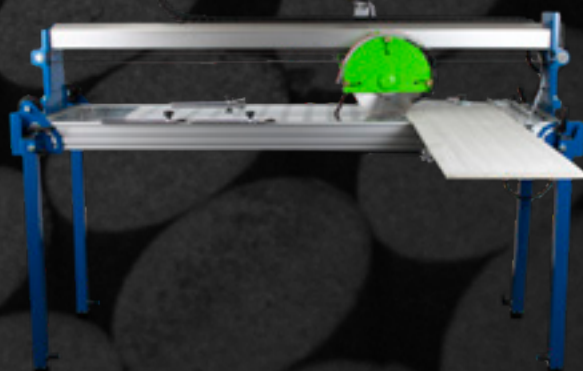




simasa

Excellence and reliability

Catalogue
February 2022



www.simasa.com

A low-angle photograph of a modern building facade. The building features a grid of light-colored panels and large glass windows reflecting the sky. The word "Simma" is mounted on the facade in large, blue, 3D block letters. The letter 'i' is stylized with a small blue star above it. The sky is a clear, pale blue.

Simma



WELCOME TO SIMA

50 YEARS MANUFACTURING
QUALITY

A SPANISH BRAND WHO
PRODUCES IN SPAIN

GLOBAL APPROACH

AFTER-SALES SERVICE
WORLDWIDE

INNOVATING FOR OUR
CLIENTS

50 *years*

EXPERIENCE IN DESIGNING AND PRODUCING HIGH-END MACHINES

1970

Sociedad Industrial de Maquinaria Andaluza S.A. (SIMA) is created by Antonio García, upon his invention of the first 45° ceramic tiles cutter.



1981

Two years later, the same inspiring principles lead the entrance of SIMA into the Rebar Process markets.



1990

SIMA starts addressing the pavement cutting segment. Later, other surface treatment machines will add to the range: power trowels, scarifiers, etc.

1998

The PYLTIN company is founded, a subsidiary to laser cut, bend and paint the metal parts of SIMA machines. Later, PYLTIN also started supplying other companies besides SIMA.



1970

1970

Initially, the brand colours as shown on the machines is red and green. Ten years later these colours were replaced by cream and blue.



Original logo

1980

1979

Fully imbued with the conviction of offering those products that would best adapt to the market demands, new innovations keep expanding the range. So happened with what is considered to be the first wet cutting table saw in Spain, named... EVA.



1990



Logo facelift

1995

SIMA begins its international expansion, starting by the neighbouring mediterranean countries, and then towards Latin America.





**INTERMAT
AND
PREVENGA
AWARDS**



2005

Until six years later, when they evolved to become the current corporate colours of SIMA brand and machines.



2006

The former SIMA after sales service department evolves with the creation of independent technical workshops certified by SIMA. This net of certified official workshops became **SERVISIMA**.



2008

The Drynd generation of the family run company takes office in the company Management: Javier García is appointed new CEO of SIMA.



2020

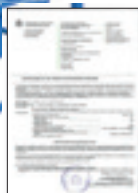
SIMA celebrates its 50th anniversary.



2000

1999

Once more, SIMA supplies to the market demands. SIMA launches the first wood circular saw fully certified to EU safety standards. The new white and blue corporate colours are briefly adopted.



2010

2007

SIMA premises complete an enlargement to reach their current size of 27.000 m²



2020

2019

SIMA is present in 77 countries and continues its growth strategy.



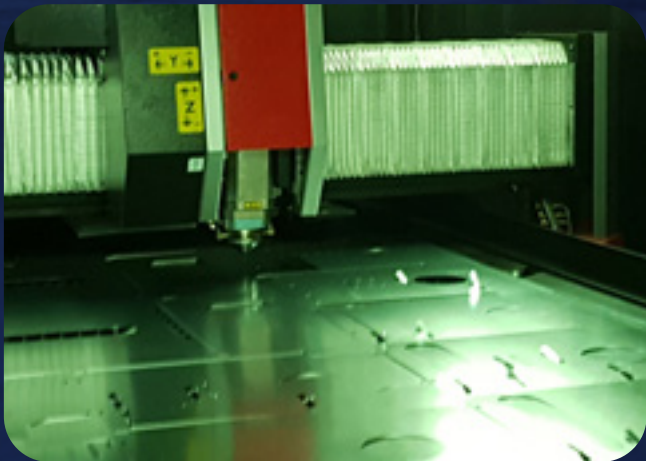


**A SPANISH
BRAND,
MADE IN
SPAIN**

In the manufacturing section SIMA develops the complex production process, from metal laser cutting and forming, welding robot assisted, to surface treatment and painting; from the electrical panels building to the assembly and packing of the finished products.

Made in Spain from scratch to finish.

WELCOME TO SIMA





SIMA has established a reputation as an international brand. Today, SIMA can be found in the five continents, with a foothold in 77 countries and building presence in some others.

It is key for the brand to attend the most relevant trade fairs in the sectors where SIMA operates, such as BAUMA, BIG 5, SMOPYC, INTERMAT, WOC and many more, some of them in co-operation with our partners and distributors.

Our flexible approach enables us to reach a number of O.E.M. customers for whom we produce under their own brand, specifications and requests.



SMOPYC



MATEXPO





SERVISIMA counts with a widespread variety of information for all SIMA models, including videos, pictures, parts diagrams, instruction manuals... for an easier diagnosis and troubleshooting.

And, additionally:

- ◆ One year guarantee for the whole SIMA range. Worldwide service and technical assistance.
- ◆ Professional training to all SERVISIMA points and to the repair workshops of our distributors.
- ◆ Guaranteed stock of spare parts, and a swift delivery service to ensure a quick response.
- ◆ All repair operations are covered by a three month guarantee.
- ◆ SIMA technical team follows up all the repairs performed to acknowledge the customer satisfaction.



sima

50
years

New challenges,
same passion

SIMAINNOVATION

 **STC 45**

REBAR TIER



**NEW
2021**

Rebar tying gun with LED display and 5 Amp Li-ion battery (p. 28)

POLYCAT 220 

MULTI-BLADE GROOVER

4-stroke gasoline engine,
KOHLER CH270 (p. 66)

**NEW
2021**



 **TRITÓN**

RUBBLE CRUSHER



**NEW
2019**

Crusher for compacting and recycling rubble (p. 70)

COMBITRONIC 

AUTOMATIC BENDER AND
COMBINED



**NEW
2020**

Programmable rebar bender AUTO mode operated from a smart phone (p. 22)

New concepts and products for a dynamic market.

EUROTRON 350 SMART

CIRCULAR SAWS FOR WOOD



The smartest Euro-saw for wood, compliant to the new safety EU directive. Featured with a Ø350 mm saw blade, suction inlet for dust removal and extended side benches (optional) to enlarge the working area and still able to use the ruler (p. 51).



ELITE 123

PORTABLE TILE SAW



Dust-free dry cutting portable tile saw, specially for refurbishing projects. All types of cuts: straight 90°, mitring 90°-45°, inner cuts and linear grooves (p. 52).

KERAMAX 130

TILES SAW



Professional tiles saw for large size and hard porcelain tiles and sintered stone (p. 46)

CARDI

MICRO-PERCUSSION CORE DRILLING SYSTEMS AND CORE BITS (DRY & WET)
(p. 74)



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Simma

PAVING TREATMENT

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DIAMOND BLADES AND CORE BITS

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REBAR PROCESSING

CEL

DEL

COMBI

TRONIC

STAR

SPIRAL

STG 45

CX

TX 16

DM 12

C6

Cutting blades
(C and CX series)

Accessories



PRODUCT DESCRIPTION

CEL shears have become a reference in the market for cutting rebar: a range of four models with the highest performance for heavy duty cutting jobs.

Reliable, strong and durable. Highly resistant thanks to its cast-iron monoblock machined chassis. Excellent output in intensive rebar jobs, able to work more than 8 hours daily at construction sites or at rebar workshops.

The inner components subject to continuous wearing and stress are tempered to ensure longer working life.

Specially recommended for rental fleets as high profitability, low maintenance running costs and durability, allowing long-term rentals.



Interchangeable 4 faced long life cutting blades (set of 2 pcs.)



Magneto-thermic ON/OFF switch



Inner components tempered for extended working life



High end quality bearings



Safety shield, fast and easy to use



Heavy cast-iron monoblock chassis



Inner components tempered for extended working life



Lifting hook for easy transport



CUTTING CAPACITY CEL

Yield strength/Grade	Re=N/mm ² 480 / G-60			Re=N/mm ² 650 / G-75		
	N/mm ² 650			N/mm ² 850		
Tensile strength						
Qty. of rebar (mm / inch #)	1	2	3	1	2	3
CEL 36 P	Ø30 1 ^{1/8} " (9#)	Ø20 3/4" (6#)	Ø16 5/8" (5#)	Ø25 1" (8#)	Ø20 3/4" (6#)	Ø16 5/8" (5#)
CEL 42 P	Ø35 1 ^{3/8} " (11#)	Ø25 1" (8#)	Ø16 5/8" (5#)	Ø32 1 ^{1/4} " (10#)	Ø25 1" (8#)	Ø16 5/8" (5#)
CEL 52 P	Ø40 1 ^{5/8} " (12#)	Ø25 1" (8#)	Ø16 5/8" (5#)	Ø40 1 ^{5/8} " (12#)	Ø25 1" (8#)	Ø16 5/8" (5#)
CEL 55 P	Ø45 1 ^{3/4} " (14#)	Ø32 1 ^{1/4} " (10#)	Ø22 7/8" (7#)	Ø40 1 ^{5/8} " (12#)	Ø32 1 ^{1/4} " (10#)	Ø20 3/4" (6#)

CEL 36 P

Phase	Frequency Hz (plug pins)	Code	Motor voltage (V)	KW (HP)	Cuts/min.	Oil (L/ Gal.)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
1-PHASE	50 (3P)	8055	230	1,5 (2)	110	1 (0,26)	247 / 544,5	1110 x 710 x 970 (43,7" x 27,95" x 38,19")
1-PHASE	60 (3P)	8057	230	2,2 (3)				
3-PHASE	50 (4P) 50 (5P)	8054 8058	230 / 400	1,5 (2)				
3-PHASE	60 (4P)	8039	230 / 400	1,5 (2)				

CEL 42 P

Phase	Frequency Hz (plug pins)	Code	Motor voltage (V)	KW (HP)	Cuts/min.	Oil (L/ Gal.)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
3-PHASE	50 (4P) 50 (5P)	8061 8072	230 / 400	3 (4)	100	1,3 (0,34)	391,6 (863,3)	1110 x 710 x 970 (43,7" x 27,95" x 38,19")
3-PHASE	60 (4P)	8073						

CEL 52 P

Phase	Frequency Hz (plug pins)	Code	Motor voltage (V)	KW (HP)	Cuts/min.	Oil (L/ Gal.)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
3-PHASE	50 (4P) 50 (5P)	8074 8075	230 / 400	4 (5,5)	88	1,3 (0,34)	490 (1080)	1110 x 710 x 970 (43,7" x 27,95" x 38,19")
3-PHASE	60 (4P)	8076						

CEL 55 P

Phase	Frequency Hz (plug pins)	Code	Motor voltage (V)	KW (HP)	Cuts/min.	Oil (L/ Gal.)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
3-PHASE	50 (4P) 50 (5P)	8081 8082	230 / 400	4 (5,5)	50	9 (2,37)	721 (1589)	1220 x 775 x 970 (48" x 30,51" x 38,19")
3-PHASE	60 (4P)	8083						



PRODUCT DESCRIPTION

Four models available to meet any rebar production requirements in both, job sites and rebar factories / workshops.

Supplied with the necessary pins, rollers and mandrels to produce the desired bending angle.

All models of DEL benders are also capable to produce stirrups, spirals and hoops using the optional accessories.

Two speeds motor (standard and fast) available upon request on models DEL 32, DEL 36 and DEL 45.

Featuring Voltage / Amps display and magneto-thermic protection breaker.



Removable panels for easy maintenance access



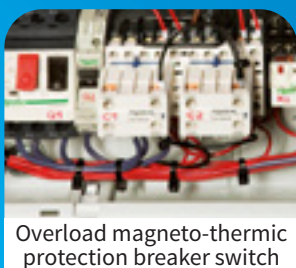
Dirt and water resistant proximity inductive sensor



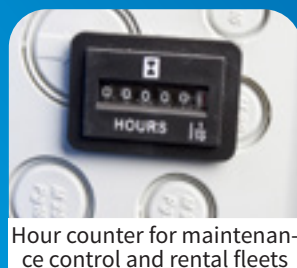
Volts and amps draw control display



Internally mounted power socket to reduce wear and tear



Overload magneto-thermic protection breaker switch



Hour counter for maintenance control and rental fleets



Impact-resistant emergency stop



Curved plexiglass protection visor for a 360° visibility



In compliance to most international bending requirements and regulations, for bending rebar size $\geq \text{Ø}25$ mm it **is mandatory to use the large diameter rebar special bending device** and the specific mandrels as per rebar sizes.
(Please check page 33)

Bending capacity DEL x2 speeds:

DEL 32 x2 speeds: fast: $\text{Ø}16$ mm (#5) – slow: $\text{Ø} 28$ mm (#9)

DEL 36 x2 speeds: fast: $\text{Ø}20$ mm (#6) – slow: $\text{Ø} 32$ mm (#10)

DEL 45 x2 speeds: fast: $\text{Ø}25$ mm (#8) – slow: $\text{Ø} 40$ mm (#14)

BENDING CAPACITY DEL

Yield strength/Grade	Re=N/mm ² 480 / G-60			Re=N/mm ² 650 / G-75		
	N/mm ² 650			N/mm ² 850		
Tensile strength						
Qty. of rebar (mm / inch #)	1	2	3	1	2	3
DEL 32	$\text{Ø}28$ 1 ^{1/8} " (9#)	$\text{Ø}20$ 7/8" (7#)	$\text{Ø}16$ 5/8" (5#)	$\text{Ø}25$ 1" (8#)	$\text{Ø}18$ 3/4" (6#)	$\text{Ø}14$ 1/2" (4#)
DEL 36	$\text{Ø}32$ 1 ^{1/4} " (10#)	$\text{Ø}24$ 1" (8#)	$\text{Ø}18$ 3/4" (6#)	$\text{Ø}32$ 1 ^{1/4} " (10#)	$\text{Ø}22$ 7/8" (7#)	$\text{Ø}16$ 5/8" (5#)
DEL 45	$\text{Ø}43$ 1 ^{3/4} " (14#)	$\text{Ø}32$ 1 ^{1/4} " (10#)	$\text{Ø}25$ 1" (8#)	$\text{Ø}40$ 1 ^{3/4} " (11#)	$\text{Ø}26$ 1" (8#)	$\text{Ø}22$ 7/8" (7#)
DEL 52	$\text{Ø}46$ 1 ^{7/8} "	$\text{Ø}34$ 1 ^{3/8} " (11#)	$\text{Ø}28$ 1 ^{1/8} " (9#)	$\text{Ø}43$ 1 ^{3/4} " (14#)	$\text{Ø}32$ 1 ^{1/4} " (10#)	$\text{Ø}25$ 1" (8#)

Model	Phase	Frequency Hz (plug pins)	Code	Motor voltage (V)	KW (HP)	Turns/ min	Oil (L. Gal.)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
DEL 32	1-PHASE	50-60 (3P)	20251504	230	2,2 (3)	11	5,1 (1,34)	302 (665,79)	950 x 850 x 1050 (37,4" x 33,46" x 41,33")
	1-PHASE	60 (3P)	20251503	110	1,5 (2)	11			
	3-PHASE	50 (4P)	20251500 20251502	230 / 400	2,2 (3)	11			
	3-PHASE	60 (4P)	20251501	230 / 400	2,2 (3)	11			
	3-PHASE 2 Speed	50 (5P)	20251505	230 / 400	3,3 (4,5)	11 / 22			
DEL 36	3-PHASE	50 (4P) 50 (5P)	20252000 20252002	230 / 400	3 (4)	10	10 (2,64)	355 (782,64)	950 x 850 x 1050 (37,4" x 33,46" x 41,33")
	3-PHASE	60 (4P)	20252001		4,5 (6,1)	10 / 20			
	3-PHASE 2 speed	50 (5P)	20252005						
DEL 45	3-PHASE	50 (4P) 50 (5P)	20252500 20252502	230 / 400	3 (4)	10	8,8 (2,32)	490 (1.080)	1080 x 1040 x 1170 (42,52" x 40,94" x 46,06")
	3-PHASE	60 (4P)	20252501		4,5 (6,1)	6,5 / 13			
	3-PHASE 2 speed	50 (5P)	20252505						
DEL 52	3-PHASE	50 (4P) 50 (5P)	20253000 20253002	230 / 400	4 (5,5)	6	15 (3,96)	721 (1589)	1080 x 1040 x 1170 (42,52" x 40,94" x 46,06")
	3-PHASE	60 (4P)	20253001	230 / 400					



PRODUCT DESCRIPTION

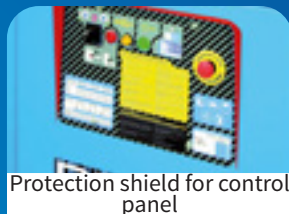
Specially recommended for rebar production in small - medium housing or infrastructure projects with rebar sizes of up to $\text{Ø}36\text{mm}$ / $1\frac{3}{8}$ " (#11) for cutting and $\text{Ø}52\text{mm}$ / 2 " for bending, such as small resorts, condominiums, villas, low height apartment buildings, etc. A multi-purpose machine which also allows production of stirrups, spirals and hoops with its optional accessories.

The COMBI range is an ideal solution for small to medium rebar contractors and manufacturers, providing full working autonomy in any rebar work, and at a very low cost.

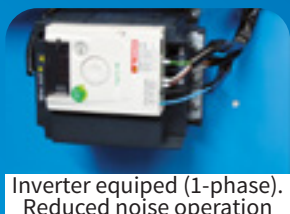
One machine, a single investment to do all rebar jobs: bending, cutting, stirrups and spirals / hoops.



Smart belts tightening system quick and easy



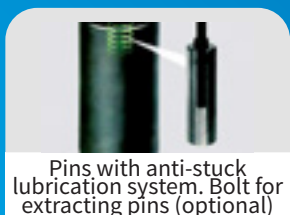
Protection shield for control panel



Inverter equipped (1-phase). Reduced noise operation



Safety foot pedal control



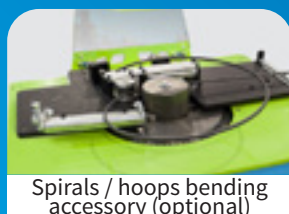
Pins with anti-stuck lubrication system. Bolt for extracting pins (optional)



Stirrup device for max. rebar $\text{Ø}14\text{mm}$ / $5/8$ " - #5 (optional)



Large diameter rebars bending kit (optional)



Spirals / hoops bending accessory (optional)

4-IN-1 MACHINE



Cutting, thanks to its shear jaws simultaneously operated with the bending plate.



Bending, operated as our DEL range rebar benders.



Stirrups production using the optional stirrups accessory (up to 450 pcs./ hour).



Production of **spirals** rings and arches using the optional Spirals bending accessory.



