2	30	60,0	ALM	3,5
23026650	650	40	4,5	8	2	33	60,0	ALM	3,5

BLOCK CUTTER BLADES (CONCRETE BLOCKS) 483 UNIVERSAL



Code	Ø	leng.	thick.	Height	b	nº seg.	c.hole	Notch	thick. c
23036600	600	40	4,5	8	2	30	60,0	ALM	3,5
23036650	650	40	4,5	8	2	33	60,0	ALM	3,5



MACHINES

DRILLING MOTOR

Code	Model	Power	Max Ø Concr.	Connection	Voltage	Notes	Weight
70320002	SDM17	2.000 W	202/162 MM	1 1/4" + G 1/2"	230 V	WET/ DRY	5,9 KG
70320001	SDM20	2.000 W	202/162 MM	1 1/4"	230 V	WET	5,9 KG
70324001	SDM32R	3.200 W	352 MM	1 1/4"	230 V	WET	11,9 KG
70337001	SDM38	3.700 W	400 MM	1 1/4"	230 V	WET	
70352001	SDM52	5.200 W	500 MM	1 1/4"	380 V	WET	22,9 KG



DRILL STAND

Code	Model	Max Ø	Useful Length	Size Plate	Weight	
70318014	SDR150	150 MM	500 MM	240X340 MM	10 KG	
70323300	SDR220	220 MM	500 MM	240X340 MM	10 KG	
70333197	SDR350	350 MM	600 MM	260X460 MM	20 KG	
70333198	SDR350 2 M	350 MM	1500 MM	260X460 MM		
70333200	SPACER 350/450	SDR350 SPACER TO UP Ø450				
70333202	SDR600	600 MM	600 MM	300X560 MM	26 KG	
70333205	SDR600 2M	600 MM	1500 MM	300X560 MM		
70350000	SDR900	900 MM	1500 MM	256X435 MM	24 KG	



DRILLING MACHINE ACCESORIES

Code	Description
70300002	QUICK RELEASE RING DRILL BIT 1"1/4
70300005	FAST FIXING SYSTEM SCREW 15 L:250 M12
70300006	FAST FIXING SYSTEM NUT
70300007	METAL EXPANSION PLUG .M12 INT D15 MEDIUM
70300010	VACUUM PLATE DRILLING MACHINE
70300011	VACUUM PUMP DRILLING MACHINE
70300012	WATER COLLECTOR DRILLING MACHINE
70300017	SOLGA BAZOOKA
70300018	EXTRACTION KIT F/BLADE Ø800
70300019	EXTRACTION KIT F/BLADE Ø1200

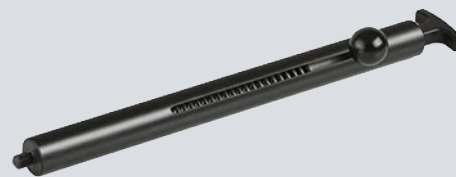


TABLE SAW

Code	Model	Power	Voltage	Ø	Max Length	Weight
70101060	DHO-200	2.200 W	220 V	200 MM	61,5 CM	29 KG
70101000	DHO-200	2.200 W	220 V	200 MM	100 CM	38 KG
70106000	DHO-350	2.200 W	220 V	350 MM	64 CM	64 KG
70106000T	DHO-350	2.900 W	380V	350 MM	64 CM	64 KG
70101200T	DHO-350	2.900 W	380V	350 MM	120 CM	114 KG
70101500T	DHO-350	2.900 W	380V	350 MM	153 CM	126 KG





FLOOR SAW

Code	Model	Power	Max Ø	Weight	Motor
70103001	MJD300	5,5 CV	300 MM	78 KG	HONDA GX160
70103500	MJD350	13 CV	350 MM	110 KG	HONDA GX390
70107000	MJD350/400	13 CV	400 MM	110 KG	HONDA GX390
70107500	MJD450	13 CV	450 MM	121 KG	HONDA GX390
70108001	MJD450/500	13 CV	500 MM	121 KG	HONDA GX390
70109001	MJD600	20 CV	600 MM	200 KG	HONDA GX620



