



# MAXIMA<sup>®</sup>

ONLY FOR REAL PROFESSIONALS



CORING BROCHURE



# THE COMPANY



The high quality of the Maxima range is the result of its careful selection of materials and components, its research and development of innovative solutions, the tests performed to certify the conformity of the products to the strictest standards, the uses simulated in-house and the field tests, to check that each system fully meets the needs of professional operators.

Maxima's mission is based on three cornerstone values: passion, expressed every day by the cohesion and enthusiasm of the staff, tackling every challenge, whether big or small; professionalism, which underpins every relationship with each stakeholder; trust, deriving from the controlled, certified quality of each product and the certainty that both dealers and expert or beginner users can find the right solution for their needs.

With a view to constantly seeking excellence, Maxima has never stopped growing. Despite the recession that particularly affected the construction sector, swimming against the tide the company has grown in recent years, further strengthening its position by investing in new products, enhancing the skills of its staff and consolidating its reputation on the market.



**Top Performance**  
"Top Performance" is the distinguishing icon of Maxima products, which have the highest characteristics in their reference market



All Maxima products come with safety information and laser-engraved graphics

## CERTIFICATIONS

ISO 9001:2015 - OSA - EN 13236



Certified UNI EN ISO 9001:2008 quality system.  
Certificate Nr 50 100 45666



"OSA" Organisation for the Safety of Abrasives



All the machinery is manufactured in the EU and CE certified



Maxima is a member of Unindustria Reggio Emilia



Maxima is a member of Assodimi - Assonolo

## INSURANCE

Third-party Liability Insurance Policy covering all Products

## FAST DELIVERY

Everywhere by express carrier

## DEALERS ONLY

We only distribute through Qualified Dealers

## CUSTOMER SERVICE

Assistance provided by Skilled Technicians and Agents



## **FREQUENT QUESTIONS ABOUT PROFESSIONAL DRILLING**

### **• WHAT IS MEANT BY DRILLING?**

The extraction of rock samples from the ground.

In the building trade, it means drilling walls or floors made of brick, stone, reinforced concrete, etc. for installing vents, pipes, screw anchors, etc.

### **• HOW ARE THE HOLES MADE?**

Diamond crowns are used fitted on electrical machines called drilling machines or coring machines, for dry use, wet use and with dust extraction depending on the type of material and user requirements.

### **• HOW BIG CAN DRILLING DIAMETERS BE?**

Manual drilling up to 205 mm (8 in) in diameter. Column drilling up to 1000 mm (39,3 in) in diameter.

### **• WHO USES PROFESSIONAL DRILLING?**

Electricians, Plumbers, Airconditioning/heating installers, Builders.

### **• ON WHAT MATERIALS IS DRY DRILLING USED?**

Bricks, light concrete, Poroton blocks, stone, reinforced concrete, etc.

### **• AND WET DRILLING?**

Reinforced concrete, vibrated concrete, asphalt, stone and natural materials, brick walls and Poroton.

### **• WHICH IS THE IDEAL SYSTEM?**

For actual cm<sup>2</sup> cutting costs, water column use is definitely cheaper, but is not viable in the case of materials that absorb water, of already furnished and/or inhabited buildings and in the case of building interspaces.

Manual dry use provides greater flexibility and is more practical in case







of uncomfortable and/or restricted positions.

• **WHAT TYPE OF CORING MACHINES ARE AVAILABLE?**

Dry or wet manual coring machines are available, or fixed on column for wet use.

• **WHY A CORING MACHINE AND NOT A DRILL?**

A coring machine is different from a drill for three main reasons:

- 1- It protects the user from unexpected backlashes caused by crown blockage thanks to the mechanical clutch.
- 2- The power of the motor is considerably greater.
- 3- The rotation speed is lower because the diamond tools can be used to their full potential.

• **WHY A CORING MACHINE AND NOT AN ELECTRIC BREAKER?**

The electric breaker features a percussion that damages the diamond tool. The coring machine is lighter as are the tools. The rotation speed of the coring machine is higher and more suitable for the correct use of the diamond tools.

With diamond drilling, the hole is cleaner, the plaster does not break on pulling out and the job is more precise. If great caution is used, small iron rods can be cut. There are no vibrations. Cutting costs per cm<sup>2</sup> are much lower.

## **WHY IS MAXIMA WORLD LEADER IN THE FIELD OF PROFESSIONAL DRILLING?**

Maxima uses the best tools, the best machines and the best cutting and drilling machines available in the world. After a period of test performed in the laboratory and on the worksite, if the product is up to stringent Maxima quality standards, then marketing starts on a large scale and on an exclusive basis. As the industry's major Italian distributor, Maxima is now able to preview and test the products of leading world manufacturers before anyone else. The exclusive technical features of both the tools and the machines are the upshot of years of know-how, of a careful study of the user's needs, of a constant exchange of information between Maxima and designer engineers and of detailed laboratory tests and hands-on worksite tests and are exactly what the user is truly looking for. Maxima provides real solutions, not proposals.