In compliance to most international bending requirements and regulations, for bending rebar size $\geq \text{Ø}25$ mm it is **mandatory to use the large diameter rebar special bending device** and the specific mandrels as per rebar sizes.
(Please check page 33)



Bending capacity COMBI x2 speeds:

DEL 32 x2 speeds: fast: Ø16 mm (#5) – slow: Ø 28 mm (#9)

DEL 36 x2 speeds: fast: Ø20 mm (#6) – slow: Ø 32 mm (#10)

DEL 45 x2 speeds: fast: Ø25 mm (#8) – slow: Ø 40 mm (#14)

CUTTING CAPACITY COMBI

Yield strength/Grade	Re=N/mm ² 480 / G-60			Re=N/mm ² 650 / G-75		
	N/mm ² 650			N/mm ² 850		
Tensile strength						
Qty. of rebar (mm / inch #)	1	2	3	1	2	3
COMBI 25/32	Ø20 7/8" (7#)	Ø16 5/8" (5#)	Ø10 3/8" (3#)	Ø20 7/8" (7#)	Ø14 1/2" (4#)	Ø8 3/8" (3#)
COMBI 30/36	Ø25 1" (8#)	Ø18 3/4" (6#)	Ø14 1/2" (4#)	Ø25 1" (8#)	Ø16 5/8" (5#)	Ø12 1/2" (4#)
COMBI 36/52	Ø32 1 1/4" (10#)	Ø20 7/8" (7#)	Ø16 5/8" (5#)	Ø32 1 1/4" (10#)	Ø18 3/4" (6#)	Ø16 5/8" (5#)

BENDING CAPACITY COMBI

Yield strength/Grade	Re=N/mm ² 480 / G-60			Re=N/mm ² 650 / G-75		
	N/mm ² 650			N/mm ² 850		
Tensile strength						
Qty. of rebar (mm / inch #)	1	2	3	1	2	3
COMBI 25/32	Ø28 1 1/8" (9#)	Ø20 7/8" (7#)	Ø16 5/8" (5#)	Ø25 1" (8#)	Ø18 3/4" (6#)	Ø14 1/2" (4#)
COMBI 30/36	Ø32 1 1/4" (10#)	Ø24 1" (8#)	Ø18 3/4" (6#)	Ø32 1 1/4" (10#)	Ø22 7/8" (7#)	Ø16 5/8" (5#)
COMBI 36/52	Ø46 1 7/8"	Ø34 1 3/8" (11#)	Ø25 1" (8#)	Ø42 1 3/4" (14#)	Ø32 1 1/4" (10#)	Ø25 1" (8#)

Model	Phase	Frequency Hz (plug pins)	Code	Motor voltage (V)	KW (HP)	Turns/min	Oil (L. Gal.)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
COMBI 25/32	1-PHASE	50-60 (3P)	20351504	230	2,2 (3)	11	5,1 (1,34)	386 (850,98)	950 x 1080 x 1.050 (37,4" x 33,46" x 41,33")
	3-PHASE	50 (4P) 50 (5P)	20351500 20351502	400					
	3-PHASE	60 (4P)	20351501	230 / 400					
	3-PHASE 2 Speed	50 (5P)	20351505	230 / 400	3,3 (4,5)	11 / 22			
COMBI 30/36	3-PHASE	50 (4P) 50 (5P)	20352000 20352002	230 / 400	3 (4)	10	10 (2,64)	435 (959,01)	950 x 1080 x 1050 (37,4" x 42,52" x 41,33")
	3-PHASE	60 (4P)	20352001						
	3-PHASE 2 speed	50 (5P)	20352005	4,5 (6,1)	10 / 20				
COMBI 36/52	3-PHASE	50 (4P) 50 (5P)	20352500 20352502	230 / 400	4 (5,5)	6	8,8 (2,32)	721 (1589,53)	1080 x 1290 x 1190 (42,52" x 50,78" x 46,85")
	3-PHASE	60 (4P)	20352501						

COMBITRONIC & DELTRONIC

SMART PROGRAMMABLE BENDER AND SHEARS



PRODUCT DESCRIPTION

The new **TRONIC** line shares the technical features of the standard **COMBI** and **DEL** series, but additionally it features digital programming.

With a local wireless connection to smartphone, tablet, computer or industrial-proof touch screen, it offers different functionalities:

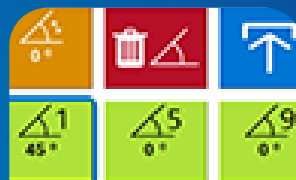
- Programmable angles selection: 10 programmes with 10 angles each.
- Lockable use timer by time or date.
- Rebar counter, operating & connecting hours counters.
- 2-in-1: manual pin operated or auto TRONIC mode operated.
- Password access for designated users to advance settings & functions.
- Test mode for diagnosis and troubleshooting.



Local WIFI connected, smart device operated



Operating touch screen industrial-proof (optional)



Programmable angles selection: 10 programmes and 10 angles each.



Password access for designated users



Geolocation and fleet management (optional)



Lockable use timer by time or date



Test mode for diagnosis and troubleshooting



2-in-1: manual pin operated or auto TRONIC mode operated



In compliance to most international bending requirements and regulations, for bending rebar size $\geq \text{Ø}25$ mm it is **mandatory to use the large diameter rebar special bending device** and the specific mandrels as per rebar sizes.
(Please check page 33)

*For bending and cutting capacities please check pages 19 and 21.

Model	Code
Geolocation system	R202525120504
7" touch screen stand for TRONIC	R202525120503



SIMALOC & GEOLOC

- Machines fleet management with real time geolocation.
- Remote machine lock down through web platform.
- Route history for the last three months.
- Activity report, including time of use per day (for a preset period), and graphic display of the machine use patterns.
- Event list (on/off, movements, low battery and flat battery).

Model	Phase	Frequency Hz (plug pins)	Code	Motor voltage (V)	KW (HP)	Turns/min	Oil (L. Gal.)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
DELTRONIC 32	3-PHASE	50 (4P)	20251510	400	2,2 (3)	11	5,1 (1,34)	302 (665,79)	950 x 850 x 1050 (37,40"x33,46"x41,33")
		50 (5P)	20251512						
	3-PHASE	60 (4P)	20251511	230					
DELTRONIC 36	3-PHASE	50 (4P)	20252010	400	3 (4)	10	10 (2,64)	355 (782,64)	950 x 850 x 1050 (37,40"x33,46"x41,33")
		50 (5P)	20252012	230					
	3-PHASE	60 (4P)	20252011						
DELTRONIC 45	3-PHASE	50 (4P)	20252510	400	3 (4)	10	8,8 (2,32)	490 (1080)	1080 x 1040 x 1170 (42,52"x40,94"x 6,06")
		50 (5P)	20252512						
	3-PHASE	60 (4P)	20252511	230					
DELTRONIC 52	3-PHASE	50 (4P)	20253010	400	4 (5,5)	6	15 (3,96)	721 (1589)	1080 x 1040 x 1170 (42,52"x40,94"x 6,06")
		50 (5P)	20253012						
	3-PHASE	60 (4P)	20253011	230					
COMBITRONIC 25/32	3-PHASE	50 (4P)	20351510	400	2,2 (3)	11	5,1 (1,34)	386 (850,98)	950 x 1080 x 1050 (37,40"x42,52"x41,33")
		50 (5P)	20351512						
	3-PHASE	60 (4P)	20351511	230					
COMBITRONIC 30/36	3-PHASE	50 (4P)	20352010	400	3 (4)	10	10 (2,64)	435 (959,01)	950 x 1080 x 105 (37,40"x42,52"x41,33")
		50 (5P)	20352012						
	3-PHASE	60 (4P)	20352011	230					
COMBITRONIC 36/52	3-PHASE	50 (4P)	20352510	400	4 (5,5)	6	8,8 (2,32)	721 (1589,53)	1080 x 1290 x 1190 (42,52"x50,78"x46,85")
		50 (5P)	20352512						
	3-PHASE	60 (4P)	20352511	230					



PRODUCT DESCRIPTION

Thanks to its handy and comfortable design, STAR stirrup benders deliver a high performance and productivity, up to 700 - 1000 stirrups per hour depending on the rebar size, the stirrup shape and the operator's skills.

Not only able to produce standard stirrups but virtually any rebar shape commonly used in rebar works for building and construction, such as: hooks, separators, anchors, feet, fastening hooks, elbows, reinforcements, etc.

Able to bend multiple stirrups at the time with the same shape and bending quality depending on rebar size and tensile strength (grade).



Bending turning plate ergonomically designed for an easier operation



Removable panels for easy maintenance access



Adjustable folding length stops



Angle selection pins



Safety foot pedal control



Full featured control panel



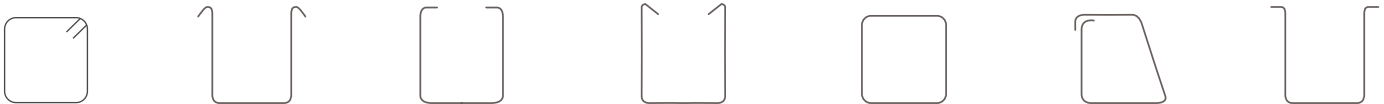
Heavy-duty motor-reducer, 0% power loss



Transparent protection shield for total visibility



Different bends and angles (among others)



DOTATION

Mm / Inch	Ø36 / 1 ³ / ₈ "	Ø18 / 1 ³ / ₄ "	Ø25 / 1"	Ø36 / 1 ³ / ₈ "	Ø48 / 1 ⁷ / ₈ "
STAR 16	1	1	2	1	1
STAR 20	1	1	2	1	1

BENDING CAPACITY STAR

Yield strength/Grade	Re=N/mm ² 480 / G-60 · Re=N/mm ² 650 / G-75					
Tensile strength	Rm=N/mm ² 650 · Rm=N/mm ² 850					
Qty. of rebar (mm / inch #)	7	6	5	3	1	1
Bending mandrel	Ø18 / 0.71"	Ø24 / 0.94"	Ø36 / 1.41"	Ø36 / 1.41"	Ø48 / 1.89"	Ø48 / 1.89"
STAR 16	Ø6 1/4"	Ø8 5/16"	Ø10 3/8" (3#)	Ø12 1/2" (4#)	Ø16 5/8"(5#)	-
STAR 20	Ø6 1/4"	Ø8 5/16"	Ø10 3/8" (3#)	Ø12 1/2" (4#)	Ø16 5/8"(5#)	Ø20 7/8" (7#)

Model	Phase	Frequency Hz (plug pins)	Code	Motor voltage (V)	KW (HP)	RPM	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
STAR 16	1-PHASE	50 (3P) 60 (3P)	0835 0836	230	2,2 (3)	19	140 (308,64)	850 x 760 x 680 (33,46" x 29,92" x 26,77")
	3-PHASE	50-60 (4P) 50-60 (5P)	0830 0833	230 / 400	1,5 (2)			
STAR 20	1-PHASE	50 (3P)	20202004	230	1,5 (2)	17	214 (471,79)	800 x 620 x 1040 (31,49" x 24,41" x 40,94")
	3-PHASE	50 (4P) 50 (5P)	20202000 20202002	230 / 400				
	3-PHASE	60 (4P)	20202001	230 / 400				



SPIRAL BENDERS



PRODUCT DESCRIPTION

Our machines SPIRAL 26 and SPIRAL 36 are specially designed to produce spiral or hoop rebar, at job sites or workshops, for structures used in any concrete circular formworks, such as foundations, scorings, water dams and reservoirs, domes, arches, tunnels and round pillars and columns.

They have a capacity from min rebar 6mm (1/4" - #1) up to max. rebar 26mm (1" - #8) and 36mm (1- 3/8" / #11), depending on the machine model and the rebar tensile strength (Grade).

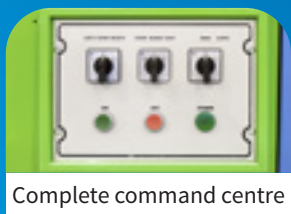
APPLICATIONS



Designed for production of spirals, hoops and arches



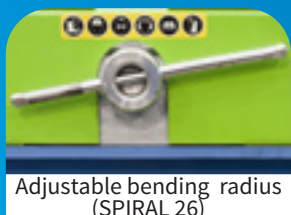
Adjustable formers



Complete command centre



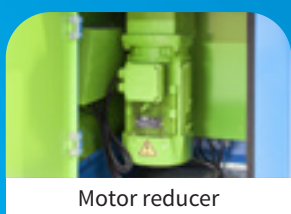
Adjustable bending radius (SPIRAL 36)



Adjustable bending radius (SPIRAL 26)



Impact-resistant emergency stop



Motor reducer



Control panel box



Applications in **foundations and pipelines.**



Applications in water **dams and reservoirs.**






Applications in **domes, arches and tunnels.**



Applications in **round pillars and columns.**



DOTATION

			
SPIRAL 26	1	1	1
SPIRAL 36	1	1	1

BENDING CAPACITY SPIRAL

Yield strength/Grade	Re=N/mm ² 480 / G-60	Re=N/mm ² 650 / G-75
Tensile strength	Rm=N/mm ² 650	Rm=N/mm ² 850
Minimum Ø of rebar (mm / Inch)	Ø 06 - 1/4"	Ø 06 - 1/4"
Minimum spiral bending Ø (mm / Inch)	Ø 270 - 11"	Ø 270 - 11"
SPIRAL 26	Ø20 7/8" (7#)	Ø18 3/4" (6#)
SPIRAL 36	Ø26 1" (8#)	Ø22 7/8" (7#)

Model	Phase	Frequency Hz (plug pins)	Code	Motor voltage (V)	KW (HP)	RPM	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
SPIRAL 26	3-PHASE	50 (5P)	20251520	230 / 400	2,5 (3,4)	697	300 (661,38)	1220 x 920 x 1150 (48,03" x 36,22" x 45,27")
	3-PHASE	60 (5P)	20251521			1387		
SPIRAL 36	3-PHASE	50 (5P)	20252020	230 / 400	2,5 (3,4)	697	430 (948)	1220 x 920 x 1150 (48,03" x 36,22" x 45,27")
	3-PHASE	60 (4P)	20252021			1387		

STG 45

REBAR TYING GUN



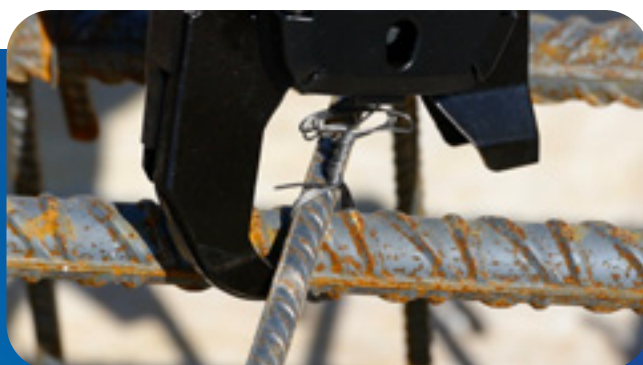
PRODUCT DESCRIPTION

High operational speed. It works 5 times faster than traditional manual rebar tying, less than a Drynd per tie.

Tying selector for 2 or 3 wraps per tie and 10 different levels of tying torque.

High-tech Electronics Inside, it features a new auto diagnosis system on a LED digital display for troubleshooting.

Redesigned Jaws to increase endurance. New reengineered upper jaw, reinforced and made by tempered steel for longer life. Bigger jaws, it ties rebar from 6 x 6 mm up to 20 x 20 mm (#3 x #3 to #6 x #6 rebar).



DOTATION



STG 45	2	1	4	1
--------	---	---	---	---

Code	8544
Net weight	2,7 kg
Gross weight	7,6 kg (16,7 Lbs.)
Tier dimensions	485 x 135 x 385 mm (18" x 5,3" x 15,15")
Carry case dimensions	485 x 135 x 385
Wraps x tie	2 - 3
Min. & Max. tying diameter	Ø6 - Ø45mm / 2x #3 - 2x #6
Wire diameter	0,8 mm (0,03")
Wire length x coil	100 m / 330 ft aprox.
Ties x coil	150 - 115 approx.
Ties x charge	Until 5.200
Battery	Li - Ion
Voltage	18,5 V
Amps	5,0 Ah
Charging time	60 min



Easy-to-use & rugged digital display to **set wraps per tie** (2 or 3) and **tying torque** (1 to 10)



Battery life tester with **LED lights**



Heavy duty slide-in battery **18,5 V y 5 Ah** for longer operating



PORTABLE ELECTRO-HYDRAULIC CUTTERS

PRODUCT DESCRIPTION

- Forged steel cutting jaws.
- High performance hydraulic pistons and reinforced aluminum frame and body, rugged and lighter.
- 4 faced long life blades and adjustable bar stop bolt/nut.
- Double insulation and a pressure relief valve to retract the piston.



Model	Phase	Frequency Hz (plug pins)	Code	Motor voltage (V)	KW (HP)	Cutting capacity	Cutting speed	Blades life spam	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
CX 16	1-PHASE	50-60 (2P)	8180	220	0,9 (1,2)	Ø4 - Ø16 1/8" - 5/8"	2,5 - 3 sec.	Aprox. 5000	6,8 (15)	530 x 160 x 370 (20,9" x 6,3" x 14,6")
	1-PHASE	50-60 (3P) USA	8181	110						
CX 20	1-PHASE	50-60 (2P)	8185	220	1,2 (1,7)	Ø4 - Ø20 1/8" - 3/4"	3 - 3,5 sec.	Aprox. 5000	9,5 (20,9)	530 x 160 x 370 (20,9" x 6,3" x 14,6")
	1-PHASE	50-60 (2P) USA	8186	110						
CX 25	1-PHASE	50-60 (2P)	8190	230	1,5 (2)	Ø4 - Ø25 1/8" - 1"	5 sec.	Aprox. 5000	20 (44)	565 x 230 x 345 (22,2" x 9" x 13,6")
	1-PHASE	50-60 (2P) USA	8191	110						

CX 16/20 Li-ion

PORTABLE BATTERY-DRIVEN CUTTERS

PRODUCT DESCRIPTION

Cordless and light weight, it runs on a 18V - 4.0 Ah Lithium - ion battery.

Model	Code	Motor voltage (V)	Cutting capacity	Cutting speed	Cuts per battery charge	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
CX 16 Li-ion	8162	18	Ø 04 1/8" (#1)	4-5 sec.	50 / 60	13 (28,6)	545 x 405 x 185 (21,4" x 15,9" x 7,2")
			Ø 16 5/8" (#5)				
CX 20 Li-ion	8167	18	Ø 04 1/8" (#1)	5-6 sec.	50 / 60	15 (33)	545 x 405 x 185 (21,4" x 15,9" x 7,2")
			Ø 20 3/4" (#6)				



TX 16

HEAVY DUTY BOLT CUTTERS



PRODUCT DESCRIPTION

- Cuts rebar from 2mm (0.08") up to 16mm (5/8" - #5). Reduces the cutting effort thanks to its wide jaws opening.
- Non-deformable handles made of high resistance 3mm thick steel.
- 3 faced long-life blades made of special steel-chrome and tempered to 58/60 HRC.
- Its special design allows cutting in difficult access rebar structures, rebar mesh, etc. Able to cut tiny rebars at floor level.