HAND HELD

Code	Description
70100210	WALL SAW EL. MANUAL TS40 ANNA 3.7KW
70100230	WALL SAW EL.MANUAL ANNA RINGTR40 3.7KW
70100236	GUIDE ROLLER POS.18 ANNA TR40 RING
70100190	WALL SAW EL.MANUAL HS40 EMMA 3,7KW
70100211	FREQUENCY CONVERTER FU6 U ANNA/EMMA



WALL SAW

Code	Description
70100200	WALL SAW EL. H.F. WS75H FRIDA 11KW
70100205	FREQUENCY CONVERTER FU15V WS75H
701002001B	BLADEGUARD Ø750 WS75H FLUSH
701002001A	BLADEGUARD Ø750 WS75H WITH VISOR
70100201	BLADEGUARD Ø950 WS75H FLUSH F/BLADE 0930
70100201C	BLADEGUARD Ø950 WS75H WITH VISOR F/B 0930





SEGMENTS

SEGMENTS FOR SMALL GRANITE BLADES

Code	Ø	leng.	thick.	thick.2	Height	b
	300	40	2,9	3,2	13	2
	350	40	2,9	3,2	13	2
	400	40	3,1	3,4	13	2
	450	40	3,5	3,8	13	2
	500	40	3,7	4,0	13	2

* TYPES: GA, GASOFT2

SEGMENTS FOR MEDIUM AND BIG H2O GRANITE BLADES

Code	Ø	leng.	thick.	thick.2	Height	b
393-8060	600	40	4,2	4,6	19	1
393-8070	700	40	5,3	5,7	19	1
393-8080	800	40	5,7	6,3	19	1
393-8090	900	40	6,5	7,5	19	1
393-8090	900	24	6,5	7,5	19	1
393-8100	1000	24	7,0	8,0	19	1
393-8110	1100	24	7,5	8,5	19	1
393-8120	1200	24	7,5	8,5	19	1
393-8130	1300	24	8,0	9,0	19	1
393-8300	1400	24	8,0	9,0	19	1
393-8300	1600	24	8,5	9,5	19	1
393-8300	1800	24	9,0	10,0	19	1
393-8300	2000	24	9,5	10,5	19	1
393-8300	2200	24	10,0	11,0	19	1
393-8300	2500	24	11,0	12,0	19	1
393-8300	3000	24	11,0	12,0	19	1
393-8300	3500	24	12,0	13,0	19	1

* MEDIUM GRANITE (SINCE Ø900) : TYPES G601, G601M, GA2M

* BIG GRANITE (ffrom Ø1000 included) : TYPE GB, GD, LOBIS

SEGMENTS FOR BIG H3O GRANITE BLADES

Code	Ø	leng.	thick.	thick.2	Height	b
	1600	24	8,5	9,5	29	1
	1800	24	9,0	10,0	29	1
	2000	24	9,5	10,5	29	1
	2200	24	10,0	11,0	29	1
	2500	24	11,0	12,0	29	1
	3000	24	11,0	12,0	29	1
	3500	24	12,0	13,0	29	1

* BIG GRANITE : TYPES GB, GD, LOBIS



SEGMENTS FOR GRANITE MULTIBLADE

Code	Ø	leng.	thick.	thick.2	Height	b
1000		24	6,0	7,0	15	
1200		24	6,0	7,0	15	
1400		24	6,5	7,5	15	
1600		24	7,5	8,5	15	
1700		24	8,0	9,0	15	
1800		24	8,0	9,0	15	

* MULTIBLADE : TYPES E y F

SEGMENTS FOR SMALL MARBLE BLADES

Code	Ø	leng.	thick.	thick.2	Height	b
300		40	2,8		7	1
350		40	3,2		7	1
400		40	3,4		7	1
450		40	3,6		7	1
500		40	3,8		7	1

