

DIAMOND WIRE FOR NATURAL STONE



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DIAMOND WIRE

SOLGA DIAMANT, leader in the manufacture of diamond wires, continuously develops new products that adapt to the needs of our customers, focusing our efforts on the manufacture of high quality wires, which guarantee maximum safety in its use.

BEADS DESIGN

HIP BEADS



Beads manufactured using the HIP sintering system, offer greater diamond retention (95% retention vs 50-60% of other sintering systems). The sintered HIP type consists of applying gas pressure in all directions. This process provides beads that adapt to different materials offering high cutting speeds and high performance.

FS BEADS



Diamond beads manufactured by Free Sintering system provide high cutting speeds, always guaranteeing uniform cuts and avoiding satining issues in materials without abrasiveness of high hardness.

VACUUM BEADS



Beads manufactured by Vacuum system, have the diamond inserted directly on the metal support. This manufacturing process provides an easy-to-use wire since the turning speeds does not affect the diamond renewal. By not losing diameter during its use, it allows to replace the wear wire at half cut in a simple and fast way.

EUROPEAN DESIGN AND MANUFACTURING OF DIAMOND TOOLS

Currently the diamond wire is an essential tool for extraction and cut of natural stone.

Solga Diamant offers more than 20 years of experience manufacturing diamond wires with rubber, plastic and springs, being a worldwide reference in the production of wires for granite quarry coated with rubber. Our sales technical team will advise to choose the best wire for each occasion, analyzing the requirement of each job, type of machine and material to be cut.

MARBLE AND SANDSTONE QUARRY



DESCRIPTION

We have a wide variety of alloys and types of beads for different marbles, sandstones and limestones having as standard 28 p/m. We can adjust the number of beads per meter to the requirements of each customer. It is necessary to replace the components of the wire several times except for the beads in order to take advantage of the entire diamond on them. Both the complete wires and beads are supplied rectified to facilitate quarrying.



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





GRANITE AND QUARZITE QUARRY



DESCRIPTION

For the extraction of granites and quartzites we manufacture rubber coated wires to ensure maximum durability and safety.

Our own formulation rubber gives protection to the steel thread against fatigue and corrosion, achieving high adhesion between the thread, beads and coating.

We have different alloys suitable for different granites and quartzites, as well as alloys adapted to the needs of our customers, higher performance or faster cutting speed. We have wires with 11.5 or 12.5 mm diameter beads. Our wires are supplied rectified to facilitate the cut from the first use.



WORKSHOP



DESCRIPTION

The technical plastics used ensure the fixing of the beads to the thread and protecting it, obtaining a precise cut, without ripples or marks in the stone.

The rectified HIP or free sintering beads guarantee an easy use obtaining high quality results, giving good cutting speeds and high performances. The plasticized diamond wire is suitable for:

- Block squaring
- Plate cutting
- Thickness cutting
- Molded

We have matrices that allow us different configurations, both different diameters as in the number of beads per meter.



TOOLS



1. CORE DRILLS



5. DIAMOND BLADES FOR NATURAL AND ARTIFICIAL STONES



10. SURFACE PREPARATION



2. FLOOR SAW BLADES



6. DIAMOND WIRE FOR NATURAL STONE



11. DRY CUTTING BLADES



3. WALL SAW AND PRECAST DIAMOND BLADES



7. POLISHING TOOLS FOR NATURAL STONE



12. TABLE SAW BLADES (WET CUTTING)



4. DIAMOND WIRE FOR CONSTRUCTION



8. ROUGHING CUTTERS FOR MARBLE AND GRANITE



13. GRINDING RINGS FOR CALIBRATING



9. GANG SAW FOR MARBLE AND SANDSTONE

AUTHORIZED SELLING POINT



FACTORY / ADMINISTRATION
Solga Diamant, S.L.
Avda. del Compositor Bizet, 49
08191 Rubí - Barcelona - Spain
Tel: +34 (93) - 588 46 26

www.solgadiamant.com

FACTORY / MAIN WAREHOUSE /
COMMERCIAL DEPARTMENT
Solga, S.L.
Avda. del Compositor Bach, 48 08191
Rubí - Barcelona - Spain
Tel: +34 (93) - 588 44 00
Fax: +34 (93) - 697 24 42
info@solgadiamant.com

MEXICO, WAREHOUSE /
COMERCIAL DEPARTMENT
Solgamex, S. de R.L. de C.V.
Tel: +52 (55) 3420-1611
mexico@solgadiamant.com