Model	Code	Packaging	Max. cutting	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
TX 16	8541	6 Pcs.	16mm - 5/8" (#5)	7,8 (17,2)	1175 x 360 x 165 (46" x 14,2" x 6,5")

DM 12

MANUAL STIRRUP BENDER



PRODUCT DESCRIPTION

- Able to bend several rebar at the time**
- Featured with adjustable bar stop and ruler.
- Tempered pushing pin and mandrel.
- Holes for bench fixing.



Model	Code	Packaging	Diámetro de doblado	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
DM 12	0912	2 Pcs.	12 mm - 1/2" (7#)	8,2 (18)	935 x 265 x 195 (36,8" x 10,4" x 7,6")



MANUAL SHEARS



PRODUCT DESCRIPTION

EASY TO USE AND TOUGH BUILT

- Models C6/28 and C6/32 featured with an exclusive system to bring the blades closer for accurate effortless cutting.
- Extra lenght lever for an increased cutting power with less physical efforts.
- Rugged and durable.

Model	Code	Max. cutting	Net weight Kg (Lbs)	Push lever dimensions / mm (Inch)	Packaging dimensions LxWxH / mm (Inch)
C6 22	7000	22 mm - 7/8" (#7)	19 (41,8)	1480 x 255 x 68 (58,2" x 10" x 2,6")	330 x 140 x 270 (13" x 5,5" x 10,6")
C6 28	7010	28 mm - 1 1/8" (#9)	40 (88)	2013 x 282 x 68 (79,2" x 11,1" x 2,6")	500 x 190 x 270 (19,6" x 7,4" x 10,6")
C6 32	7020	32 mm - 1 1/4" (#10)	49 (108)	2013 x 282 x 68 (79,2" x 11,1" x 2,6")	500 x 190 x 390 (19,6" x 7,4" x 15,3")

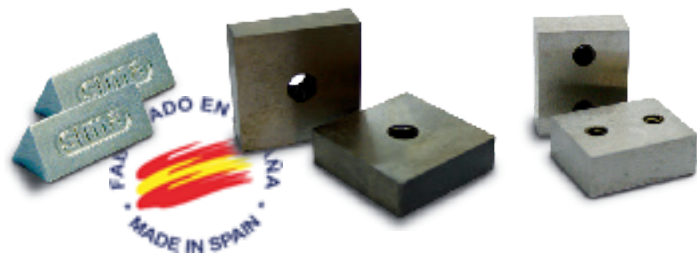


CUTTING BLADES FOR CX, C AND TX SERIES (CHROME STEEL)

PRODUCT DESCRIPTION

4 FACED LONG-LIFE CUTTING BLADES

- Highly resistant and durability.



Model	CX 16	CX 20	CX 25	CX 16 Li-lion	CX 20 Li-lion	C6 22	C6 28	C6 32	TX 16
Code	R-3000426	R-3000425	R-3000421	R-3000501	R-3000601		R-7000005		R-854199501
Cutting edges			4				8		3

ACCESSORIES

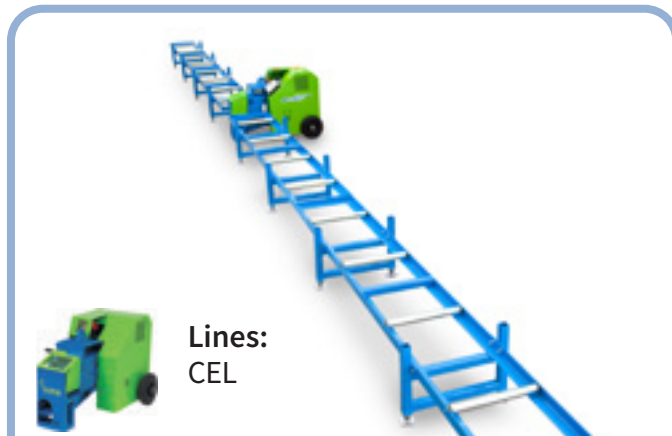
OPTIONAL



Lines:
DEL
STAR
COMBI

4 rollers feeding bench

R80760000



Lines:
CEL

4 rollers feeding bench

R80750000



Lines:
CEL

Elevated workbench

R805440000



Lines:

DEL: 32, 36 (1) ; 45, 52 (2)

COMBI: 25-32, 30-36 ; (1) 36-52 (2)

Set of side entry rollers

(1) R202515009902 / (2) R202525009902



Pins extraction bolt

R202525006700



Extension arm STG 45

R-0728214

Set of 2 blades

Code



CEL 36 P

R800099001

CEL 42 P

R806135000

CEL 52 P

R806135000

CEL 55 P

R808199000

COMBI 25-32

R860099001

COMBI 30-36

R861099001

COMBI 36-52

R868099001



Galvanized wire coils STG 45 (50 coils pack)

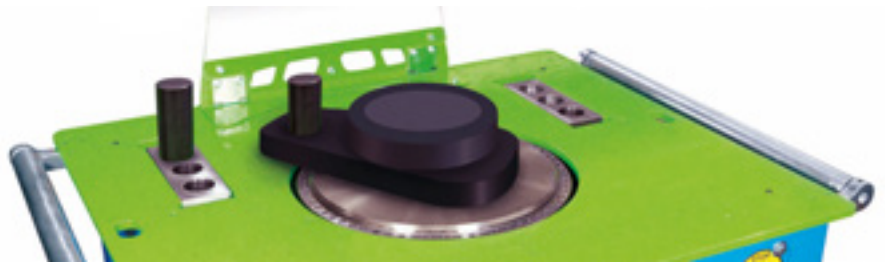
R-2106051

ACCESSORIES

LARGE DIAMETER REBAR BENDING KIT

*LATAM markets only

DEL 36 COMBI 30 - 36	DEL 45 - DEL 52 COMBI 36 - 52
R202515009907	R202525009501
Large diameter push rod D42 x 460	Large diameter push rod D42 x 460
Pin 48x42x200	Pin 48x42x200
Pin 48x42x180	Pin 48x42x180
Drag pin D.42	Drag pin D.42
Mandrel 224x160	Mandrel 224x160
Mandrel 256 x 224	Mandrel 256 x 224
-	Mandrel 288 x 256



NORM UNE 36831 COMPLIANT	DEL 32 COMBI 25 - 32	DEL 36 COMBI 30 - 36	DEL 45 - DEL 52 COMBI 36 - 52
	R202515009900		R202525009500
	Ø 160 / 6,30"	R868067000	N.A.
	Ø 200 / 7,87"	R868069000	DEL 45 - R868069000 DEL 52 - COMBI 36/52 N.A.
	Ø 250 / 9,84"	R868071000	
	Ø 300 / 11,81"	R-1207011	
	Ø 381 / 15"	R868073000	
	Ø 481 / 18,93"	N.A.	R868074000

SPIRALS / HOOPS BENDING DEVICE



≥ØC

Min. rebar Ø 6mm / 1/4" Inch / # 2 Ø 275 / 11"

Max. rebar Ø 20mm / 7/8" Inch / # 7 Ø 950 / 38"

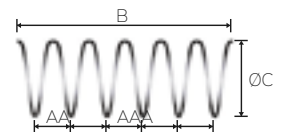
DEL 32 - 36

DEL 45 - 52

COMBI 25 - 32 / 30 - 36

COMBI 36 - 52

R888800000



STIRRUP DEVICE

Max. rebar ≥ØC 14 mm / 5/8" / #5



Bending pin Ø mm/inch	Ø20 / 0.78" Ø42 / 1.65"	Ø30 / 1.18" Ø42 / 1.65"	Ø48 / 1.89" Ø42 / 1.65"		
Qty. of rebar	7	4	2	2	1
Ø mm / inch / #	Ø6 / 1/4" / #1	Ø8 / 5/16" / #2	Ø10 / 3/8" / #3	Ø12 / 1/2" / #4	Ø14 / 5/8" / #5
DEL 32 - 36	R202520009900				
DEL 45 - 52	R202525009900				
COMBI 25 - 32 / 30 - 36	R202520009900				
COMBI 36 - 52	R202525009900				




Sima Handy
sima3.com





3

MASONRY SAWS FOR CONSTRUCTION MATERIALS

MAGNUM

BALI Mekano

DAKAR Mekano

VENUS Mekano

PERLANATO

KERAMAX

HANDY 350

VENUS Polypanel

ELITE 123

EUROTRON

Accessories

MAGNUM L

LARGE BLOCKS CUTTING SAW



PRODUCT DESCRIPTION

- Monobloc Chassis
- Manually operated from handwheel.
- Power choices from 5.5 Kw (7.5 HP) to 7 Kw (10 HP)
- For 700 mm or 1000 mm Ø blades.
- New Star/Delta slow start switch, to avoid over-ampere on start.
- High flow pump (up to 40 litres / minute).
- Maximum cutting length up to 420 mm.
- 420 mm. maximum cutting depth.
- New electric motor in accordance to IE3 European directives: more efficient and less power consuming.
- Hook eye under chassis for optimal safety when lifted with a lift truck.
- New removable water tub.

MAGNUM L

Model	Blade bore (mm / Inch)	Max blade Ø (mm / Inch)	Blade included
Magnum 700 L	60 mm 2,3"	725 mm 28"	No
Magnum 1000 L	60 mm 2,3"	1000 mm 40"	No

RECOMMENDED BLADES



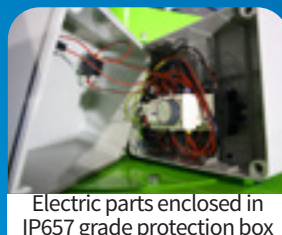
General purpose
Ø 1.000 mm
page 92



Hard concrete
Ø 700 mm
page 95



New Star/Delta slow start switch



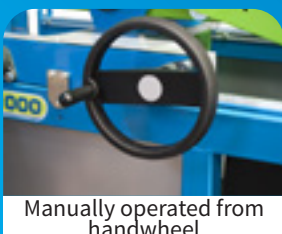
Electric parts enclosed in IP657 grade protection box



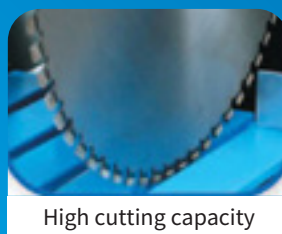
Removable galvanized iron water tub



Hook eye under chassis for improved safety



Manually operated from handwheel



High cutting capacity



High flow pump



Optional side feeding table



High performance in cutting large size blocks of terracota, concrete and other construction materials.

FOR CUTTING A VARIETY OF MATERIALS



Brick



Slate



Terrazzo



Concrete



Ytong



Sandstone



Terracota



Granite



Marble

SPECIFICATIONS	MAGNUM 700 L	MAGNUM 1000 L
	3-PHASE	
Code	10051001	10051000
Motor voltage (V)	230 - 400	230 - 400
Ferquency (Hz / Pins)	50 / 5P	50 / 5P
Kw (Hp)	5,5 (7,5)	7,5 (10)
Water tub capacity (L. / Gal.)	87 / 22,9	87 / 22,9
Maximum cutting length (mm / Inch)	844 / 33,2"	702 / 27,6"
Maximum cutting depth (mm / Inch)	272 / 10,7"	420 / 16,5"
Net weight (Kg. / Lbs.)	300 / 661	303 / 668
Packaging dimensions L x W x H (mm / Inch)	2160 x 1260 x 1500 85" x 49,6" x 59"	2160 x 1260 x 1500 85" x 49,6" x 59"

BALI MekanO

MASONRY SAW



PRODUCT DESCRIPTION

- BALI 500 is suitable for cutting all kind of construction materials.
- BALI 700 is a light and portable machine for cutting large brick and terracota blocks. Available in both, single phase and three phase versions.
- Built on a body of anodized extruded aluminium, for a extended durability and lighter weight. Easier transport and operation on work sites.
- Galvanized steel tub to reduce oxidation.
- Cutting height of up to 20 cms. (Bali 500) or 35 cms. (Bali 700).
- Height adjustable arm, allowing 3 different blade sizes.

BALI mekano

Model	Blade bore (mm / Inch)	Max blade Ø (mm / Inch)	Blade included
BALI 500 mekano	25,4 mm 1"	400 - 450 - 500 16" - 18" - 20"	Yes, 500 mm 20"
BALI 700 mekano	25,4 mm 1"	600 - 650 - 700 24" - 25" - 28"	No

RECOMMENDED BLADES



General purpose
Ø 700 mm
page 92



Reinforced and hard concrete
Ø 700 mm
page 95



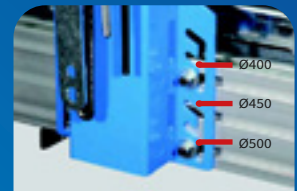
Built with Inox materials



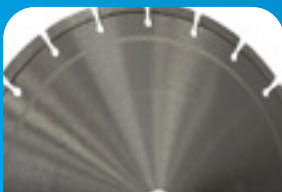
Poly-V belt transmission improves grip and reduces maintenance (BALI 500 MKN)



Folding guard, ensuring the maximum cutting height



Height adjustable arm allows 3 blade sizes (BALI 500 MKN)



Ø500 mm blade included in BALI 500 MekanO



Powerful single phase motor 3Kw (4Hp). Version available in BALI 700 MekanO



Set of 2 handles for an easy handling (included)



Folding legs and wheels



FOR CUTTING A VARIETY OF MATERIALS



Brick



Kerb



Terrazzo



Concrete



Ytong



Sandstone



Terracota



Marble

BALI 500 mekano

Phase	Frequency Hz (plug pins)	Code	Motor voltage (V)	KW (HP)	Max. cutting length	Max. cutting depth	Water tub capacity (L/Gal.)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
1-PHASE	50 (3P) 60 (3P)	0101002000 0101002001	230	2,2 (3)	480 / h200 18,8" / h,78"	200 (7,8")	42 / 11	89,2 / 197	1260 x 880 x 640 (49,6" x 34,6" x 25,1")
1-PHASE	50 (3P) 60 (3P)	0101002002 0101002003	110						
3-PHASE	50 (4P) 50 (5P)	0101002004 0101002005	230 - 400	3 (4)					
3-PHASE	60 (4P)	0101002006	230 - 400						

BALI 700 mekano

Phase	Frequency Hz (plug pins)	Code	Motor voltage (V)	KW (HP)	Max. cutting length	Max. cutting depth (1st and 2nd)	Water tub capacity (L/Gal.)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
1-PHASE	50 (3P)	0101002200	230	3 (4)	540 / 21,3"	Ø600: 230mm (9") 300mm (12")	42 / 11	128 / 282	1450 x 850 x 800 (57" x 33,4" x 31,4")
1-PHASE	60 (3P)	0101002201	230						
3-PHASE	50 (4P) 50 (5P)	0101002204 0101002205	230 - 400						
3-PHASE	60 (4P)	0101002206	230						

DAKAR Mekano

MASONRY SAW



PRODUCT DESCRIPTION

- Perfect balance between quality and price in the world of the table saws.
- Cutting length up to 650 mm.
- Optional folding legs and wheels in Dakar Mekano 300 and 400 (included in DAKAR MK 45).
- 90% made of stainless materials. The remaining 10% is coated with an anti-rust epoxy-polyester paint.
- Top versatility in all kind of materials cutting (up to 12.5 cm. deep with a Ø 400 mm. blade).

DAKAR mekano

Model	Blade bore (mm / Inch)	Max blade Ø (mm / Inch)	Blade included
DAKAR mekano	25,4 mm 1"	300 - 350 12" - 14"	Yes, 350 / 14"
DAKAR 400 mekano	25,4 mm 1"	350 - 400 14" - 16"	Yes 400 / 16"
DAKAR mekano 45	25,4 mm 1"	300 - 350 12" - 14"	Yes, 350 / 14"

RECOMMENDED BLADES



Keramax
Ø 300, 350,
400 mm
page 93



Marble
Ø 300, 350,
400 mm
page 92



Gres continuous rim
Ø 300, 350 mm
page 93



Reinforced aluminium frame and galvanized water tub: light, handy and rust free



Adaptable blade height and able to bevel cut at 45° (only dakar 45)



Folding legs and wheels (Optional for Dakar and Dakar 400)



Adjustable cutting length. Higher comfort and productivity for short cuts



Ø350 or 400 mm blade included depending on model



Cooling system for both blade sides



Built in stainless materials and great durability epoxy-polyester paint



Adjustable reversible ruler



DAKAR mekano

Phase	Frequency Hz (plug pins)	Code	Motor voltage (V)	KW (HP)	Max. cutting length	Max. cutting depth	Water tub capacity (L/Gal.)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)	Folding legs
1-PHASE	50 (3P) 60 (3P)	0103005000 0103005001	230	2,2 (3)	650 / h 20 (25,5" / h 0,78")	75 mm (3") with 300 mm. blade (12")	42 / 11	69,2 (152,5)	1260 x 800 x 510 (49,6" x 31,4" x 20")	Optional
1-PHASE	50 (3P) 60 (3P)	0103005002 0103005003	110							
3-PHASE	50 (4P) 50 (5P)	0101005004 0101005005	230 - 400	3 (4)		100 mm (4") with 350 mm. blade (14")				
3-PHASE	60 (4P)	0101005006	230 - 400							

DAKAR 400 mekano

Phase	Frequency Hz (plug pins)	Code	Motor voltage (V)	KW (HP)	Max. cutting length	Max. cutting depth	Water tub capacity (L/Gal.)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)	Folding legs
1-PHASE	50 (3P) 60 (3P)	0103006000 0103006001	230	2,2 (3)	640 / h 25 (25,1" / h 0,98")	100 mm (4") with 350 mm blade (14")	42 / 11	71,4 (157,4)	1260 x 800 x 510 (49,6" x 31,4" x 20")	Optional
1-PHASE	50 (3P) 60 (3P)	0103006002 0103006003	110							
3-PHASE	50 (4P) 50 (5P)	0103006004 0103006005	230 - 400	3 (4)		125 mm (5") with 400 mm blade (16")				
3-PHASE	60 (4P)	0103006006	230 - 400							

DAKAR mekano 45

Phase	Frequency Hz (plug pins)	Code	Motor voltage (V)	KW (HP)	Max. cutting length	Max. cutting depth	Water tub capacity (L/Gal.)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)	Folding legs
1-PHASE	50 (3P) 60 (3P)	0103005200 0103005201	230	2,2 (3)	650 / h 20 (25,5" / h 0,78")	75 mm (3") with 300 mm. blade (12")	42 / 11	72,5 (160)	1250 x 850 x 620 (49,2" x 33,4" x 24,4")	Yes
1-PHASE	50 (3P) 60 (3P)	0103005202 0103005203	110							
3-PHASE	50 (4P) 50 (5P)	0103005204 0103005205	230 - 400	3 (4)		100 mm (4") with 350 mm. blade (14")				
3-PHASE	60 (4P)	0103005206	230 - 400							
1-PHASE U.S.A.	60 (3P)	0103005207	110	1,5 (2)						

VENUS MEKANO

MASONRY SAW



PRODUCT DESCRIPTION

The VENUS Meko range is conceived to straight or 45° angle cut all kind of construction materials, particularly those of larger size, quickly, precisely and with the highest quality.

Models VENUS 125, 150 and 200 include a handwheel operated feed with a toothed belt transmission. It also includes a self-cleaning system of the sliding rails based on polishing felts and a folding guard in all models.