* SMALL MARBLE: TYPES BWP, XCPM

SEGMENTS FOR MEDIUM MARBLE BLADES

Code	Ø	leng.	thick.	thick.2	Height	b
600		40	4,5		7	1
700		40	6,0		7	1
800		40	6,0		7	1
900		40	7,0		7	1

* MEDIUM MARBLE : TYPE BWM

SEGMENTS FOR BIG MARBLE BLADES

Code	Ø	leng.	thick.	thick.2	Height	b
1000		24	7,5		7	1
1200		24	8,5		7	1
1300		24	9,0		7	1
1800		24	12,0		7	1
2000		24	12,0		7	1
2500		24	13,0		7	1

* BIG MARBLE : TYPE MARBLE-N

GANGSAW SEGMENTS

Code	Ø	leng.	thick.	thick.2	Height	b
Todas		20	4,5	5,0	7	1
Todas		20	4,7	5,2	7	1
Todas		20	5,0	5,5	7	1



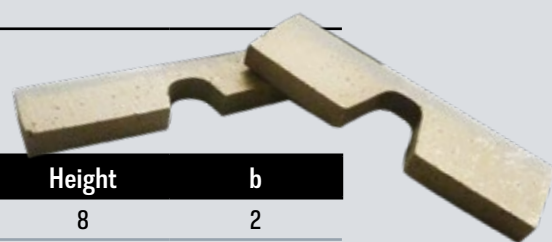
Todas	20	5,2	5,7	7	1
Todas	20	5,7	6,2	7	1
Todas	50-30	5,2	5,7	7	1

* GANG SAW : TYPES C, P y J1

SEGMENTS FOR WALL SAW BLADE SHAPE U

Code	Ø	leng.	thick.	thick.2	Height	b
	600-900	50	4,8		8	2
	More than 900	50	4,5		8	2
	600-900	50	4,8		13	2
	More than 900	50	4,5		13	2

* WALL SAW SHAPE U: TYPE S8019



DRILL BIT SEGMENTS

DRILL BIT SEGMENTS (ABRASIVE / HIGH POWER MACHINES) - TYPE Nº 1 Y N2

Code	Ø	leng.	thick.	thick.2	Height	b
49410001	25-42	15	3,0		8	2
49410002	52	24	3,5		8	2
49410003	62-72	24	3,5		8	2
49410004	82-102	24	3,5		8	2
49410005	112-132	24	3,5		8	2
49410006	142-202	24	4,0		8	2
49410007	225-252	24	4,5		8	2
49410008	275-352	24	5,0		8	2
49410009	Ø > 352	20	5,0		8	2

DRILL BIT SEGMENTS (MEDIUM AND HARD CONCRETE) - TYPE Nº 3 Y N6

Code	Ø	leng.	thick.	thick.2	Height	b
49460001	25-42	15	3,0		8	2
49460002	52	24	3,5		8	2
49460003	62-82	24	3,5		8	2
49460004	92-112	24	3,5		8	2
49460005	122-142	24	3,5		8	2
49460006	152-202	24	4,0		8	2
49460007	225-272	24	4,5		8	2
49460008	300-352	24	5,0		8	2
49460009	Ø > 352	20	5,0		8	2



DRILL BIT SEGMENTS (MEDIUM AND HARD CONCRETE) - TYPE Nº 3 Y N6 TURBO

Code	Ø	leng.	thick.	thick.2	Height	b
494J0002	52	24	3,5		10	2
494J0003	62-82	24	3,5		10	2
494J0004	92-112	24	3,5		10	2
494J0005	122-142	24	3,5		10	2
494J0006	152-202	24	4,0		10	2



494J0007	225-272	24	4,5		10	2
494J0008	300-352	24	5,0		10	2
494J0009	∅ > 352	24	5,0		10	2

DRILL BIT SEGMENTS ELITE 6S

Code	∅	leng.	thick.	thick.2	Height	b
		24	3,5		10	2
		24	4,0		10	2
		24	4,5		10	2
		24	5,0		10	2



