

14



**SOLGA**  
DIAMANT

# DIAMOND BLADES FOR PRESTRESSED CONCRETE





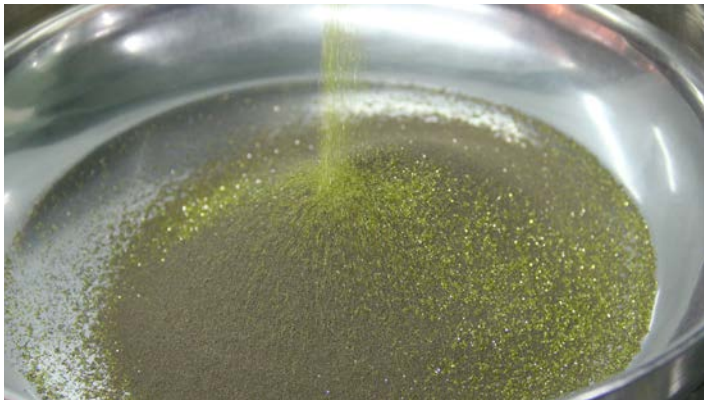
# BLADES FOR PRESTRESSED



**SOLGA DIAMANT** has a specific line for the prestressed concrete industry, being an active member of the IPHA (International Prestressed Hollowcore Association). Our long experience and our strong link to the prestressed industry allows us to offer you the best solutions for your production, being able to respond to all your needs when cutting hollowcores and concrete beams.

## HIGH QUALITY DIAMONDS

Strong crystals with high durability that withstand high temperatures. Octahedral shape for high speed and good performance. They have high impact resistance against steel and hard aggregates.

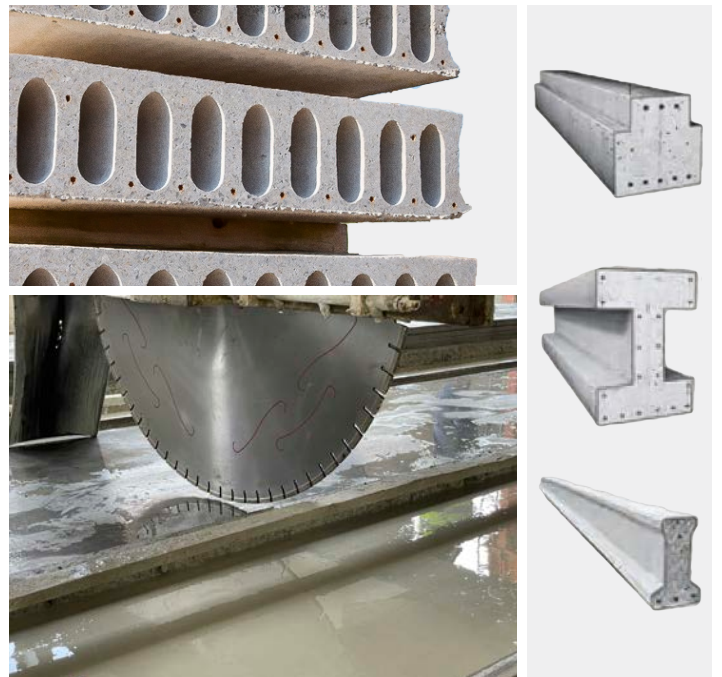


## STEEL CORE SOLUTIONS

Blades for prestressed must have a thicker steel core and thicker segments. A more robust steel core is used to ensure the tension and flatness of the blade throughout the work, due to the fatigue received during the cutting process. Wider segments are used to prevent the prestressed slabs from pinching the blade at the bending. We can produce with standard steel core, Soundproof steel core or silent steel core to deduce the noise level.

## HOLLOWCORE AND CONCRETE BEAMS

We have a complete range of blades for prestressed concrete for cutting any thickness, both for hollowcores and for concrete beams. We recommend the best alloy after analyzing in our laboratory a sample of concrete to determinate the type of arid used



## VISIT US!



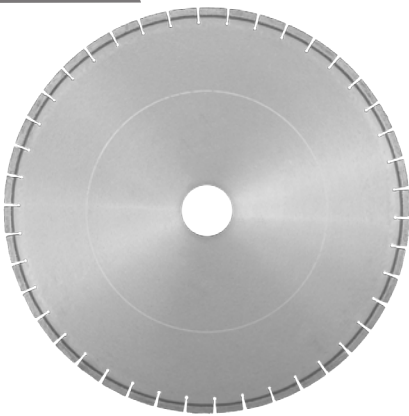
**SOLGA DIAMANT** as a European manufacturer of diamond tools, offers a complete range for cutting, drilling and **surface treatment for the construction and natural stone sectors.**

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

Our sales team and our network of distributors will accompany you at all times in selecting both the tool and working parameters that will allow you to obtain the best results.