90 % of this saw is made of stainless materials.

It is the perfect machine to use at the job site and in marble or granite workshops, etc.

Blade bore (mm / Inch)	Max blade Ø (mm / Inch)	Blade included
25,4 / 1"	300 / 350 12" / 14"	Yes, 350 mm / 14"

RECOMMENDED BLADES



Marble
Ø 300, 350 mm
page 92



Granite
Ø 300, 350 mm
page 93



Keramax
Ø 300, 350 mm
page 93



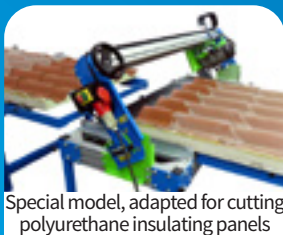
Gres continuous rim
Ø 300, 350 mm
page 93



Abrasive materials
Ø 300, 350 mm
page 94



Combi
Ø 300, 350 mm
page 95



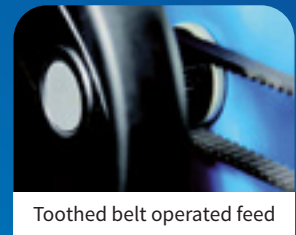
Special model, adapted for cutting polyurethane insulating panels



45° Tilting bridge



Folding guard designed to guarantee maximum cutting height



Toothed belt operated feed



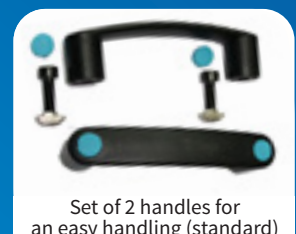
Soporte lateral con pisadores (Optional)



Set of 2 clamps for up Side support with two clamps (Optional)



Self-cleaning felts in the rail



Set of 2 handles for an easy handling (standard)

Venus 85 MEKANO

Phase	Frequency Hz (plug pins)	Code	Motor voltage (V)	KW (HP)	Max. cutting length	Max. cutting depth	Water tub capacity (L/Gal.)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
1-PHASE	50 (3P) 60 (3P)	0103002000 0103002001	230	2,2 (3)	850 / h20 (33,4" / h0,78")	75 / 100 (3"/4")	42 / 11	84 (185)	1540 x 870 x 950 (60,6" x 34,2" x 37,4")
1-PHASE	50 (3P) 60 (3P)	0103002002 0103002003	110						
3-PHASE	50 (4P) 50 (5P)	0103002004 0103002005	230 - 400	3 (4)					
3-PHASE	60 (4P)	0103002006	230 - 240						

Venus 125 MEKANO

Phase	Frequency Hz (plug pins)	Code	Motor voltage (V)	KW (HP)	Max. cutting length	Max. cutting depth	Water tub capacity (L/Gal.)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
1-PHASE	50 (3P) 60 (3P)	0103003000 0103003001	230	2,2 (3)	1250 / h20 (49,2" / h0,78")	75 / 100 (3"/4")	42 / 11	102,7 (227)	1960 x 870 x 950 (77" x 34,2" x 37,4")
1-PHASE	50 (3P) 60 (3P)	0103003002 0103003003	110						
3-PHASE	50 (4P) 50 (5P)	0103003004 0103003005	230 - 400	3 (4)					
3-PHASE	60 (4P)	0103003006	230 - 400						

Venus 150 MEKANO

Phase	Frequency Hz (plug pins)	Code	Motor voltage (V)	KW (HP)	Max. cutting length	Max. cutting depth	Water tub capacity (L/Gal.)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
1-PHASE	50 (3P) 60 (3P)	0103004000 0103004001	230	2,2 (3)	1500 / h20 (59" / h0,78")	75 / 100 (3"/4")	42 / 11	112,7 (248)	2260 x 870 x 950 (89" x 34,2" x 37,4")
1-PHASE	50 (3P) 60 (3P)	0103004002 0103004003	110						
3-PHASE	50 (4P) 50 (5P)	0103004004 0103004005	230 / 400	3 (4)					
3-PHASE	60 (4P)	0103004006	230						

Venus 200 MEKANO

Phase	Frequency Hz (plug pins)	Code	Motor voltage (V)	KW (HP)	Max. cutting length	Max. cutting depth	Water tub capacity (L/Gal.)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
1-PHASE	50 (3P)	0103007000 0103007001	230	2,2 (3)	2000 / h20 (78" / h0,78")	75 / 100 (3"/4")	42 / 11	135 (297)	2800 x 870 x 950 (110" x 34,2" x 37,4")
1-PHASE	50 (3P)	0103007002 0103007003	110	2,2 (3)					
3-PHASE	50 (4P) 50 (5P)	0103007004 0103007005	230 / 400	3 (4)					
3-PHASE	60 (4P)	0103007006	230 / 400	3 (4)					

PERLANATO

PORTABLE TILE CUTTING SAW



PRODUCT DESCRIPTION

- A machine especially conceived to cut ceramic and porcelanic slabs.
- Light weight and portable, easy to move to the work site.
- Extended durability in heavy duty conditions.
- This range runs with Ø200, Ø230 and Ø250 mm. blades, achieving a precise and straight cut on hard porcelain slabs.
- Foldable legs.
- Optional wheels.
- Optional set of side support with two clamps, to immobilize the slab during cutting.
- Mitre saw cut.

PERLANATO

Model	Blade bore (mm / Inch)	Max blade Ø (mm / Inch)	Blade included
Perlanato 200	22,2 mm 0,87"	200 8"	Yes, 200 mm 8"
Perlanato 250	22,2 mm 0,87"	230 - 250 9" - 10"	Yes, 250 mm 10"

RECOMMENDED BLADES



Keramax
Ø 200, 230,
250 mm
page 93



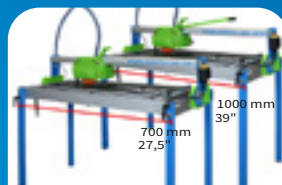
Gres continuous rim
Ø 200, 230, 250 mm
page 93



Bevel cut
Ø 200, 250
mm
page 94



Adjustable tilting bridge - head for bevel cutting from 45° to 90°



Two cutting lengths
700 mm 27,5" / 1000 mm 39"



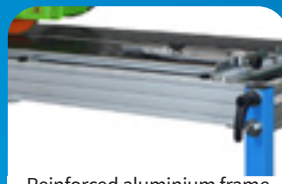
Side support with two clamps, improves precision while cutting (optional)



Precise sliding system, with bearings placed at 30° and 90° angle



Ø200 or 250 mm blade included depending on model



Reinforced aluminium frame and galvanized water tub: light, handy and rust free



Set of wheels (optional)



Folding legs for an easier storage and transportation



CUTTING SHAPES POSSIBILITIES



Diagonal



Mire cut (45°)



Straight cut



Straight cut

PERLANATO 200 700

Phase	Frequency Hz (plug pins)	Code	Motor voltage (V)	KW (HP)	Max. cutting length	Max. cutting depth	Water tub capacity (L/Gal.)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)	Folding legs
1-PHASE	50 (2P) 60 (2P)	0102001100 0102001101	230	1,1 (1,5)	700 / h 20 (27,5" / h 0,78")	40 (1,5")	32 / 8,4	50 (110)	1150 x 580 x 415 (45,2" x 22,8" x 16,3")	Yes
1-PHASE	50 (2P) 60 (2P)	0102001102 0102001103	110							

PERLANATO 200 1000

Phase	Frequency Hz (plug pins)	Code	Motor voltage (V)	KW (HP)	Max. cutting length	Max. cutting depth	Water tub capacity (L/Gal.)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)	Folding legs
1-PHASE	50 (2P) 60 (2P)	0102002100 0102002101	230	1,1 (1,5)	1000 / h 20 (39,3" / h 0,78")	40 (1,5")	42 / 11	57 (126)	1450 x 580 x 415 (57" x 22,8" x 16,3")	Yes
1-PHASE	50 (2P) 60 (2P)	0102002102 0102002103	110							

PERLANATO 250 700

Phase	Frequency Hz (plug pins)	Code	Motor voltage (V)	KW (HP)	Max. cutting length	Max. cutting depth	Water tub capacity (L/Gal.)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)	Folding legs
1-PHASE	50 (2P) 60 (2P)	0102001300 0102001301	230	1,1 (1,5)	700 / h 20 (27,5" / h 0,78")	53-63 (2"-2,4")	32 / 8,4	50 (110)	1150 x 580 x 415 (45,2" x 22,8" x 16,3")	Yes
1-PHASE	50 (2P) 60 (2P)	0102001302 0102001303	110							

PERLANATO 250 1000

Phase	Frequency Hz (plug pins)	Code	Motor voltage (V)	KW (HP)	Max. cutting length	Max. cutting depth	Water tub capacity (L/Gal.)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)	Folding legs
1-PHASE	50 (2P) 60 (2P)	0102002300 0102002301	230	1,1 (1,5)	1000 / h 20 (39,3" / h 0,78")	53-63 (2"-2,4")	42 / 11	57 (126)	1450 x 580 x 415 (57" x 22,8" x 16,3")	Yes
1-PHASE	50 (2P) 60 (2P)	0102002302 0102002303	110							
1-PHASE U.S.A.	60 (3P)	0102002304	110							



KERAMAX

PORTABLE TILE CUTTING SAW FOR LARGE SIZED SLABS



PRODUCT DESCRIPTION

- 1500 W motor.
- 1300 mm cutting length
- Operates with Ø 250 mm blades for a precise cut.
- New cooling system, with adjustable nozzles.
- Anchoring system to immobilize slab while cutting.
- Easy bench removal (no tools needed).
- Foldable legs with leveling system.
- Front and rear handles.
- Rear wheels.

KERAMAX

Model	Blade bore (mm / Inch)	Max blade Ø (mm / Inch)	Blade included
Keramax 130	25,4 mm 1"	250 10"	Yes, 250 mm 10"
Keramax 160	25,4 mm 1"	250 10"	Yes, 250 mm 10"

RECOMMENDED BLADES



Keramax
Ø 250 mm
page 93



Gres continuous rim
Ø 250 mm
page 93



Bevel cut
Ø 250 mm
page 94



Cutting length 1300 and 1600 mm



Foldable support arms



Ø 250 mm blade (included)



Adaptable nozzles



Set of 2 adjustable clamps



Wheels and handles



4 clamps set



Foldaway adjustable legs



KERAMAX 130

Phase	Frequency Hz (plug pins)	Code	Motor voltage (V)	KW (HP)	Max. cutting length	Water tub capacity (L/Gal.)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)	Folding legs
1-PHASE	50 (2P)	0102003000	230						
1-PHASE	50 (3P)	0102003003	110	1,5 (2)	1300 mm (51")	49 / 13	90 (148,4)	1990 x 612 x 1300 (74,8" x 24" x 51")	Yes
1-PHASE U.S.A.	60 (3P)	0102003002	110						

KERAMAX 160

Phase	Frequency Hz (plug pins)	Code	Motor voltage (V)	KW (HP)	Max. cutting length	Water tub capacity (L/Gal.)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)	Folding legs
1-PHASE	50 (2P)	0102004000	230						
1-PHASE	50 (3P)	0102004003	110	1,5 (2)	1600 mm (63")	49 / 13	90 (148,4)	1990 x 612 x 1300 (74,8" x 24" x 51")	Yes
1-PHASE U.S.A.	60 (3P)	0102004002	120						

CUTTING CAPACITY KERAMAX

Model	Max. cutting depth	cutting depth to 90°	cutting depth to 45°
Keramax 130	53-63 mm (2"-2,4")	50 mm / 2"	40 mm (1,57")
Keramax 160	53-63 mm (2"-2,4")	50 mm / 2"	40 mm (1,57")

HANDY 350

PORTABLE DRY CUTTING BLOCK SAW



PRODUCT DESCRIPTION

* The HANDY cutting block saw is rugged and lightweight, conceived for heavy duty dry cutting.

An efficient dust removal system, vacuum cleaner assisted, absorbs up to 90% of the dust raised by the cutting.

It also fits a water cooling system that can be used to wet cut.

Blade bore (mm / Inch)	Max blade Ø (mm / Inch)	Blade included
25,4 / 1"	350 / 14"	Yes

RECOMMENDED BLADES



General purpose
Ø 350 mm
page 92



Abrasive materials
Ø 350 mm
page 94



Combi
Ø 350 mm
page 95



Granite
Ø 350 mm
page 93



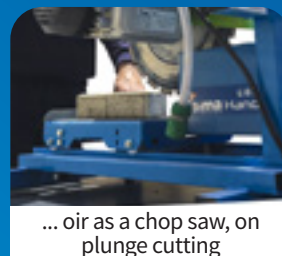
Hard concrete
Ø 350 mm
page 95



Working bench (optional)



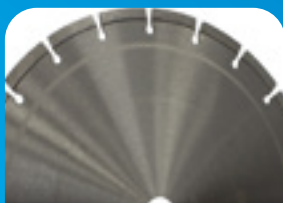
Can be operated by using the cart....



... or as a chop saw, on plunge cutting



Wet water system to use it for wet cutting



Ø 350 mm blade included



Dust absorption nozzle



High resistance polycarbonate guard



2.2 Kw (3 H.P.) motor



DRY CUT



WET CUT



Phase	Frequency Hz (plug pins)	Code	Motor voltage (V)	KW (HP)	Max. cutting length	Max. cutting depth	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)	Plug
1-PHASE	50 (3P) 60 (3P)	0103008100 0103008101	230	2,2 (3)	270 / h 50 (10,6" / 2")	100 (4")	38 (83,7)	810 x 540 x 560 (31,9" x 21,3" x 22")	3 pins Schuko
1-PHASE	50 (3P)	0103008102	110						


VENUS Polypanel

SANDWICH PANEL CUTTING SAW



PRODUCT DESCRIPTION

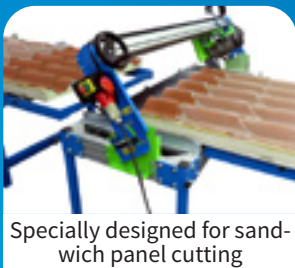
The VENUS POLYPANEL provides a perfect cutting on a variety of Structural Insulated Panels (SIP panels), including Sandwich panels and Rock Wool panels.

It has been conceived to operate the most common panel sizes in the market.



VENUS POLYPANEL

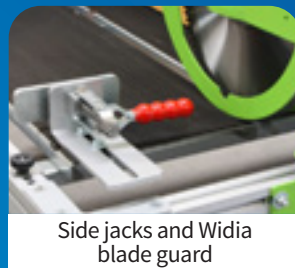
Model	Blade bore (mm / Inch)	Max blade Ø (mm / Inch)	Blade included
125 Polypanel	25,4 mm 1"	300 - 350 12" - 14"	Yes, 350 mm 14"
125 / 200 Polypanel 400	25,4 mm 1"	400 16"	Yes, 400 mm 16"



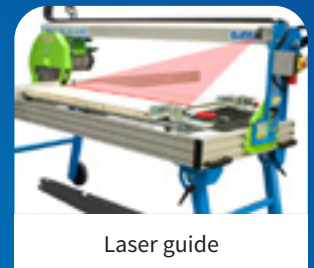
Specially designed for sandwich panel cutting



Strait and 45° cutting



Side jacks and Widia blade guard



Laser guide



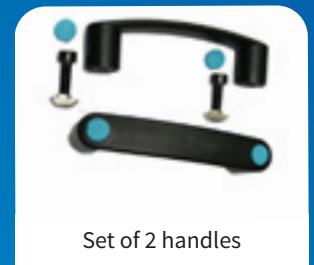
Ø350 mm Widia blade included



Dust collector and adaptor for vacuum cleaning (optional)



Roller bench (optional)



Set of 2 handles



VENUS POLYPANEL 125

Phase	Frequency Hz (plug pins)	Code	Motor voltage (V)	KW (HP)	Max. cutting length mm (Inch)	Max. cutting depth mm (Inch)	Folding legs	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
1-PHASE	50 (3P) 60 (3P)	0103003100 0103003101	230	2,2 (3)	1250 / h20 (49,21" / h0,78")	100 (3" - 4")	Yes	117 (257)	1960 x 870 x 950 (77" x 34,2" x 37,4")
1-PHASE	50 (3P) 60 (3P)	0103003102 0103003103	110						
3-PHASE	50 (4P) 50 (5P)	0103003104 0103003105	230 - 400	3 (4)					
3-PHASE	60 (4P)	0103003106	230 - 400						
3-PHASE inverter	50 (4P) 50 (5P)	0103003204 0103003205	230 - 400						

VENUS POLYPANEL 125 - 400

Phase	Frequency Hz (plug pins)	Code	Motor voltage (V)	KW (HP)	Max. cutting length mm (Inch)	Max. cutting depth mm (Inch)	Folding legs	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
3-PHASE	50 (4P)	0103003106	230 - 400	3 (4)	1250 / h20 (49,21" / h0,78")	125 (5")	Yes	135 (298)	1960 x 870 x 950 (77" x 34,2" x 37,4")

VENUS POLYPANEL 200 - 400

Phase	Frequency Hz (plug pins)	Code	Motor voltage (V)	KW (HP)	Max. cutting length mm (Inch)	Max. cutting depth mm (Inch)	Folding legs	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
1-PHASE	50 (3P)	0103007200	230	2,2 (3)	1250 / h20 (49,21" / h0,78")	125 (5")	Yes	135 (298)	2800 x 980 x 950 (110,2" x 38,6" x 37,4")

ELITE 123

PORTABLE TILE CUTTING SAWS



PRODUCT DESCRIPTION

ELITE cutter is the perfect solution for indoors cutting, fitting an anti-dust system adaptable to any home or industrial vacuum cleaner as long as it is fitted with a water filter.

Removes 95% of the cutting dust.

Performs 45° cut (Mitre), grooves, slots, etc.