### **• PRODUCT RANGE**

The range of Maxima products is the most complete on the market both as regards the number and type of machines on offer and the range of diamond tools. The range of available accessories is the largest the market currently has to offer.







- **QUALITY**

Maxima products are considered the best from a professional viewpoint, both in terms of performance (core bits and machines) and of resistance to wear.

Exceptional value for money is a crucial element as regards the success enjoyed by Maxima products.

- **SAFETY**

All the diamond tools are Laser welded.

The Coring machines are made to the highest quality standards available on the market, and comply with German production principles.

- **PRODUCT CERTIFICATION AND INSURANCE**

Maxima is UNI EN ISO9001:2008 certified.

All the diamond tools are certified by the German institute OSA - Organization for the Safety of Abrasives.

As a further guarantee, all the products distributed by Maxima are covered by a PRODUCT CIVIL LIABILITY policy in case of fabrication faults.







# APPLICATIONS



# APPLICATIONS: CAROMAX 800

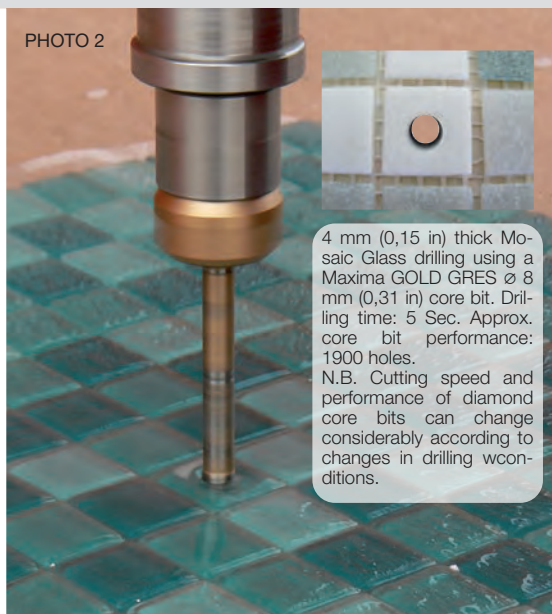
HIGH-SPEED CORING MACHINE

PHOTO 1



Drilling of 12 mm (0,47 in) Porcelain stoneware using a Maxima GOLD GRES  $\varnothing$  8 mm (0,31 in) core bit. Drilling time: 7 Sec. Approx. core bit performance: 500 holes. N.B. Cutting speed and performance of diamond core bits can change considerably according to changes in drilling conditions.

PHOTO 2

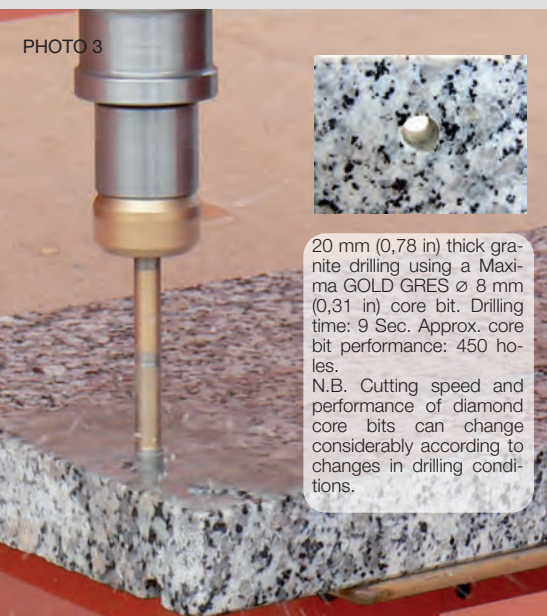


4 mm (0,15 in) thick Mosaic Glass drilling using a Maxima GOLD GRES  $\varnothing$  8 mm (0,31 in) core bit. Drilling time: 5 Sec. Approx. core bit performance: 1900 holes. N.B. Cutting speed and performance of diamond core bits can change considerably according to changes in drilling conditions.

Practical, fast and precise drilling and long diamond tool life are the best qualities of this innovative drilling system. Ideal for applications on all those materials where drilling precision and speed are essential for doing a successful job, e.g., drilling porcelain stoneware (photo 1), mosaic glass coverings (photo 2) and granite sheets (photo 3). Max drilling diameter is 60 mm (2,36 in). Thanks to the high rotation speed (6400 and 3600 rpm) even corners or thresholds of tiles

can be drilled (photo 3) without any risk of cracking or chipping the material. The convenient water tank is suitable for a good number of drilling operations without having to refill. The CAROMAX 800 is supplied in the brand new transport case with three GOLD GRES ( $\varnothing$  6, 8, 10 mm - 0,23, 0,31, 0,39 in) CORE BITS and a practical water centring and collection kit (photo 4).