RING SEGMENTS FOR CORE BITS

RING SEGMENTS FOR CORE BITS CONCRETE (ROOF)

Code	∅	leng.	thick.	thick.2	Height	b
49700012	12		2,5			
49700014	14		2,5			
49700016	16		2,5			
49700018	18		2,5			
49700020	20		2,5			
49700022	22		2,5			
49700024	24		2,5			
49700025	25		2,5			
49700028	28		2,5			
49700030	30		2,5			
49700032	32		2,5			
49700035	35		2,5			
49700042	42		2,5			
49700052	52		2,5			

RING SEGMENTS FOR CORE BITS GRANITE (ROOF)

Code	∅	leng.	thick.	thick.2	Height	b
49800012	12		2,0		8	2
49800014	14		2,0		8	2
49800016	16		2,0		8	2
49800018	18		2,0		8	2
49800020	20		2,0		8	2
49800022	22		2,0		8	2
49800025	24		2,0		8	2
49800028	25		2,0		8	2
49800030	28		2,0		8	2
49800032	30		2,0		8	2
49800035	32		2,0		8	2
49800042	42		2,0		8	2

SEGMENTS FOR GRINDING SHOES CPH, CPH10 Y CPH20

Code	∅	leng.	thick.	thick.2	Height	b
		40	10,0	10,0	8	2

DRILL BITS



WHAT DO YOU OBSERVE?	POSSIBLE CAUSE	SOLUCIÓN
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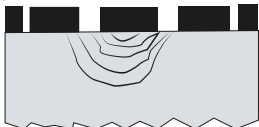
RELEASE OF SEGMENT



- Lack of cooling, decrease thickness
- Excessive heat
- Drill Jam
- Loose rods

- Increase cooling
- Check that the anchorage of the drill bit is correctly placed and without damage

SEGMENT WITH DARK COLOR



- Lack of cooling
- Excessive heat
- Excessive speed

- Increase cooling
- Slow down rotation speed
- Switch to a mode of cyclic drilling

SEGMENT INCLINATION (OUTSIDE / INSIDE)



- Abrupt start
- Work at high power with the polished segment
- Choose a segment too hard

- Drill softly If possible, move the opening part. If the movement is not possible, set the speed lower rotation
- Put the drill bit as slow and smooth as possible

CRACKS IN THE STEEL BODY



- Unequal wear out of the body of the nucleus as a result of core runout, lateral loads, impact
- Overload during drilling
- Drill Jam

- Change to a mode of smoother drilling or cyclic
- Stop the drill and unblock the drill bit

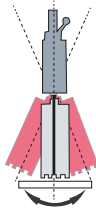
SEGMENT TOTAL OR PARTIALLY BROKEN



- Wrong fixation of the stand
- Loose rods

- Set the stand

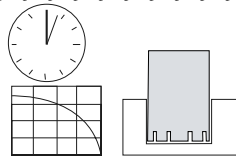
FRICION AT THE TUBE



- Thickness loss
- Loose rod

- Set the stand
- Cut

LOW CUTTING SPEED



- Satin Segment

- Lower peripheral speed

EXCESSIVE WEAR



- Lack of cooling
- Low peripheral speed

- Increase cooling
- Upload peripheral speed

BLADES

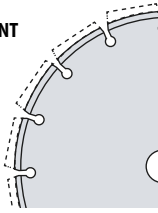


WHAT DO YOU OBSERVE?