Blade bore (mm / Inch)	Max blade Ø (mm / Inch)	Angle grinder included
22,2 / 0,87"	125 / 5"	Yes

RECOMMENDED BLADES



Keramax
Ø 125 mm
page 89



Gres continuous rim
Ø 125 mm
page 88



Porcelane extrathin
Ø 125 mm
page 89



Ø 125 mm Blade (included)



Conection for Vacuum cleaner



Tilting angle grinder head



Compatible with either home or industrial vacuum cleaners



Folding support arms



Tipping proof system

Combining the head plunge movement and the linear guide allows performing slots, drip grooves, holes, etc. with great finishings



USA*

Code	10101501	10101508*
Motor voltage (V)	230	120
Ferquency Hz	50-60 (3P)	60 (3P)
kW (Hp)	1,3 (1,7)	1,5 (2)
Maximum cutting length mm (Inch)	1300 mm (51")	
Maximum cutting depth at 1 pass mm (Inch)	22 mm (0,87")	
Maximum cutting depth at 2 pass mm (Inch)	35 mm (1,38")	
Cutting depth at 45° mm (inch)	20 mm (0,79")	
L _{WA} dB (A)	102	
Net weight Kg. (lbs.)	33,2 kg (77,55 lbs.)	
Medidas de Packaging L x W x H mm (Inch)	1700 x 560 x 420 66,9" x 22" x 16,5"	

EUROTRON

WOOD CUTTING SAW

**New
EUROTRON
SMART
350**



In accordance to the new
ISO EN 19085 10:2018
In force from 2022

Model	Blade bore (mm / Inch)	Max blade Ø (mm / Inch)	Blade included
SMART 350	30 mm 1,1"	350 14"	Yes 350 / 14"
315 XL	30 mm 1,1"	350 14"	Yes 350 / 14"

1 Ø 350 mm Widia blade

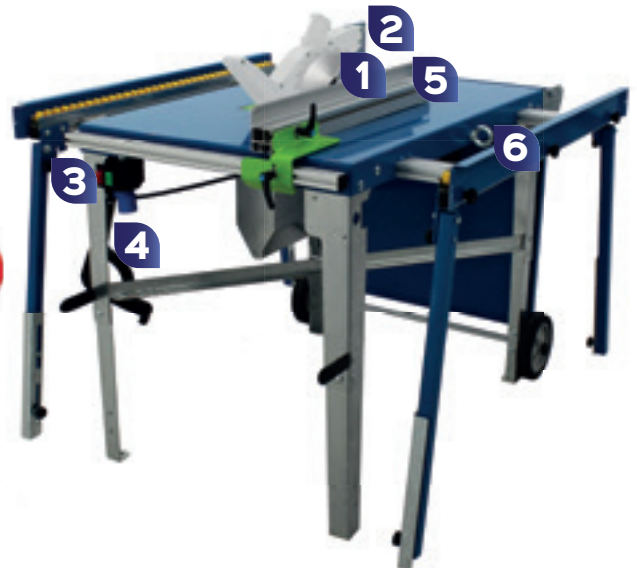
2 Guard fitted with dust connection to vacuum cleaner

3 Accidental start proof switch

4 Schuko switch with phase swap

5 Full stop in less than 10 Drynds

6 Lifting eyes



EUROTRON SMART 350

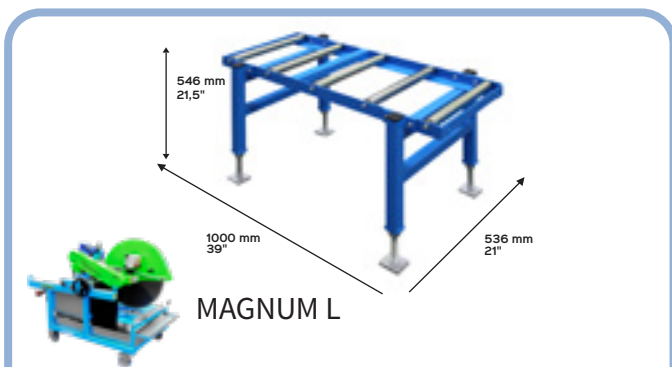
Phase	Frequency Hz (plug pins)	Code	Motor voltage (V)	KW (HP)	Max. cutting depth mm (pulg)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
1-PHASE	50 (3P) 60 (3P)	10252520 10252521	230	2,2 (3)	120 (4,7)	64 (141)	1200 x 800 x 640 mm (47.2 x 31.5 x 25.2)
1-PHASE	60 (3P)	10252523	110				
3-PHASE	50 (4P) 50 (5P)	10252524 10252525	230 - 400	3 (4)			

EUROTRON 315 XL

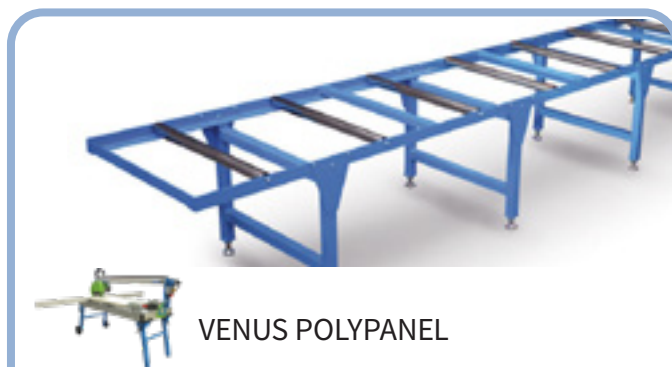
Phase	Frequency Hz (plug pins)	Code	Motor voltage (V)	KW (HP)	Max. cutting depth mm (pulg)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
1-PHASE	50 (3P) 60 (3P)	10252500 10252501	230	2,2 (3)	83 (3,2")	56 (123,5)	1260 x 800 x 510 mm (49,6" x 31,4" x 20")
1-PHASE	60 (3P)	10252503	110				
3-PHASE	50 (4P) 50 (5P)	10252504 10252505	230 - 400	3 (4)			
3-PHASE	60 (4P)	10252506	230 - 400				

ACCESSORIES

OPTIONAL



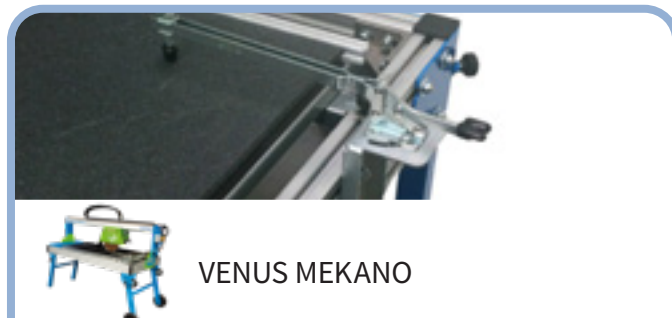
Roller supply feAed
R655280000



Four rollers feeding bench
R807600000



Set of side support with 2 clamps
R103058600



Set of 2 clamps for up to 5 cm. high pieces
R103058500



Set of Folding legs and wheels
R103059014



Set of handles (4 handles)
R0217127



Laser guide type II
Bridge saws: R103059911
Circular wood saw: R102525209900



Digital inclinometer
R-0341020



PERLANATO

Set of side support with 2 clamps

R102028500



HANDY

Handy legs

R103089310



HANDY

Transport kit: 2 handles + 2 wheels

R103089914



ELITE

Set folding legs

R101015051500



PERLANATO

Set of wheels (2 wheels)

R102028700



EUROTRON
SMART

Side extension

R102525208500



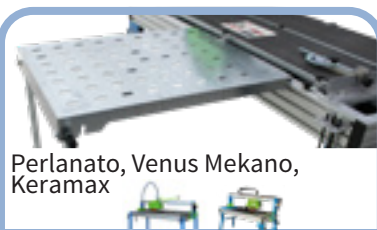
EUROTRON 315 & 350

TCT WIDIA blade 315 - 30 Z 28

R-8001315

TCT WIDIA blade 350 - 30 Z 28

R-8001351



Perlanato, Venus Mekano,
Keramax

**Side service folding
table for bridge saws**

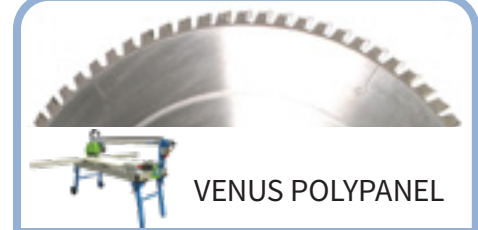
R102028501



PERLANATO, VENUS MEKANO,
KERAMAX

**Set of 2 side service folding
tables for bridge
saws**

R102028502



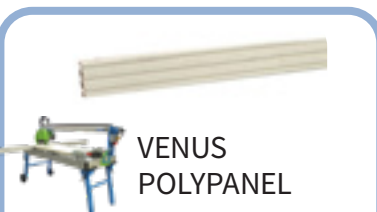
VENUS POLYPANEL

TCT WIDIA blade 350 - 25,4 Z 100

R-8001354

TCT WIDIA blade 400 - 25,4 Z 100

R-8001355



VENUS
POLYPANEL

1 m aluminium rulers

R103059903



VENUS
POLYPANEL

Dust collection carter

R103059905



1-PHASES
MACHINES

**3 metres aerial hose, with
2 poles + earth + home plug**

R103061500





4

PAVEMENT TREATMENT

COBRA Pro

COBRA Mekano

COBRA 45/60

TRENCHER 60/70

HALCÓN

Accessories

COBRA Pro

FLOOR SAWS



PRODUCT DESCRIPTION

- Light, fast and versatile. Perfect for rental Companies.
- Can fit 600, 350 and 400 mm. Ø blades.
- Superior cutting depth vs. other machines in the market for the same blade diameter.
- Direct power transmission, maximizing the motor power.
- Easy adjustment of the cutting depth, with gas dampers.
- Rear axle adjustable sidewise, allowing cutting close to walls, kerbs, columns, etc.

COBRA Pro

Model	Blade bore (mm / Inch)	Max blade Ø (mm / Inch)	Blade included
Cobra 30 Pro	25,4 mm 1"	300 - 350 12" - 14"	No
Cobra 35 Pro	25,4 mm 1"	350 - 400 14" - 16"	No

RECOMMENDED BLADES



General purpose
Ø 350 mm
page 92



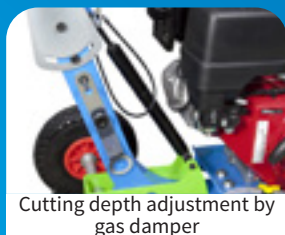
Hard concrete
Ø 350 mm
page 95



Green concrete
Ø 350 mm
page 95



Asphalt
Ø 350 mm
page 96



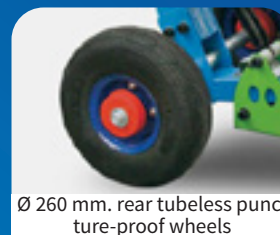
Cutting depth adjustment by gas damper



Adjustable handle in height



Cutting depth control trigger



Ø 260 mm. rear tubeless puncture-proof wheels



Poly-V belt transmission: more efficient and resistant



Front handle for an easy lifting



Cutting depth indicator



20 litres water tank



CUTTING CAPACITY COBRA PRO

Blade diameter	Cutting depth
300 mm / 12"	105 mm / 4,13"
350 mm / 14"	135 mm / 5,31"
400 mm / 16"	160 mm / 6,3"

Steps in conventional cutters	Total time 32 min	Steps in COBRA 30 / 35 PRO	Total time 5 min
Removing the belts guard	1 min.	Removing the belts guard	1 min.
Pressure wash machine to remove dried dirt from the motor screws to be able to untighten	5 min.	Not required	-
Loosen the bolts of the base of the motor. Due to the tightness of the area where the bolts are loosened this has to be done with quarter turns of a wrench.	15 min.	Loosen the belt tightener pulley bolts	1 min.
Tighten and align the belts	5 min.	Tighten the belt with no need to align	1 min.
Tighten bolts	5 min.	Tighten the belt tightener pulley bolts	1 min.
Mounting the belts guard	1 min.	Mounting the belts guard	1 min.

COBRA 30 PRO

Code	Motor model	Motor type	Motor starter	HP	Water tank capacity (L. / Gal.)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
0202001103	Honda GX200	Gasoline 4 S	Recoil	5,8	20 / 5,2	61 (134)	1080 x 730 x 900 (42,5" x 28,7" x 35,4")
0202001104	Kohler CH270			7			

COBRA 35 PRO

Code	Motor model	Motor type	Motor starter	HP	Water tank capacity (L. / Gal.)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
0202001100	Honda GX270	Gasoline 4 S	Recoil	8,5	20 / 5,2	71,6 (158)	1080 x 730 x 900 (42,5" x 28,7" x 35,4")
0202001102	Kohler CH395	Gasoline 4 S	Recoil	9,5			
0202001105	50 Hz (5P)	3-Phase 230 - 400	Switch	4 Kw / 5,5			

COBRA Mekano

FLOOR SAWS



PRODUCT DESCRIPTION

- Light, fast and versatile. Perfect for rental Companies.
- Can fit 600, 350 and 400 mm. and 500 Ø blades.
- Superior cutting depth vs. other machines in the market for the same blade diameter.
- Easy adjustment of the cutting depth, with gas dampers.
- Rear axle adjustable sidewise, allowing cutting close to walls, kerbs, columns, etc.
- Low maintenance.

COBRA Mekano

Model	Blade bore (mm / Inch)	Max blade Ø (mm / Inch)	Blade included
Cobra 40 Mekano	25,4 mm 1"	350 - 400 14" - 16"	No
Cobra 50 Mekano	25,4 mm 1"	450 - 500 18" - 20"	No

RECOMMENDED BLADES



General purpose

Ø 350, 400, 450, 500 mm
page 92



Reinforced and hard concrete

Ø 350, 400, 450, 500 mm
page 95



Asphalt

Ø 350, 400, 450 mm
page 96



Super Asphalt

Ø 350, 400, 450, 500 mm
page 96



Cutting depth regulation



Cutting depth regulated by pneumatic gas shock absorber



Poly V transmission, improves grip and increase power transmission



Adjustable handle for better ergonomics



Front handle for an easy lifting



Rear tubeless puncture-proof wheels and adjustable axle



Lifting bracket



Protection guard for the gears and the blade shaft



CUTTING CAPACITY COBRA PRO

Blade diameter	Cutting depth
350 mm / 14"	107 mm / 4,21"
400 mm / 16"	132 mm / 5,19"
450 mm / 18"	157 mm / 6,14"
500 mm / 20"	182 mm / 7,16"

COBRA 40 Mekanano

Code	Motor model	Motor type	Motor starter	HP	Water tank capacity (L. / Gal.)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
0202001000	Honda GX390	Gasoline 4 S	Recoil	11,7	20 / 5,2	89 (196,2)	1080 x 730 x 900 (42,5" x 28,7" x 35,4")
0202001002	Kohler CH440 CYC	Gasoline 4 S	Recoil	14			
0202001003	Honda GX390 CYC	Gasoline 4 S	Recoil	11,7			

COBRA 50 Mekanano

Code	Motor model	Motor type	Motor starter	HP	Water tank capacity (L. / Gal.)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
0202004000	Honda GX390	Gasoline 4 S	Recoil	11,7	20 / 5,2	90 (198,4)	1080 x 730 x 900 (42,5" x 28,7" x 35,4")
0202004002	Kohler CH440 CYC	Gasoline 4 S	Recoil	14			
0202004003	Honda GX390 CYC	Gasoline 4 S	Recoil	11,7			
0202004010	50 (4P)	3-PHASE / 230 - 400	Electronic	5,5 (7,5)			
0202004005	50 (5P)	3-PHASE / 230 - 400	Electronic	5,5 (7,5)			

COBRA 45/60

FLOOR SAWS



PRODUCT DESCRIPTION

- Rugged and durable in heavy duty works. Perfect for rental Companies.
- Powerful, robust and reliable.
- Manual feed (Cobra 45) or hand wheel operated feed (cobra 60).
- Cutting depth control by trapezoidal thread shaft on a cast iron housing mounted gear.
- Resistant chassis to perform works requiring high performance and effort.



COBRA 45/60

Model	Blade bore (mm / Inch)	Max blade Ø (mm / Inch)	Blade included
Cobra 45	25,4 mm 1"	450 - 500 18" - 20"	No
Cobra 60	25,4 mm 1"	600 24"	No

RECOMMENDED BLADES



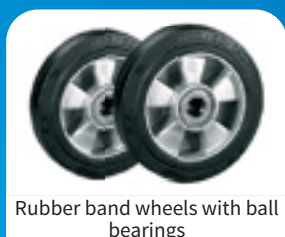
General purpose
Ø 450, 500, 600 mm
page 92

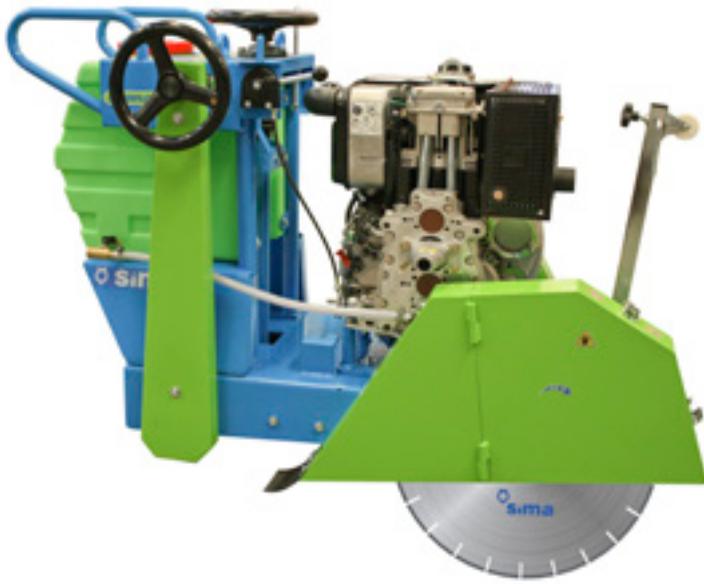


Hard or green concrete
Ø 450, 500, 600 mm
page 95



Super Asphalt
Ø 450, 500, 600 mm
page 96





CUTTING CAPACITY COBRA PRO

Blade diameter	Cutting depth
450 mm / 18"	145 mm / 5,7"
500 mm / 20"	170 mm / 6,7"
600 mm / 24"	200 mm / 7,8"

COBRA 45

Code	Motor model	Motor type	Motor starter	HP	Water tank capacity (L. / Gal.)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
2585	Honda GX390 CYC	Gasoline 4 S	Recoil	11,7	40 / 10,5	125,5 (276,6)	1180 x 670 x 1050 (46,4" x 26,3" x 41,3")
2587	Honda GX390	Gasoline 4 S	Recoil	11,7			
2567	Kohler CH440	Gasoline 4 S	Recoil	14			

COBRA 60

Code	Motor model	Motor type	Motor starter	HP	Net weight Kg (Lbs)	Water tank capacity (L. / Gal.)	Packaging dimensions LxWxH / mm (Inch)
2506	Honda GX390	Gasoline 4 S	Recoil	11,7	188 (414)	50 / 13,2	1480 x 830 x 1190 (58,2" x 32,6" x 46,8")
2507	Honda GX390 CYC	Gasoline 4 S	Recoil	11,7	188 (414)		
2508	Honda GX630	Gasoline 4 S	Electronic	20,8	234 (516)		
2517	Kohler CH 440	Gasoline 4 S	Recoil	14	188 (414)		
2518	Kohler CH 620	Gasoline 4 S	Recoil	19	188 (414)		
2516	50 (5P)	3-PHASE 230 / 400		7,5 (10,2)	206 (454)		

COBRA 60 VARIO

Code	Motor model	Motor type	Motor starter	HP	Net weight Kg (Lbs)	Water tank capacity (L. / Gal.)	Packaging dimensions LxWxH / mm (Inch)
2514	Honda GX630	Gasoline 4 S	Electronic	20,8	234 (516)	50 / 13,2	1480 x 830 x 1190 (58,2" x 32,6" x 46,8")

TRENCHER 60/70

THE SPECIALIZED TRENCH CUTTER



PRODUCT DESCRIPTION

- Special trench cutting machine, but also suitable for one side cutting.
- Robust, stable and technologically advanced.
- Double parallel cut with two blades or single cut (left or right), using just one blade.
- Cutting depth locking system.
- Oil level dipstick and oil drain plug.
- Parking brake.
- Hubcaps at front and rear wheels to protect the bearings.
- Adaptable to mount two blades on the same side to cut trenches for digital lines (5 cms., 10 cms. and 10 cms. wide).