**STANDARD**



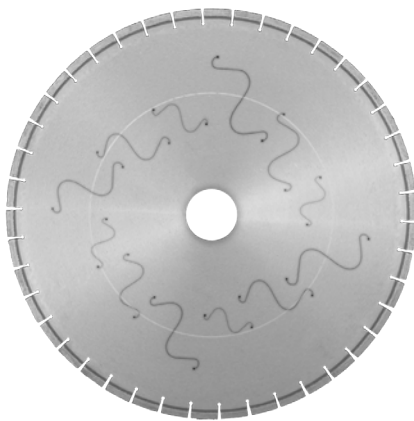
**STANDARD STEEL CORE**

**Features:** Blades for cutting prestressed concrete with a thicker standard plate. Available in different bonds according to the concrete aggregates.

**Noise Level:** Standard around 100-110 dB.

REF	Ø	Shaft	Width	High
353_7600	600	60	6	15
353_7700	700	80	6	15
353_7800	800	80	6	15
353_7900	900	80	6	15
353_5100	1000	100	8	10
353_5110	1100	100	8	10
353_5120	1200	100	8	10
353_5130	1300	120	9	10
353_5145	1450	120	9	10

**SOUNDPROOF**



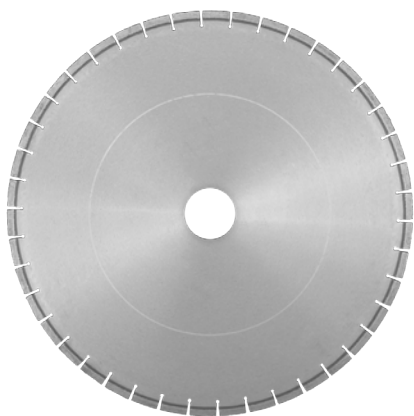
**SOUNDPROOF STEEL CORE**

**Features:** Blades for cutting prestressed concrete with a thicker soundproof steel core, using laser cuts covered by resins to reduce the noise level. Available in different bonds according to the concrete aggregates.

**Noise Level:** These blades can reduce noise levels by approximately 10-15 dB compared to standard blades.

REF	Ø	Shaft	Width	High
358_7600	600	60	6	15
358_7700	700	80	6	15
358_7800	800	80	6	15
358_7900	900	80	6	15
358_5100	1000	80	8	10
358_5110	1100	80	8	10
358_5120	1200	80	8	10
358_5130	1300	120	9	10
358_5145	1450	120	9	10

**SILENT**



**SILENT STEEL CORE**

**Features:** Blades for cutting prestressed concrete with a thicker steel core, using sandwich silent steel core to reduce the noise level. Available in different bonds according to the concrete aggregates.

**Noise Level:** These blades offer the highest level of noise reduction, potentially reducing noise by 20-25 dB or more.

REF	Ø	Shaft	Width	High
357_7600	600	60	6	15
357_7700	700	80	6	15
357_7800	800	80	6	15
357_7900	900	80	6	15
357_5100	1000	80	8	10
357_5110	1100	80	8	10
357_5120	1200	80	8	10
358_5130	1300	120	9	10
358_5145	1450	120	9	10

**BOND TYPES ACCORDING TO CONCRETE AGGREGATES:**

**A8019**

CALCAREOUS ARID  
CODE NUMBER "C"

**A141**

ARID WITH ≤5% SILICIUM  
CODE NUMBER "1"

**A262M**

ARID WITH ≤10% SILICIUM  
CODE NUMBER "0"

**3402**

ARID WITH ≤20% SILICIUM  
CODE NUMBER "2"

**3403**

ARID WITH ≤30% SILICIUM  
CODE NUMBER "3"

**3404**

ARID WITH ≤40% SILICIUM  
CODE NUMBER "4"

**3405**

ARID WITH >40% SILICIUM  
CODE NUMBER "5"

**Other diameters and Shaft under request**

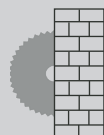
# DIAMOND TOOLS



1. CORE DRILLS



2. FLOOR SAW BLADES



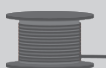
3. PRECAST DIAMOND BLADES



4. DIAMOND WIRE FOR CONSTRUCTION



5. DIAMOND BLADES FOR NATURAL AND ARTIFICIAL STONES



6. DIAMOND WIRE FOR NATURAL STONE



7. POLISHING TOOLS FOR NATURAL STONE



8. ROUGHING CUTTERS FOR MARBLE AND GRANITE



9. GANG SAW FOR MARBLE AND SANDSTON



10. SURFACE PREPARATION



11. DRY CUTTING BLADES



12. TABLE SAW BLADES (WET CUTTING)



13. GRINDING RINGS FOR CALIBRATING



14. PRECAST DIAMOND BLADES



AUTHORIZED POINT OF SALE



V1.0.1



## FACTORY / ADMINISTRATION

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## FACTORY / COMMERCIAL SERVICES

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