POSSIBLE CAUSE

SOLUTION

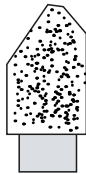
FAST WEAR OUT OF SEGMENT



- Unsuitable type of the blade
- Low cooling or peripheral speed

- Change type and quality of the blade
- Increase cooling and / or peripheral speed and feed

SIDE WEAR OUT OF SEGMENT



- The blade has not worked vertically and has made curved or arched cuts.
- The blade has roughed.
- The blade does not have the plate area clean or well placed

- Use suitable blade for the application
- Clean plate and blade

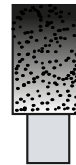
SATIN SEGMENTS AND CLOSED



- Unsuitable type of the blade for that material
- Excessive speed

- Open the diamond using the blade in a abrasive material.
- Decrease speed

DARK COLOR SEGMENTS



- Lack of cooling
- Unsuitable typology of the blade
- High peripheral speed

- Cooling increase
- Change the blade type
- Decrease peripheral speed
- Decrease feed rate

WEAR OUT OF THE BASE OF THE SEGMENT



- Very abrasive material
- Unsuitable type of blade
- Excessive cutting depth and wrong refrigeration

- Change the type of blade
- Increase cooling

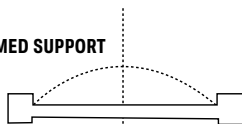
CRACKS IN THE STEEL BODY



- Lack of cooling
- Shaft not centered
- Support with lack of tension

- Change type of blade
- Check the shafts
- Increase cooling

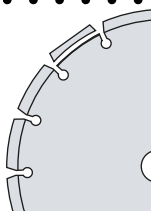
BLADE WITH DEFORMED SUPPORT OR DISTENSIONED



- The blade has fallen from the machine or another accident has occurred
- Reheating

- Use the tool correctly
- Increase cooling

BROKEN SEGMENT



- Support deformation
- Reheating
- Hooked

- Increase cooling
- Remove loose element from the cut

PROBLEM-SOLUTION

WIRE



WHAT DO YOU OBSERVE?

POSSIBLE CAUSE

SOLUTION

BEADS DISPLACEMENT



- High tension of the wire
- Very little cooling
- Wire slides on the pulley matrix due to lack of adhesion
- Sudden wire lock

- Reduce forward speed
- Increase cooling
- Increase tension
- Use wedges to avoid closing of the cutting area

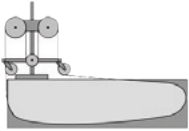
EXCESSIVE CONICITY



- Using of a suitable bead
- Increase peripheral speed and reduce forward speed
- Increase cooling Increase the profile speed
- Switch to a cyclic drilling mode

- Abrasive Materials
- Small cutting surface
- Low / incorrect cooling
- Low peripheral speed

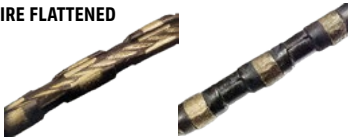
THE WIRE DOES NOT START THE CUT



- High tension of the wire
- Very pronounced corners
- Differences in diameter along the wire
- High contact arc

- Reduce forward speed
- Round corners
- Only use threads with \varnothing with differences not exceeding 0.2mm
- Use guide pulleys

WIRE FLATTENED



- Insufficient number of turns per meter
- Excessive tension in wire
- Low cooling
- Insufficient distance between the pulley and the cutting area

- Increase the number of twist/ turns
- Reduce forward speed
- Increase cooling
- Increase distance

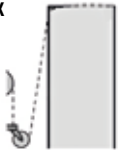
THE WIRE DOES NOT CUT OR CUTS VERY SLOW



- Very hard materials
- Very large cutting surface
- High peripheral speed
- Highly reinforced concrete

- Reopen with abrasive materials and / or reduce peripheral speed
- Reduce cutting surface using guide pulleys
- Reduce peripheral speed
- Use appropriate alloy

WIRE BREAK



- High tension at the wire
- Very pronounced corners
- Pronounced arc at the entrance of the cut
- Strong vibrations at the connection

- Reduce forward speed
- Round corners
- Increase cooling
- Check balance and wear of the pulleys

CONNECTOR AREA LOSE



- Incorrect pressing or improper splicing
- High tension of the wire
- Very pronounced corners
- Pronounced arch at the cutting entrance

- Use the correct press and connector
- Reduce forward speed
- Round corners
- Use guide pulleys