TRENCHER

Blade bore (mm / Inch)	Max blade Ø (mm / Inch)	Blade included
25,4 mm 1"	400 mm 14"	No

RECOMMENDED BLADES



General purpose
Ø 400 mm
page 92



Hard or green concrete
Ø 400 mm
page 95



Asphalt
Ø 400 mm
page 96



Cutting depth operated by a Ø250 mm handwheel and a gas shock absorber



Engine assembled onto flexible rubber silent blocks to reduce vibrations



Blade shaft, bearings and transmission fully protected



Oil level stick and oil filling hose



Anti vibration height adaptable handle bar



Transmission by Poly-V belt, improves grip and power transmission



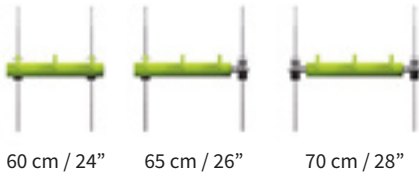
Dual blade cooling system



Regulation for three types of trench width (60, 65 and 70 cm)



CUTTING WIDTH POSSIBILITIES:



COMPARING SINGLE CUT / DOUBLE CUT OF A 100 m TRENCH ON ASPHALT

Machine	Metres cut	Waiting time	Machine downtime	Fuel consumption	Cutting time used
Cobra 45	200 m to run for cutting two parallel lines of 100 m	More than an hour of backhoe loader waiting time before start digging	16 water refills needed	Longer working time: higher fuel consumption	2 hours and 40 min
Trencher	Only 100 m to run for cutting two parallel lines	No waiting time	Only 12 water refills needed	Less working time: lower fuel consumption	2 hours and 5 min
	17,8 min. less to perform the two cuts	71 min. waiting time saving for the backhoe loader	17,2 min. saved in the cutting process	4% fuel saving.	35 min. less time for every 100 metres cut

TRENCHER 60/70

Code	Motor model	Motor type	Motor starter	HP	Net weight Kg (Lbs)	Water tank capacity (L. / Gal.)	Packaging dimensions LxWxH / mm (Inch)
2579	Honda GX390 CYC	Gasoline 4 S	Recoil	13	140 / 309	40 + 20 / 10,5 + 5,2	1500 x 840 x 1180 (59" x 33" x 46,4")
2580	Honda GX630	Gasoline 4 S	Electronic	23	161 / 355		
2581	Kohler CH620	Gasoline 4 S	Electronic	18	144 / 317		



PRODUCT DESCRIPTION

- Fast and efficient finishing concrete surfaces of any size.
- The upper stabilizing ring of the HALCON 65 allows the machine to operate very close to the walls, kerbs, etc.
- The HALCON wack behind trowels are fitted with a foldable arm, for an easier transportation and storage.
- The chrome coated protective ring, mounted on silent-blocks, allows an easier operation and cleaning.
- HALCON 125 has 5 arms for faster and improved finishing.

HALCÓN

Model	Ø blades (mm / Inch)	Blades titlt regulation	RPM blades	Blades/discs included
Halcón 65	600 mm 23,6"	Mechanic	130	4 finishing blades + floating disc
Halcón 95	900 mm 35,4"	Mechanic	130	4 finishing blades
Halcón 125	1200 mm 47,2"	Mechanic	130	5 finishing blades

BLADES AND FINISHING DISCS



Floating blades
page 70



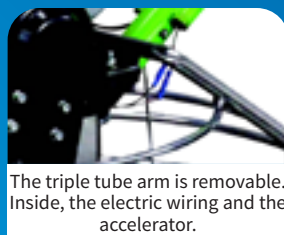
Finishing blades
page 70



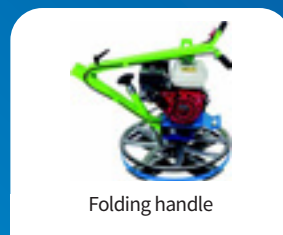
Floating disc
page 70



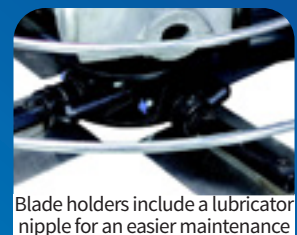
Die cast aluminium gearbox, with conical shaped bearings



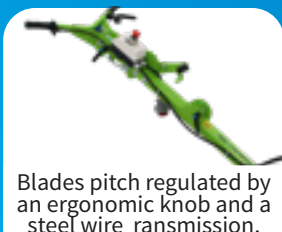
The triple tube arm is removable. Inside, the electric wiring and the accelerator.



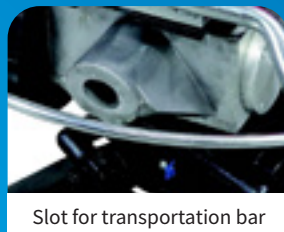
Folding handle



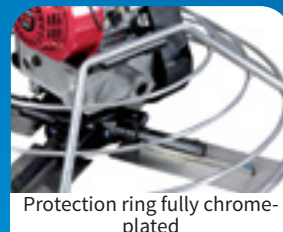
Blade holders include a lubricator nipple for an easier maintenance



Blades pitch regulated by an ergonomic knob and a steel wire ransmission.



Slot for transportation bar



Protection ring fully chrome-plated



Water tank included in HALCON 95 and HALCON 125



HALCÓN 65

Code	Motor type	Motor model (Hz/ Pins)	Motor starter	KW (HP)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
1886	Gasoline 4 S	Honda GX160	Recoil	3,6 (4,8)	62 (137)	910 x 680 x 850 (35,8" x 26,7" x 33,4")
1890	Gasoline 4 S	Kohler CH270	Recoil	5,2 (7)		
1887	1-PHASE / 230 V	50 - 60 (4P)	Electronic	1,5 (2)		
1888	3-PHASE / 230 - 400 V	50 (5P)	Electronic	1,5 (2)		
1889	3-PHASE / 230 - 400 V	50 (5P)	Electronic	5,2 (7)		

HALCÓN 95

Code	Motor type	Motor model (Hz/ Pins)	Motor starter	KW (HP)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
2032	Gasoline 4 S	Honda GX160	Recoil	3,6 (4,8)	81,2 (179)	1120 x 1100 x 950 (44" x 43,3" x 37,4")
2033		Kohler CH270		5,2 (7)		
2038		Honda GX 270		6,3 (8,5)		
2006	3-PHASE 230 - 400 V	50 (4P)	Electronic	2,2 (3)		
2007		50 (5P)		2,2 (3)		
2008		50 (4P)		4 (5,5)		
2009		50 (5P)		4 (5,5)		

HALCÓN 125

Code	Motor type	Motor model (Hz/ Pins)	Motor starter	KW (HP)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
2026	Gasoline 4 S	Honda GX270	Recoil	6,6 (9)	113 (249)	1335 x 1310 x 950 (52,5" x 51,5" x 37,4")
2027		Honda GX390		8,7 (11,7)		
2043		Kohler CH395		7,1 (9,5)		
2044		Kohler CH440		10,5 (14)		
2028	3-PHASE / 230 - 400 V	50 (4P)	Electronic	4 (5,5)		

HALCÓN DUPLO

RIDE ON TROWELS



PRODUCT DESCRIPTION

HALCON DUPLO is a double self-propelled power trowel with a mechanical transmission and Ø 90 cms. blades that rotate inwards.

Improved performance in floating or finishing green concrete surfaces.

It can fit both, floataing blades and floating discs.

Ø blades (mm / Inch)	Blades tilt regulation	RPM blades	Blades / Discs included
2 x 90 mm 2 x 36"	Mechanic	130	8 finishing blades

Code	2092	2093
Motor type	Gasoline 4 S	Gasoline 4 S
Motor model (Hz/Pins)	Honda CX630	Kohler CH620
Motor starter	Electronic	Electronic
Kw (Hp)	15,5 (20,8)	14,2 (19)
Net weight Kg. (lbs.)	312,4 (689)	
Medidas de Packaging L x W x H mm (mm / Inch)	2160 x 1260 x 1500 85" x 49,6" x 59"	

CAT 202

SCARIFIER

Milling width:
189 mm (7,4")

Milling output:
30 m²/h (323 ft²/h")

Suction hood gauge:
50 mm (2")



PRODUCT DESCRIPTION

- Perfect for milling, grinding, flaking, grooving etc. of small and medium surfaces of both, concrete and asphalt, or any other hard material.
- Milling depth adjustable with handwheel.
- High resistance six-tips milling cutters made of reinforced steel up to 58/60 HRC hardness.
- Quick milling drum lifting system, to avoid accidents and ease transportation.
- Fits a hood for vacuum cleaner connection.
- The POLYCAT version is fitted with a shaft to carry diamond blades, for anti-skid lines performing.

Model	Code	Motor type	Motor model (Hz)	Motor starter	KW (HP)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
CAT 202	9721	Gasoline 4 S	KOHLER CH270	Recoil	5,2 (7)	75 (165)	790 x 480 x 790 (31,1" x 18,8" x 31,1")
	9715		Honda GX200	Recoil	4,75 (6,5)	75 (165)	
	9717	1- PHASE / 230 V	50	Electronic	2,2 (3)	79 (174)	
	9718	3- PHASE / 230 - 400 V	50 - 60 (4P)	Electronic	2,2 (3)	79 (174)	
Polycat 202 Ranuradora	9722	Gasoline 4 S	KOHLER CH395	Recoil	7,1 (9,5)	75 (165)	

ACCESSORIES

Optional



Lines:
HALCÓN
COBRA

Hours and RPM counter
R-0325151



Lines:
CAT 202

Drum (80 milling cutters + 4 shafts)
R971537000



Lines:
HALCÓN Duplo

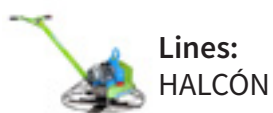
Transport trolley
R209199040



Lines:
CAT 202

Set of 20 six-tips milling cutters (for one shaft)
R971599500

BLADES AND FLOATING DISCS



Model	Floating blades	Finishing blades	Floating discs
Halcón 60	n.a.	R-0799049	R188199004
Halcón 65	n.a.	R-2032023	R-2032024
Halcón 90	R201099001	R201006000	R209199010
Halcón 95	R-0799067	R201006000	R-2032062
Halcón 120	R202099001	R202006000	n.a.
Halcón 125	R-0799073	R-0799070	R-0799071
Halcón Duplo	R-201099001	R201006000	R209199010



6-0-3 2004 102 m

sima

MADE IN GERMANY



5

AUXILIARY MACHINES

TRITÓN

DRILLS (CARDI)

B50 I / C50 IB

VC 1400

VC 3600



PRODUCT DESCRIPTION

- The new Triton crushes the debris generated during refurbishing work, reducing by 1/3 its original volume.
- Easy stack up and removal of the crushed debris (aggregate).
- If the resulting sand comes from free of gypsum, metal and wood debris, it can be re-used for mixing new mortar.
- Build on four wheels (puncture free), it fits into a domestic lift and through a house or apartment door.
- Three sieves available (included) to obtain the desired sand gauge.
- Three-Phase and Single-phase versions (this last one fitted with inverter), fully compatible with the domestic electric supply.



Portable machine, fitting in a residential lift



Reduces to 1/3 the volume of rubble



The single phase is fitted with inverter



Feeding gate measures 40 x 40 cms



Versatility: includes three sieves



The sand obtained can be used to produce mortar



Powerful 5.5 hp motor



Extra-resistance cobalt alloy hammers



Sieve	M ³ of processed rubble per hour
1,5 mm 0,06"	1 m ³ /hour 35 ft ³ /hour
10 mm 0,4"	1,5 m ³ /hour 53 ft ³ /hour
40 mm 1,6"	2,5 m ³ /hour 88 ft ³ /hour

REUSABLE SAND CAN BE USED TO PRODUCE MORTAR



Phase	Code	Motor voltage (V)	Frequency Hz (plug pins)	KW (HP)	Sieves included mm (Inch)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
1-PHASE	15501004	230 V	50-60 (3)	4 (5,5)	40 - 10 - 1 (1,6" - 0,4" - 0,06")	180 (397)	800 x 1200 x 1300 (31,5" x 47" x 51")
3-PHASE	15501000	400 V	50 (4)				
3-PHASE	15501002	400 V	50 (5)				

PRODUCT DESCRIPTION

The new Pulse-Tech drills by CARDI mean a new dimension in drillin speed and time saving.

1 Traditional wet drilling

You can still operate as you always have: wet drilling with the core drills that you are used to work with.

2 PULSE TECH wet drilling with micro-percussion

Using the same core drill that you normally use, select the PULSE position of the drill to see how the speed on wet drilling increases up to a 40%.

3 PULSE TECH dry drilling with micro-percussion

Use the especial CARDI dry drilling core drills to dry drill saving time up to a 40% (including installation, drilling and cleaning)... and without mud!

Use a vacuum cleaner to absorb the dust generated during the drilling process.

VC3600
(page 78)



DPH 3000 ME-17

DRILL



1-PHASE

Code	Motor voltage (V)	Frequency Hz (plug pins)	Kw (Hp)	No load RPM	On load RPM	No load Percussions	On load Percussions	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
9371	230	50 / 60	3 (3,65)	1.250	840	30.000	20.160	8,2 / 18	700 x 180 x 470 (27,6" x 7" x 18,5")

DPH 3500-SE

DRILL



RPM (1st speed)	RPM (2nd speed)	RPM (3rd speed)
no load/ 668	no load/ 1.096	no load/ 1.826
on load/ 438	on load/ 718	on load/ 1.196

Percussions (1st speed)	Percussions (2nd speed)	Percussions (3rd speed)
no load/ 16.030	no load/ 26.297	no load/ 43.828
on load/ 10.500	on load/ 17.221	on load/ 28.701

1-PHASE

Code	Motor voltage (V)	Frequency Hz (plug pins)	Kw (Hp)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
9381	230	50 / 60	3,4 (4,4)	15 / 33	680 x 310 x 260 (26,8" x 12,2" x 10,2")

HS 250

DRY CORE DRILLING SYSTEM PULSE 3000

Model	Code	Phase / Motor voltage (V)	Ferquency Hz	KW (HP)	Net weight Kg. (Lbs.)
HS 250	9370	1-PHASE / 230	50-60	3 (3,65)	20,2 (45,5)
Maximum carriage run		Maximum drilling diameter		Tilting angle	
577 mm (22,7")		202 mm (7,9") 252 mm (9,9")		0° - 45°	
RPM no load	RPM on load	Percussions no load	Percussions on load		
1.250	840	30.000	20.160		



HS 300

DRY CORE DRILLING SYSTEM PULSE 3500

Model	Code	Phase / Motor voltage (V)	Ferquency Hz	KW (HP)	Net weight Kg. (Lbs.)
HS 300	9380	1-PHASE / 230	50-60	3,4 (4,4)	39 (86)
Maximum carriage run		Maximum drilling diameter		Tilting angle	
680 mm (26,8")		252 mm (9,9") 500 mm (19,7")		0° - 45°	
RPM (1st speed)	RPM (2nd speed)	RPM (3rd speed)			
no load/ 668 on load/ 438	no load/ 1.096 on load/ 718	no load/ 1.826 on load/ 1.196			
Percussions (1st speed)	Percussions (2nd speed)	Percussions (3rd speed)			
no load/ 16.030 on load/ 10.500	no load/ 26.297 on load/ 17.221	no load/ 43.828 on load/ 28.701			



CARDI CORE DRILL STAND

LDP 220-2 and CDP 520



LDP 220-2 (CORE DRILL STAND FOR DPH 3000 ME)

Code	Maximum carriage run	Maximum drilling diameter	Tilting angle	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
9372	577 mm (22,7")	202 mm (7,9")	0° - 45°	12 (26,5)	1050 x 330 x 240 (41,3" x 13" x 9,4")

CDP 520 (CORE DRILL STAND FOR DPH 3500 SE)

Code	Maximum carriage run	Maximum drilling diameter	Tilting angle	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
9382	680 mm (26,7")	500 mm (19,7")	0° - 45°	24 (53)	1110 x 460 x 360 (43,7" x 18,1" x 14,1")

CDS

CARDI CONCRETE PULSE CORE BITS

PRODUCT DESCRIPTION

High performance core bits for percussion core drills.

Specially designed for CARDI core drills.

Can be used for both, wet and dry drilling.



Model	Code	Ø mm	Anchoring
CDS 052	C-7100052	52	1" 1/4
CDS 062	C-7100062	62	1" 1/4
CDS 082	C-7100082	82	1" 1/4
CDS 102	C-7100102	102	1" 1/4
CDS 112	C-7100112	112	1" 1/4
CDS 122	C-7100122	122	1" 1/4
CDS 127	C-7100127	127	1" 1/4
CDS 132	C-7100132	132	1" 1/4
CDS 152	C-7100152	152	1" 1/4
CDS 162	C-7100162	162	1" 1/4
CDS 182	C-7100182	182	1" 1/4
CDS 202	C-7100202	202	1" 1/4
CDS 252	C-7100252	252	1" 1/4



CORE DRILL STAND

PRODUCT DESCRIPTION

Anodised aluminium drill stand. Robust and with a 50 x 50 x 3 mm. central tube base.

Tipping-safe system in the base and the transportation wheels.

Compatible with vacuum pump.



1-PHASE				
Code	Gearbox	Drilling diameter	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
9350	Yes	452 mm (18")	24,6 (54,2)	1110 x 380 x 450 (43,7" x 15" x 17,7")



DUST AND LIQUID VACUUM CLEANER

PRODUCT DESCRIPTION

- Fitted with the needful accessories for each need.
- Inox stell tank.
- By-pass system to stop the liquid entering the motor: the liquid will be drained as the maximum tank level is reached.
- Three independent 1000 W motors that can operate individually.



Model	Phase	Code	Motor voltage (V)	Frequency Hz (plug pins)	Number of motors (W)	Tank capacity (L. / Gal.)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
B50 I	1-PHASE	8430	230	50	2 x 1000	77 / 20,3	24 / 52,9	690 x 600 x 1000 (27,1" x 23,6" x 39,3")
C50 IB	1-PHASE	8440	230	50	3 x 1000	77 / 20,3	30 / 66,1	690 x 600 x 1000 (27,1" x 23,6" x 39,3")


VC 1400

VACUUM CLEANER


PRODUCT DESCRIPTION

- Dry and wet vacuum cleaning.
- Self cleaning HEPA filter.
- Adjustable suction flow.
- Suction and blow options.
- Power cut sensor when the tank is full of water.
- Socket for plugging in tools up to 900 W.

Code	Motor power Kw (HP)	Voltage motor Freq. (hz)	Plug type	Suction flow (Ltr. / sec)	Tank capacity (L. / Gal.)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
8460	1,4 (1,9)	1-PHASE 230 V (50 hz)	Schuko	50	20 (5,2)	8 (16,2)	380 x 400 x 510 (14,9" x 15,74" x 20")


VC 3600

ASPIRADOR


PRODUCT DESCRIPTION

- 3 motors (1.200 W. x 3): 3600 W.
- Dry and wet vacuum options.
- Polyester HEPA filter.
- Jet pulse filter cleaning system.
- Removable tank.
- Air flow. 600 m3 per hour.
- Easy transportation. Wheels with locking brake.