PHOTO 3



20 mm (0,78 in) thick granite drilling using a Maxima GOLD GRES  $\varnothing$  8 mm (0,31 in) core bit. Drilling time: 9 Sec. Approx. core bit performance: 450 holes. N.B. Cutting speed and performance of diamond core bits can change considerably according to changes in drilling conditions.

PHOTO 4









# APPLICATIONS: CAROMAX 1800



The CAROMAX 1800 is the dry coring machine par excellence. It differs from all other coring machines in terms of its extreme ease of use, **its capacity to quickly dry drill reinforced concrete** equipped exclusively with Maxima diamond core bits, for the best weight/power ratio, max core bit diameter of 205 mm (8,07 in) and the possibility of fitting accessories and core bits for dust extraction without affecting cutting speed performance at all (Photo 3). Thanks to the above features, to the single rotation speed and to a power of 1800 W, **the**

**CAROMAX 1800 is the safest coring machine for rental.** Ideal for all building applications, from dry drilling reinforced concrete with extraction kit and VACUUM 300 CORE BITS (photo 4) or with LASER GOLD SPIRAL 150 CORE BITS (photos 1 and 2) to brick walls with LASER SILVER 150 CORE BITS. The machine is supplied complete with a brand new transport case, with M18-M16 quick adapter, SDS centring bit, 250mm (9,84in) long M18F-M16M extension, servicespanners and two extremely useful copper ANTIBLOCK washers.