DIAMOND IN BEAD



(A) EXPOSED

(B) SATIN

PERIPHERAL SPEED

Increase the speed

Bajar velocidad

COOLING

Lack of water

Too much water

ADVANCE OF THE MACHINE

Increase speed

Reduce speed

2020 / 2021 EXPOSITORES / DISPLAYS



Vinilo / Vinyl
Dimensiones / Dimensions
50x40x17 cm



Vinilo Coronitas / Cup Wheel Vinyl
Dimensiones / Dimensions
50x40x17 cm

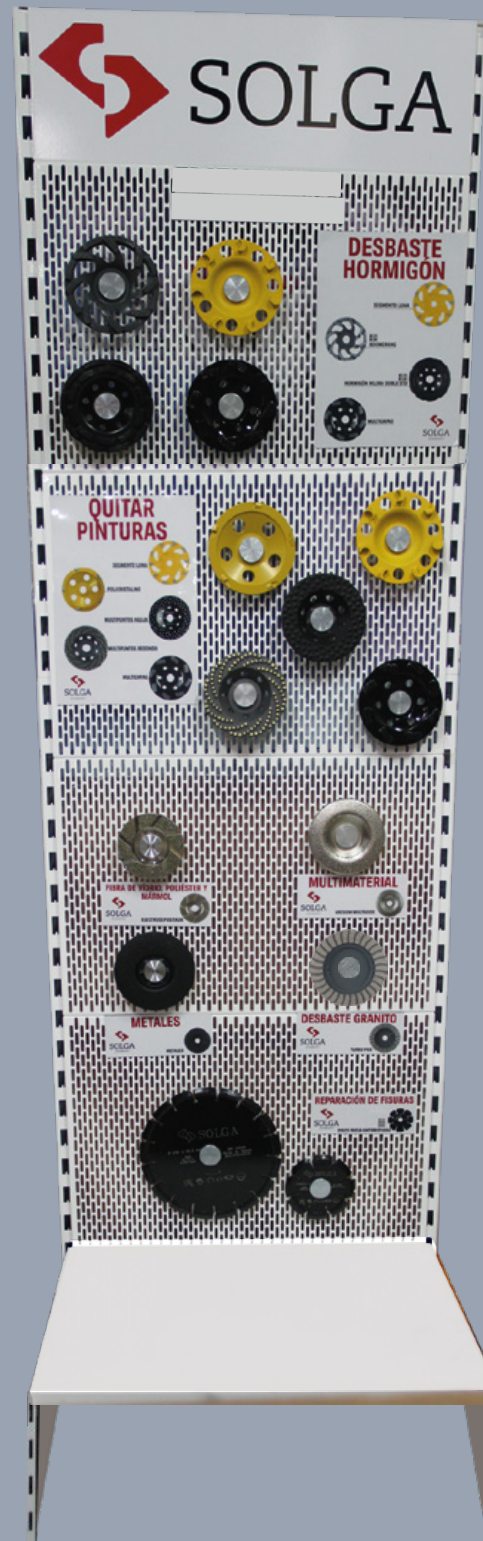


Brocas / Drill Bits
Dimensiones / Dimensions
195x54,4x60 cm

2020 / 2021 EXPOSITORES / DISPLAYS



Giratorio / Rotary
Dimensiones / Dimensions
50x40x17 cm



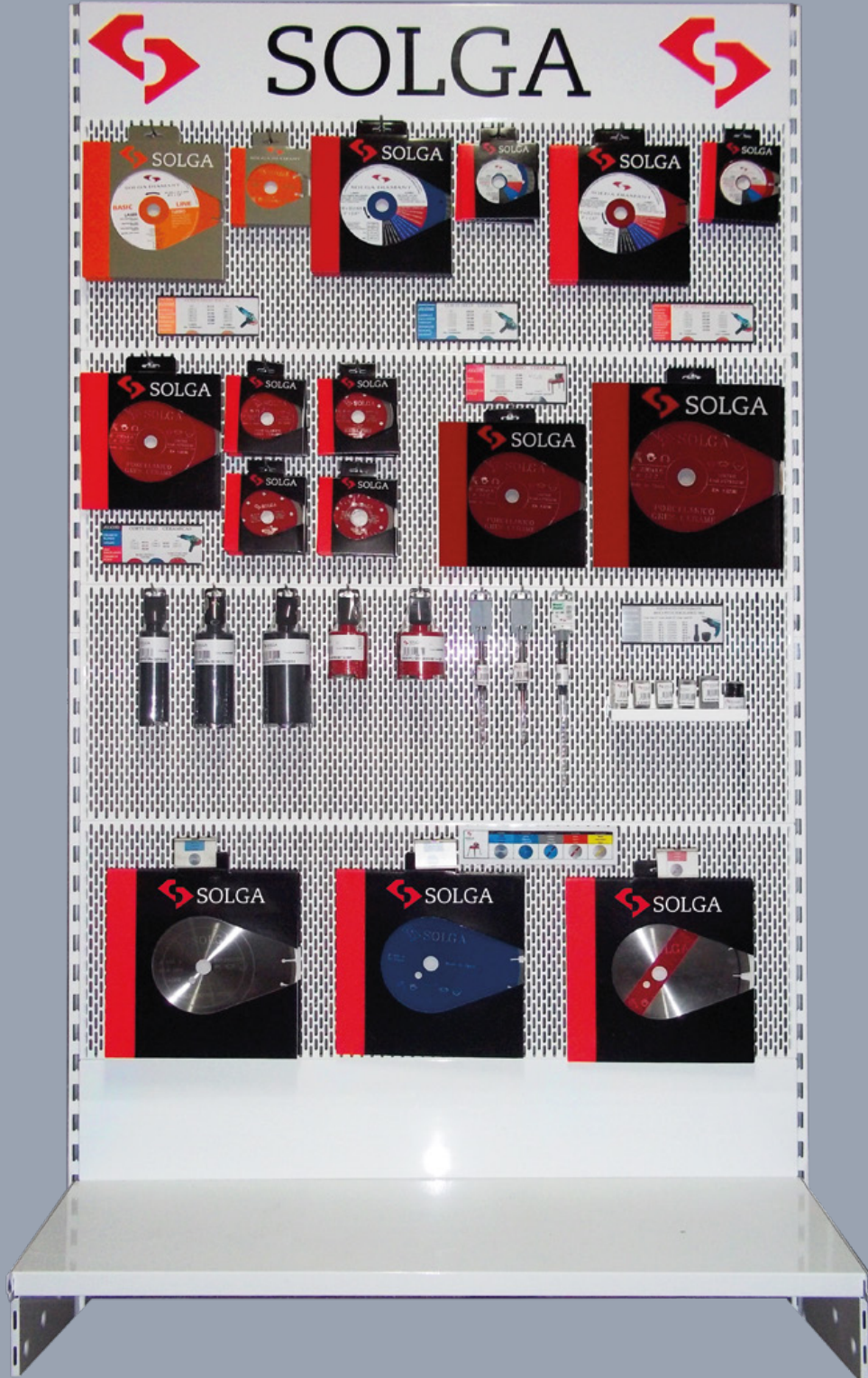
Panel Coronitas / Showcase Cabinet
Dimensiones / Dimensions
220x60x40 cm



Armario Vitrina / Showcase Cabinet
Dimensiones / Dimensions
55x34x31 cm

**SÓLO EN MERCADOS DE HABLA HISPANA
ONLY IN HISPANIC-SPEAKING MARKETS**

2020 / 2021 EXPOSITORES / DISPLAYS



Expositor Grande / Big Display

Dimensiones / Dimensions

220x120x40 cm

2020 / 2021 EXPOSITORES / DISPLAYS



Expositor Grande Bandeja / Big Plate Display

Dimensiones / Dimensions

220x120x40 cm



SOLGA

DIAMANT



/solgadiamant

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Certifications



Membership

International



Spain



Mexico