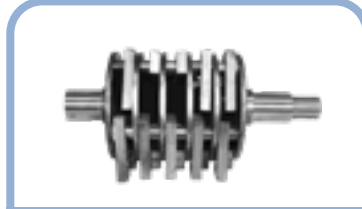
Code	Motor power Kw (HP)	Voltage motor Freq. (hz)	Plug type	Suction flow (Ltr. / sec)	Tank capacity (L. / Gal.)	Net weight Kg (Lbs)	Packaging dimensions LxWxH / mm (Inch)
8432	3,6 (3600)	1-PHASE 230 V (50/60hz)	Schuko	166	60 (15,85)	55 (121,25)	610 x 670 x 1325 (24" x 26,37" x 52,16")
8433	3,6 (3600)	1-PHASE 110 V (50/60hz)					

TRITON ACCESSORIES

OPTIONAL



Set of 20 cobalt hammers + spacers
R-2901111



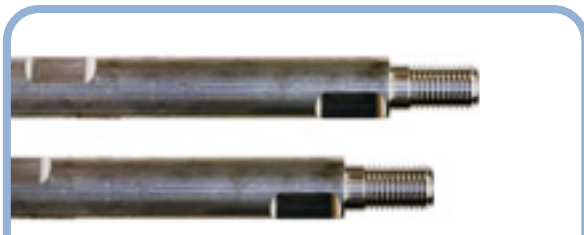
Set of 4 hammer shafts (without hammers)
R155010000106



Drum (without hammers)
R155010000101

CARDI ACCESSORIES

OPTIONAL



Core bits extension

Code	Length (mm)
R-2501900	200
R-2501901	300
R-2501902	500



Axial guiding device for hand-held drilling
R-2501905



Extension for anchor
R-2501908



Cardifacile quick bit unscrew device

Code	Features
R-2501904	Universal



Fixation screw for concrete

Code	Length
R-2501906	180 mm



Concrete fixing anchors

Code	Units
R-2501907	50





DIAMOND BLADES AND CORE DRILL BITS

DIAMOND BLADES

**ESPECIAL BLADES
(PREMIUM)**

GRINDING CUP WHEELS

DIAMOND CORE BITS



DIAMOND BLADES

DIAMOND BLADES AND CORE DRILL BITS

SIMA has fully renewed its diamond blades range.

Thanks to our experience in this market, the new SIMA DIAMANT blades fulfill our customers needs: an excellent quality, a complete range and a competitive price.

HI HIGH-TECH PRODUCTS

A diamond blade is made on a metal plate to which cutting segments are welded.

These segments are made by mixing different composites of metal powder (cobalt, tungstene, zinc, iron, etc), in a specific proportion, together with a blend of resins to bond the mix.

Then, diamonds of different size and hardness will be added in the concentration that better suits the material that the blade will be cutting.

This shows how important is the right choice of the blade is: this depends entirely on the material that the user chooses to cut. Furthermore, the best machine will not perform properly unless the blade choice is the right one.

For this reason, Sima consultants will give you the best advice on the relevant variables when choosing a blade for every specific cut.



Three types of segment welding:

1 | **Sinter welding:** this welding joint the segments to the blade body by high pressure and temperature.

2 | **Silver bracket welding:** a silver wire bracket is used to weld both parts, segment and body, in a protective air-pocket.

3 | **Laser welding:** is the safest and most accurate welding. It requires state of the art technology and a higher quality of the materials to weld: segments and blade body.



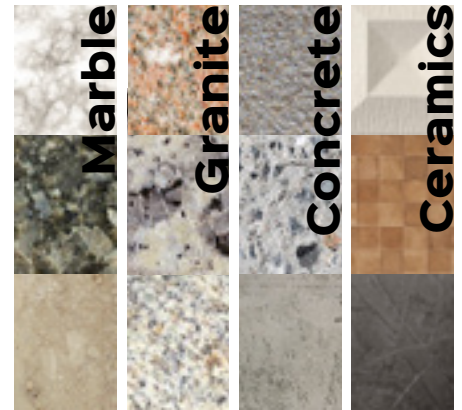
Choosing a diamond blade:

As a general rule, it can be said that cutting soft or very abrasive materials is a job for a hard metal and a lower diamonds concentration segment.

For a hard material, the segment needs to be made of a softer metal bond and smaller sized diamonds. But each case must be carefully analyzed to achieve the right balance for the best possible cut.

The same material may have a slightly different composition. For instance, marble, according to its origin (Carrara, Swedish, Vermont, etc.); or the granite (Alkai, Tonalite, Binary, Riolite, etc.); even concrete, depending on the aggregates used in its composition (sand, gravel, stone, recycled concrete, etc.)

As a result, even on namely the same material, the blade performance can be different depending on the its specific composition and the abrasiveness linked to it.



A cutting disc runs at a very high speed, friction heating the blade. Therefore, the blade quality must be high enough to resist the overheating while keeping the cutting capacity.

When dry cutting, it is better to perform short intermittent cuts, to let the blade cool down during the breaks. It is very important not to push the blade hard on the material to speed up the cutting: this may lead to reduce the blade life and performance and damage the machine motor.



Every disc performance is enhanced by cooling the blade in the cutting point.

On dry cutting, cooling is done by the air displaced by the blade rotation.

On wet cutting, cooling is done with liquid (typically water), which is more efficient and allows a faster cutting.

Blade types according to its segment:



A segmented disc is mostly recommended to cut hard materials, such as stone, granite, bricks, etc.) when a very high cutting precision is not essential and speed is.



A turbo disc improves the cutting precision in those materials that are subject to be chipped, providing a neater cut at a reasonable speed.

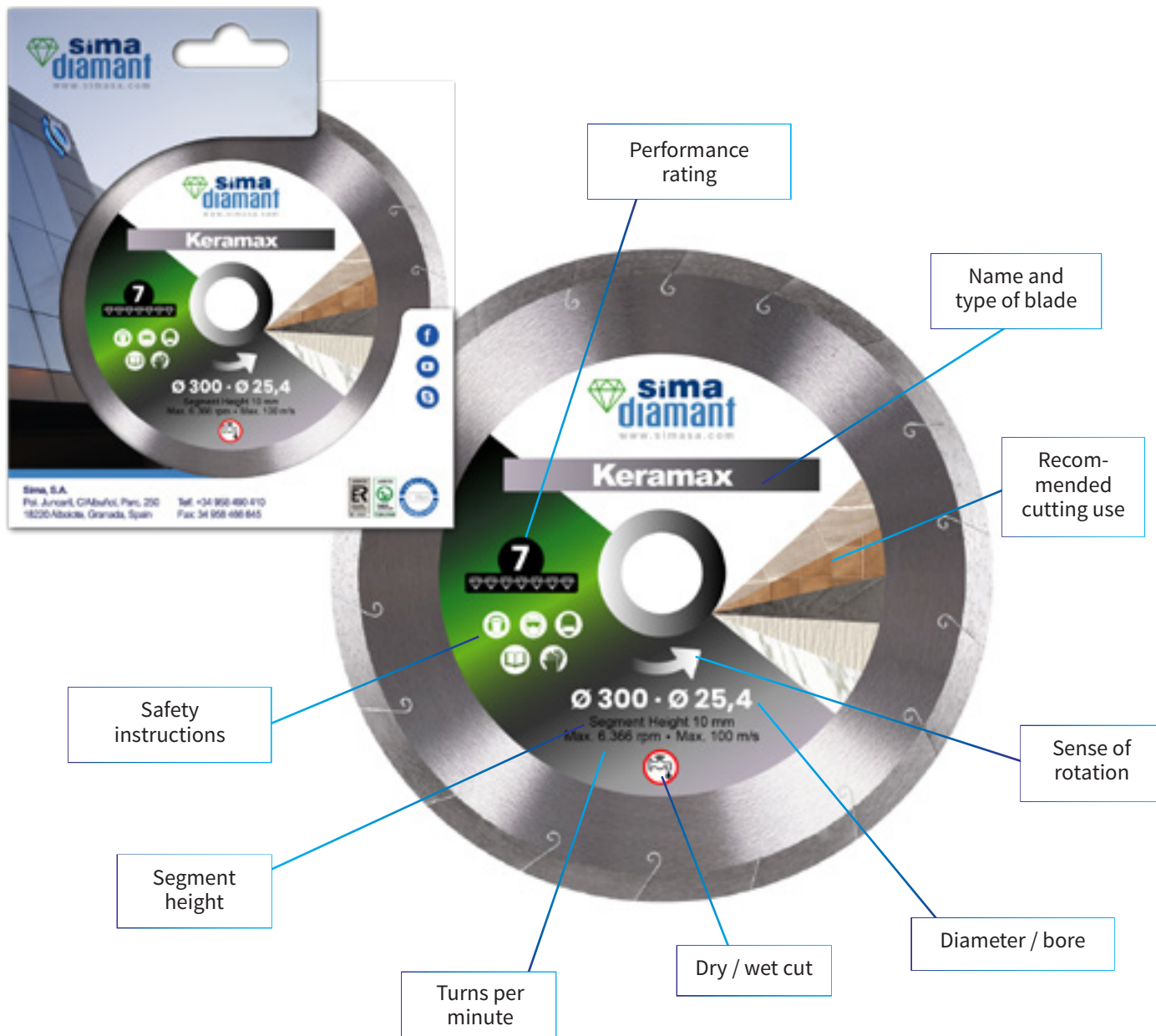


A continuous rim blade is perfect for ceramic materials requiring cutting accuracy and a very clean cut.



SIMA DIAMANT DIAMOND BLADES

INFORMATION ON THE LABEL



SIMA DIAMANT range has been designed to perform the most efficient cut on most of the materials typically used by a builder: Bricks, stone, granite, ceramics, tiles, etc.

A complete choice of segmented, turbo or continuous rim blades, depending on the material to cut and the machines that will be used for cutting.

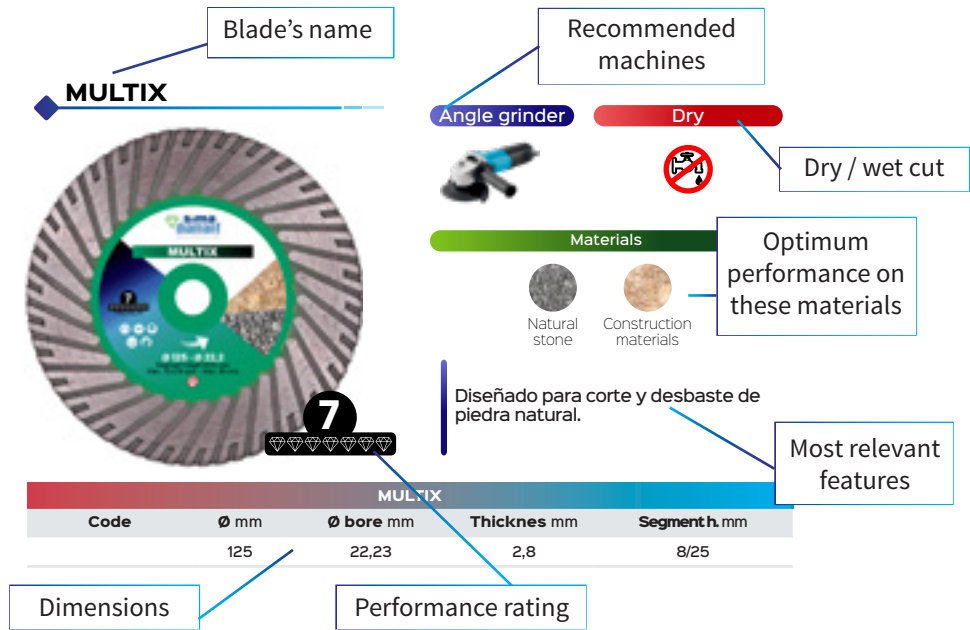
SIMA DIAMANT offers a range of highly specialised blades (**PREMIUM**), designed for special uses on a state-of-the-art technology: **THERMOS** (showing a red band when overheating occurs), **KATANA** (especially thin cut between two tiles), **MULTIX** (cutting and grinding with the same blade), **RESCUE** (sparkless cutting for firemen and rescue operations involving fire hazard), etc.



CATALOGUE INFORMATION

This catalogue pages contains essential information for each product, as explained in the image on the right.

The picture of each blade is shown along with the most relevant specifications, including recommended machine to use, type of cutting, materials, dimensions and a brief description of the product features.



Blade's name: MULTIX

Recommended machines: Angle grinder

Dry / wet cut: Dry

Optimum performance on these materials: Natural stone, Construction materials

Most relevant features: Diseñado para corte y desbaste de piedra natural.

MULTIX				
Code	Ø mm	Ø bore mm	Thicknes mm	Segment h.mm
	125	22,23	2,8	8/25

Dimensions: Ø mm, Ø bore mm, Thicknes mm, Segment h.mm

Performance rating: 7

PERFORMANCE

RATING

Sima Diamant only offers you high quality blades. However, depending on how demanding a job may be, we show for all our blades a performance rating, where the lowest level would be the best value for money and the highest would be the maximum quality.

None of Sima Diamant Blades perform below 3 on this 1-7 rating.

3



Value for money in long life - high speed cutting blades.

5

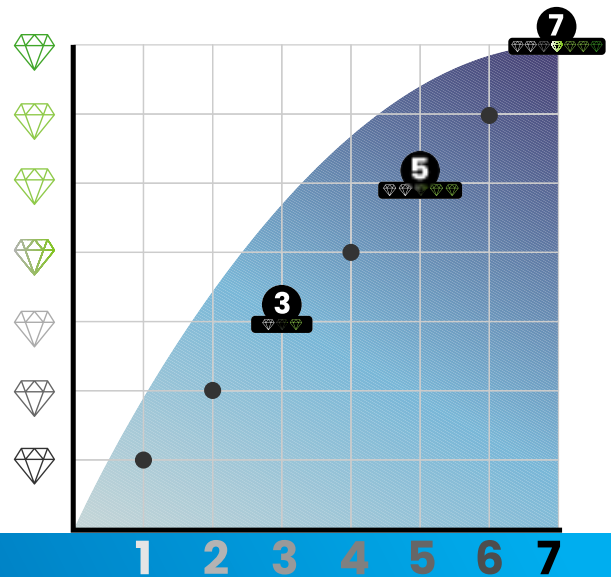


Best relation price / blade life in professional blades.

7



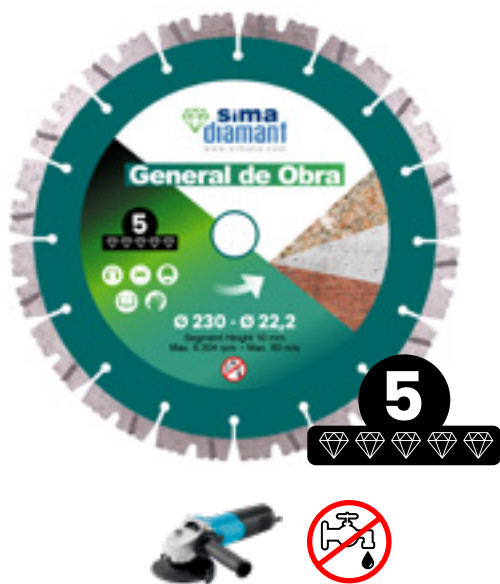
High end professional blades to be used with specialized machines.



SIMA DIAMANT Offers a complete range of grinding cups for different materials, such as stone, granit, concrete, etc.

Three ranges of diamond core drills are available in **SIMA DIAMANT**: dry, wet or tile drilling cores.





GENERAL PURPOSE

Code	Ø mm	Ø bore mm	Thickness mm	Segment h. mm
R-6911115	115	22,23	2,2	10
R-6911125	125	22,23	2,2	10
R-6911230	230	22,23	2,6	10

Universal use blade. Soft and fast cutting and efficient dust removal.



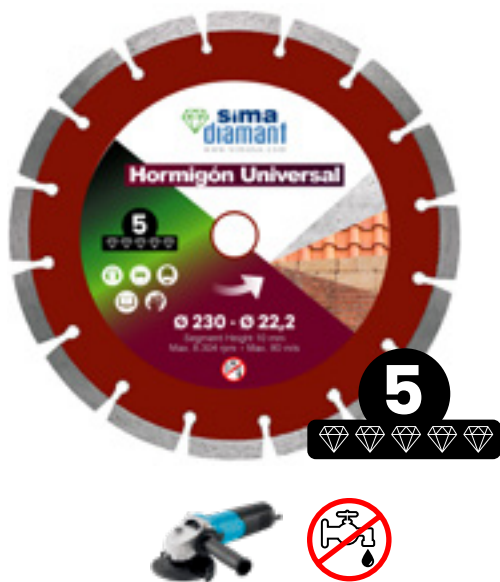
Brick



Concrete



Granite



UNIVERSAL CONCRETE

Code	Ø mm	Ø bore mm	Thickness mm	Segment h. mm
R-6981115	115	22,23	2,2	10
R-6981125	125	22,23	2,2	10
R-6981230	230	22,23	2,6	10

Long life blade (10 mm height segments). Suitable for any type of concrete and for universal use.



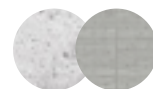
Brick



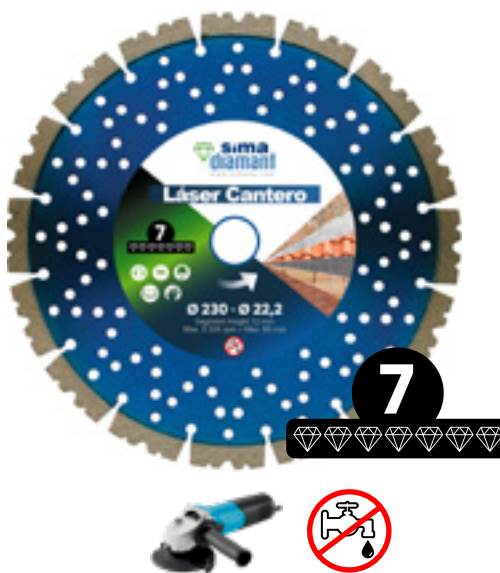
Klinker



Roof tiles



Old and reinforced concrete



LASER MASON

Code	Ø mm	Ø bore mm	Thickness mm	Segment h. mm
R-6931115	115	22,23	2,2	10
R-6931125	125	22,23	2,2	10
R-6931230	230	22,23	2,8	12

Strong blade, suitable for heavy duty cutting of most types of building materials. High speed cutting and efficient cooling.



Brick



Klinker



Roof tiles



Basalt



Granite



Old and reinforced concrete



ABRASIVE MATERIALS

Code	Ø mm	Ø bore mm	Thickness mm	Segment h. mm
R-6941115	115	22,23	2,2	10
R-6941125	125	22,23	2,2	10
R-6941150	150	22,23	2,2	10
R-6941230	230	22,23	2,8	10

Special blade for soft and high speed cutting of abrasive materials. Long life blade: 10 mm height segments.



Sandstone



Concrete



Refractory



GENERAL PURPOSE TURBO

Code	Ø mm	Ø bore mm	Thickness mm	Segment h. mm
R-6912115	115	22,23	2,2	8
R-6912125	125	22,23	2,2	8
R-6912230	230	22,23	2,6	10

Universal use blade for low hardness stones.



Brick



Concrete



Granite



Sandstone



Concrete paving blocks



GRANITE

Code	Ø mm	Ø bore mm	Thickness mm	Segment h. mm
R-6942115	115	22,23	2,2	9
R-6942125	125	22,23	2,2	9
R-6942150	150	M14	2,2	9
R-6942180	180	M14	2,2	9
R-6942230	230	22,23	2,8	9

Suitable for universal use, specially for granite and artificial quartz stone. Long life blade (9 mm height segments).



Granite



Silestone



GRES TURBO				
Code	Ø mm	Ø bore mm	Thickness mm	Segment h. mm
R-6952115	115	22,23	1,4	8
R-6952125	125	22,23	1,4	8
R-6952230	230	22,23	1,9	10

Heavy duty fine and thin cutting on very hard materials. With a reinforcing flange, for extra resistance.



Granite



Gres



Ceramics



Dekton



MARBLE ELECTROPLATED				
Code	Ø mm	Ø bore mm	Thickness mm	Segment h. mm
R-6964115	115	22,23	1,3	5
R-6964125	125	22,23	1,3	5
R-6964230	230	22,23	1,9	5

Deep cutting on marble and a wide range of materials. The side reinforce makes it suitable for light grinding jobs.



Marble



PVC



Plexiglas



Plastic pipe



Polycarbonate



Rockwool



GRES CONTINUOUS RIM				
Code	Ø mm	Ø bore mm	Thickness mm	Segment h. mm
R-6953115	115	22,23	1,5	8
R-6953125	125	22,23	1,5	8

Thin cutting on hard ceramics and glazed tiles.



Gres



Ceramics



Porcelain



Piedra natural



PORCELAIN EXTRATHIN

Code	Ø mm	Ø bore mm	Thickness mm	Segment h. mm
R-6902115	115	22,23	1,4	10
R-6902125	125	22,23	1,4	10
R-6902230	230	22,23	1,4	10

Thin and fast cutting on hard tiles and porcelain gres.



Gres



Ceramics



Porcelain



KERAMAX

Code	Ø mm	Ø bore mm	Thickness mm	Segment h. mm
R-6955115	115	22,23	1,1	8
R-6955125	125	22,23	1,1	8

Very thin and clean cutting on any type of ceramics, glazed porcelain tiles, hard tiles and synthetic stones. With double reinforcing flange for extra resistance.



Gres



Ceramics



Porcelain



Dekton

DRILLING BITS FOR HARD GRES TILES - M14 CONNECTION - HEIGHT H45



Code	Ø mm	Segment h. mm	Code	Ø mm	Segment h. mm
R-7951006	6	15	R-7951045	45	15
R-7951008	8	15	R-7951050	50	15
R-7951010	10	15	R-7951055	55	15
R-7951012	12	15	R-7951060	60	15
R-7951020	20	15	R-7951065	65	15
R-7951025	25	15	R-7951070	70	15
R-7951030	30	15	R-7951080	80	15
R-7951035	35	15	R-7951100	100	15
R-7951040	40	15			



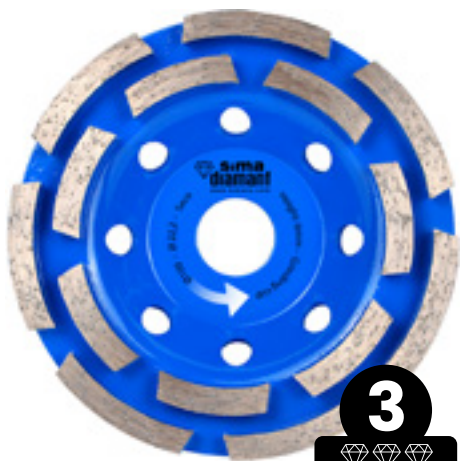
Ceramics



Natural Stone



Porcelain


3


Brick



Concrete



Marble



Granite

UNIVERSAL GRINDING CUP WHEEL

Code	Ø mm	Ø bore mm	Segment h. mm
R-8911100	100	22,23	6
R-8911125	125	22,23	6
R-8911180	180	22,23	6

Universal use: suitable for most building materials. Easy dust removal.

UNIVERSAL GRINDING CUP WHEEL

Code	Ø mm	Ø bore mm	Segment h. mm
R-8981100	115	22,23	7
R-8981126	125	22,23	7
R-8981150	150	22,23	7
R-8981180	180	22,23	7

Highly professional tool for grinding any concrete surface, such as walls, floors, etc. Specially designed segments for easy and efficient dust / debris removal.



Concrete



Granite


5

HARD CONCRETE GRINDING CUP WHEEL

Code	Ø mm	Ø bore mm	Segment h. mm
R-8981125	125	22,23	7

High performance high speed cup wheel for grinding hard concrete or other materials of similar hardness. Easy dust removal (vacuum assisted).



Concrete


7




7



RECTIFIER

Code	Ø mm	Ø bore mm	GRIT	Segment h. mm
R-8911101	100	M14	80/100	4
R-8911070	100	M14	60/70	4

Grinding cup for coarse or fine grinding on any type of gres tiles at 90° or 45°. Available on 2 types of grit:

- 80/100 for fine gringing.
- 60/70 for coarse grinding.



Granite



Natural stone



Gres



Porcelain tiles



GENERAL PURPOSE

Code	Ø mm	Ø bore mm	Thickness mm	Segment h. mm
R-6811250	250	25,4	2,6	10
R-6811300	300	25,4	2,6	10
R-6811350	350	25,4	2,8	10
R-6811400	400	25,4	3,2	10

Universal use blade. Long life and high performance.



Granite



Brick



Concrete

GENERAL PURPOSE

Code	Ø mm	Ø bore mm	Thickness mm	Segment h. mm
R-6811450	450	25,4	3,6	10
R-6811500	500	25,4	3,8	10
R-6811600	600	25,4	4,5	10
R-6811650	650	25,4	4,5	10
R-6811700	700	25,4	5,0	10
R-6811760	700	60	5,0	10
R-6811900	900	60	5,0	10
R-6811000	1000	60	5,0	10

Universal use blade. Long life and high performance.



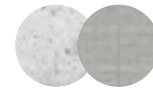
Roof tiles



Brick



Klinker



Old and reinforced concrete

MARBLE

Code	Ø mm	Ø bore mm	Thickness mm	Segment h. mm
R-6861300	300	30	2,8	10
R-6861350	350	50	3,2	10
R-6861400	400	50	3,5	10
R-6861500	500	60	4,5	10

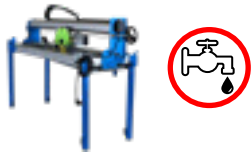
Special blade for cutting all kind of marble.



Marble



Sandstone

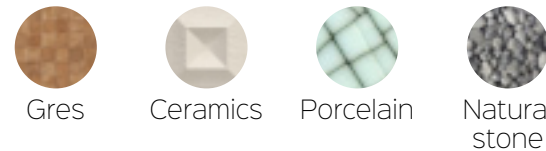
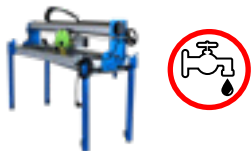


Granite Silestone

GRANITE

Code	Ø mm	Ø bore mm	Thickness mm	Segment h. mm
R-6841300	300	30	2,8	10
R-6841350	350	50	3,0	10
R-6841400	400	50	3,4	10
R-6841500	500	60	3,8	10

For cutting any type of granite of any hardness. Long life segments: 10 mm height.

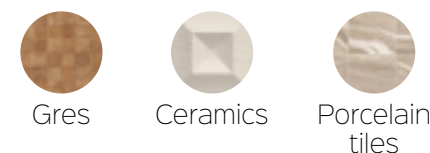


Gres Ceramics Porcelain Natural stone

GRES CONTINUOUS RIM

Code	Ø mm	Ø bore mm	Thickness mm	Segment h. mm
R-6853180	180	25,4	1,6	6,5
R-6853200	200	25,4	1,6	10
R-6853250	250	25,4	1,6	10
R-6853300	300	25,4	2,0	10
R-6853350	350	25,4	2,2	10

Thin cutting on hard ceramics, glazed tiles, porcelain, marble and natural stone.



Gres Ceramics Porcelain tiles

KERAMAX

Code	Ø mm	Ø bore mm	Thickness mm	Segment h. mm
R-6855200	200	25,4	1,7	10
R-6855230	230	25,4	1,7	10
R-6855250	250	25,4	2,4	10
R-6855300	300	25,4	2,4	10
R-6855350	350	25,4	2,4	10
R-6855400	400	25,4	2,4	10

Very fine and thin cutting on any type of ceramics, glazed porcelain hard tiles and synthetic stones. Easy cooling.



BEVEL CUT				
Code	Ø mm	Ø bore mm	Thickness mm	Segment h. mm
R-6857200	200	25,4	2,0	20
R-6857250	250	25,4	2,2	20

Specialized blade for bevel cut (45°) on ceramic and porcelain. With 20 mm. high segment / continuous rim, it minimizes chipping.



Ceramics



Gres



ABRASIVE MATERIALS				
Code	Ø mm	Ø bore mm	Thickness mm	Segment h. mm
R-6831300	300	25,4	2,8	10
R-6831350	350	25,4	3,2	10

Suitable for wet cutting of very abrasive materials. Soft high-speed cutting. Long life segments: 10 mm height.



Abrasive materials



Refractory



REINFORCED CONCRETE				
Code	Ø mm	Ø bore mm	Thickness mm	Segment h. mm
R-6701300	300	25,4	3,8	10
R-6701350	350	25,4	3,8	10
R-6701400	400	25,4	4,5	10
R-6701450	450	25,4	5,0	10

Fast cutting on any type of concrete floors. Long life segments: 10 mm height.



Construction materials



Reinforced concrete



Old concrete



REINFORCED AND OLD CONCRETE

Code	Ø mm	Ø bore mm	Thickness mm	Segment h. mm
R-6781450	450	25,4	2,8	10
R-6781500	500	25,4	3,2	10
R-6781600	600	25,4	3,5	10
R-6781700	700	25,4	3,8	10

Specialized blade for reinforced concrete floors, pavements, etc.



Reinforced concrete



Old concrete



Construction materials



REINFORCED CONCRETE

Code	Ø mm	Ø bore mm	Thickness mm	Segment h. mm
R-6791300	300	25,4	2,8	10
R-6791350	350	25,4	2,8	10
R-6791400	400	25,4	3,2	10

Excellent cutting speed. Perfect for cutting fresh concrete floors with less than 48 hrs. life. High durability.



Green concrete



Asphalt



COMBI

Code	Ø mm	Ø bore mm	Thickness mm	Segment h. mm
R-6721350	350	25,4	3,2	10
R-6721400	400	25,4	3,6	10
R-6721450	450	25,4	3,8	10

High performance universal blade for floor cutting (concrete / asphalt). Special segments for minimum wearing and long life. Very suitable for rentals.



Old concrete



Reinforced concrete



Asphalt



Green concrete



Green
concrete



Asphalt

ASPHALT

Code	Ø mm	Ø bore mm	Thickness mm	Segment h. mm
R-6771300	300	25,4	2,8	10
R-6771350	350	25,4	3,2	10
R-6771400	400	25,4	3,6	10
R-6771450	450	25,4	3,6	10

Asphalt cutting blade with a reinforced higher segment to protect the blade in deep cutting.



Green
concrete



Asphalt

SUPER ASPHALT

Code	Ø mm	Ø bore mm	Thickness mm	Segment h. mm
R-6621350	350	25,4	3,2	10
R-6621400	400	25,4	3,5	10
R-6621450	450	25,4	3,8	10
R-6621500	500	25,4	3,8	10
R-6621600	600	25,4	4,5	10

Designed to give excellent cutting performance on asphalt when using high power floor saws.

DRY DRILLING CORE BITS

Core drill

Dry



Materials



Old concrete



Reinforced concrete



Brick

- Positioned diamond in segments.



DRY DRILLING CORE BITS

Code	Ø mm	No. of segments pcs	Core bit length mm	Anchoring	Segment height mm
R-7201042	42	3	320	1" 1/4	10
R-7201052	52	4	320	1" 1/4	10
R-7201062	62	4	320	1" 1/4	10
R-7201072	72	5	320	1" 1/4	10
R-7201082	82	5	320	1" 1/4	10
R-7201102	102	5	320	1" 1/4	10
R-7201112	112	6	320	1" 1/4	10
R-7201122	122	6	320	1" 1/4	10
R-7201127	127	7	320	1" 1/4	10
R-7201132	132	7	320	1" 1/4	10
R-7201152	152	7	320	1" 1/4	10
R-7201162	162	8	320	1" 1/4	10

WET DRILLING CORE BITS

DRILL

Wet



Materials



Old concrete



Reinforced concrete



Brick

- Laser Welded diamond segments.



WET DRILLING CORE BITS

Code	Ø mm	No. of segments pcs	Anchoring	Segment height mm
R-7291042	42	3	1" 1/4	11
R-7291052	52	5	1" 1/4	11
R-7291062	62	6	1" 1/4	11
R-7291068	68	6	1" 1/4	11
R-7291072	72	7	1" 1/4	11
R-7291082	82	7	1" 1/4	11
R-7291092	92	8	1" 1/4	11
R-7291102	102	8	1" 1/4	11
R-7291112	112	9	1" 1/4	11
R-7291122	122	10	1" 1/4	11
R-7291127	127	10	1" 1/4	11
R-7291132	132	11	1" 1/4	11
R-7291152	152	12	1" 1/4	11
R-7291162	162	12	1" 1/4	11
R-7291182	182	13	1" 1/4	11
R-7291202	202	15	1" 1/4	11
R-7291250	250	17	1" 1/4	11
R-7291300	300	19	1" 1/4	11



The thermic sensors **turn red color when the blade is overheated.**



SILENT

Code	Ø mm	Ø bore mm	Thickness mm	Segment h. mm
D-6909230	230	22,23	2,8	15

Specially built core for low noise emissions. Extra high "H shaped" segments of 15 mm for very long life. Excellent cutting performance.



Granite



Brick

THERMOS

Code	Ø mm	Ø bore mm	Thickness mm	Segment h. mm
D-6901230	230	22,23	2,6	10

Deep and intensive cutting. Patented thermochromatic sensors for overheating. Very fast cutting on concrete and reinforced concrete.



Hard concrete



Reinforced concrete

MAXICUT

Code	Ø mm	Ø bore mm	Thickness mm	Segment h. mm
D-6902231	230	22,23	2,6	15

Turbo professional blade designed for low friction cutting. High speed and optimal durability: 15 mm segment height.



Granite



Brick



Ceramics



Gres



DEEP GRANITE

Code	Ø mm	Ø bore mm	Thickness mm	Segment h. mm
D-6902230	230	22,23	2,6	9

Turbo professional blade designed for cutting granite. With a depressed centre reinforcement for bigger cutting surface. Laser perforated gullet slots and rim to reduce tensions, improving performance.



Granite



KATANA

Code	Ø mm	Ø bore mm	Thickness mm	Segment h. mm
D-6905102	102	22,23	0,8	5

Special for cutting very hard materials, with an extra thin rim of 0.8 mm for very precise cuts between tiles. Thin and clean cut on ceramics and vitrified materials.



Ceramics



Gres



GRESITE

Code	Ø mm	Ø bore mm	Thickness mm	Segment h. mm
D-6903100	100	22,23	1,4	10

Fast thin cutting on ceramic, glass and gresite (mosaic swimming pool tiles). 10 cm. high continuous rim.



Ceramics



Gresite



Glass



MULTIX

Code	Ø mm	Ø Ancho- ring mm	Thickness mm	Segment h. mm
D-6902126	125	M14	2,8	8/25

Designed for cutting and grinding on natural stone. With diamonds on both sides (25 mms. height) and reinforcement flange.



Natural stone



Construction materials

The thermic sensors **turn red color when the blade is overheated.**



THERMOS

Code	Ø mm	Ø bore mm	Thickness mm	Segment h. mm
D-6501300	300	25,4	2,8	10
D-6501350	350	25,4	3,2	10
D-6501400	400	25,4	3,5	10

Deep and intensive cutting. Patented thermochromatic sensors for overheating. Very fast cutting on concrete and reinforced concrete.



Old concrete



Reinforced concrete



Asphalt



RESCUE

Code	Ø mm	Ø bore mm	Thickness mm	Segment h. mm
D-6508230	230	22,23	1,8	5
D-6508300	300	25,4	2,2	5
D-6508350	350	25,4	2,5	5

Suitable for multi-material cutting, specially ferrous materials. Vacuum-brazed diamond technology blade. Soft, accurate and sparks-free cuts. Highly recommended for cutting car bodies on rescue operations.



Forged iron



Steel



Concrete blocks



SIP, PUR & EPS sandwich panels



PVC

RECOMENDED DIMENSIONS OF THE BENDING PINS TO USE as related to the rebar thickness

Ø Bar mm (Inch)	EE.UU. - LATAM		EUROPE		
	in mm. of the pin or mandrel prescribed by the norm				
	Stirrups x 4	Normal x 6/8	Stirrups x 4	Hooks x 7	Normal x 12/14
6 (1/4)	24	-	Min 30 mm	-	-
8	-	-	32	56	-
9,5 (3/8)	38	-	-	-	-
12 (1/2)	48	72	48	84	144
16 (5/8)	64	96	64	112	192
20 (3/4)	-	120	-	140	240
25 (1)	-	150	-	175	300
28 (1 1/8)	-	224	-	-	-
32 (1 1/4)	-	256	-	224	448
36 (1 1/2)	-	288	-	252	504

This table is illustrative of the of the bending pins prescribed respectively in the european and the latin american/ USA norms). As an interpretation of the norms, SIMA shall not be liable for its accuracy. Please, always refer to the applicable norms in your territory.

CONVERSION TABLES rebar

mm Ø	Inch"	Old #	Metric #
6	1/4	2	-
8	5/16	2	-
10	3/8	3	10
12	1/2	4	13
14	9/16	4-5	-
16	5/8	5	16
18	3/4	6	19
20	3/4	6	-
22	7/8	7	22
24	1	-	-
25	1	8	25
26	1 1/32	-	-
28	1 1/8	9	29
30	1 3/16	-	-
32	1 1/4	10	32
34	1 3/8	-	-
35	1 3/8	-	-
36	1 3/8	11	36
40	1 5/8	12	-
42	1 5/8	14	-
43	1 3/4	14	43
45	1 3/4	14	-
46	1 13/16	-	-
52	2	-	-
57	2 1/4	18	57

ACCURATE CONVERSION	
mm to inch	inch to mm
1/4	6,35
5/16	7,94
13/32	9,53
15/32	12,70
9/16	14,23
5/8	15,88
23/32	19,05
13/32	19,95
7/8	22,23
15/16	25,40
1	25,40
1 1/32	26,19
1 7/64	28,58
1 3/16	30,16
1 1/4	31,75
1 11/32	34,93
1 3/8	34,93
1 13/32	34,93
1 9/16	41,27
1 21/32	41,27
1 3/4	44,45
1 25/32	44,45
1 13/16	46,04
2 1/16	50,80
2 1/4	57,15

KEY TO table icons



Wet



Dry



Peso



Packaging
dimensions



Oil



Turns/ por min



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