PHOTO 3



# APPLICATIONS: CAROMAX 1800 VACUUM

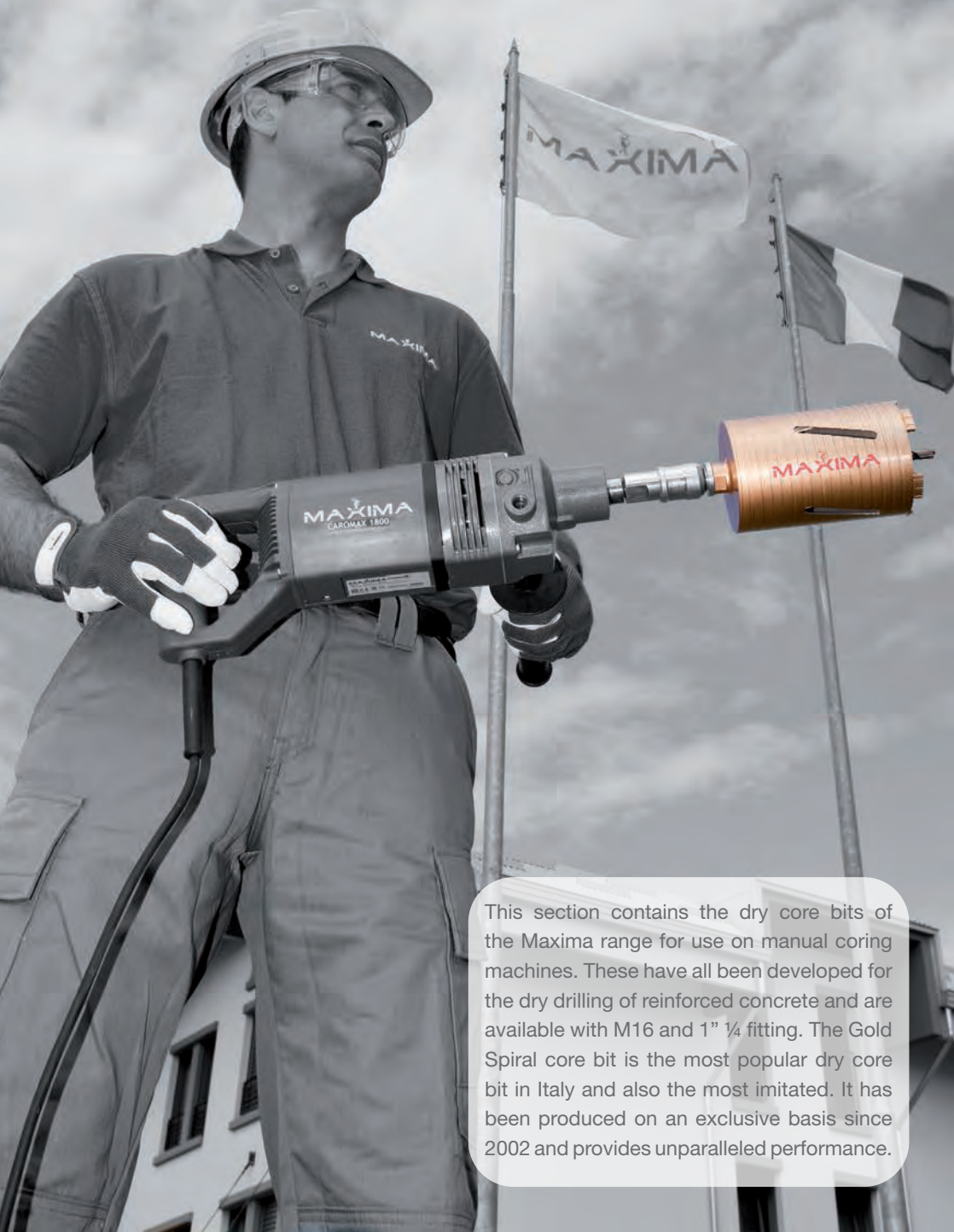
PHOTO 4







# DRY CORE BITS



This section contains the dry core bits of the Maxima range for use on manual coring machines. These have all been developed for the dry drilling of reinforced concrete and are available with M16 and 1" 1/4 fitting. The Gold Spiral core bit is the most popular dry core bit in Italy and also the most imitated. It has been produced on an exclusive basis since 2002 and provides unparalleled performance.



# RED STONEWARE CORE BIT



FOR DRILL  
DRY  
FOR SANDING MACHINE

## DESCRIPTION

**For standard drills .** For porcelain stoneware and ceramics generally. For drills with 13 mm (0,5 in) chuck, no percussion. Optimum minimum rpm 1,500 rpm. For superior performance, cool while drilling, repeatedly removing and replacing the tool in the hole. Start drilling at a 45° angle then proceed with a circular movement.

**For angle grinders.** For porcelain stoneware and ceramics generally. Use with angle grinders. Warning, for correct use dry: optimum rpm 11,000/13,000 rpm. For superior performance, cool while drilling, repeatedly removing and replacing the tool in the hole. Start drilling at a 45° angle then proceed with a circular movement.

**Useful core bit length: 35 mm (1,37 in).**



## AVAILABLE DIAMETERS



6 - 8 - 10 -  
12 - 14



6 - 8 - 10 - 12 - 14 - 16 - 18 - 20  
25 - 30 - 35 - 40 - 45 - 50 - 55 - 60  
70 - 80 - 90 - 100

# GOLD SPIRAL CORE BIT®



L. 150 mm  
FOR REINFORCED  
CONCRETE

## DESCRIPTION

The **Gold Laser Spiral core bit®** has been a Maxima exclusive since 2002, developed specifically for dry coring **reinforced concrete**. Since then it has been developed and restyled, and is absolutely the fastest and best performing tool on the market, and the best selling tool on both the national and international markets. Its unique characteristics include: the spiral on the steel body; its conical shape; the turbo segment with alternating concave/convex design: the reduced friction and upper discharge significantly larger than competitor tools, thus exceptionally improving the drilling speed.

**Useful core bit length: 150 mm (5,9 in).**



## AVAILABLE DIAMETERS



32 - 37 - 42 - 52 - 57 - 62 - 68 - 72 - 82 - 92 - 102 - 107  
112 - 122 - 127 - 132 - 142 - 152 - 162 - 182 - 205



# BLACK SPIRAL CORE BIT



L. 200 mm  
FOR REINFORCED  
CONCRETE

## DESCRIPTION

The **Black Spiral Core Bit** was created to meet the market demand for a product of the same quality as the Gold Spiral® core bit, but longer, in this case increased to 200 mm (7,87 in), to **facilitate operating speed** when carrying out jobs. In this case, the core cleaning operation is required 30% less than with 150 mm (5,9 in) long core bits.

**Useful core bit length: 200 mm (7,87 in).**



## AVAILABLE DIAMETERS



32 - 42 - 57 - 68 - 82 - 102  
112 - 127 - 142 - 162

# SILVER LASER CORE BIT



L. 150 mm  
FOR REINFORCED  
CONCRETE

## DESCRIPTION

The **Silver Laser core bit** was created to meet the market demand for a product of the same quality as the Gold Laser Spiral core bit, but with a more attractive price, thus making it ideal for those who don't use it every day. The chemical composition of the diamond segments is the same, so the **Silver Laser Core Bit** also dry **cores reinforced concrete**. The design however is simpler, and they are welded to the laser on a perfectly cylindrical body.

**Useful core bit length: 150 mm (5,9 in).**



## AVAILABLE DIAMETERS



32 - 37 - 42 - 52 - 57 - 62 - 68 - 72 - 82 - 92 - 102 - 107  
112 122 - 127 - 132 - 142 - 152 - 162 - 182 - 205

# VACUUM 300 CORE BIT



L. 300 mm  
FOR REINFORCED  
CONCRETE

## DESCRIPTION

This tool is suitable for jobs that require dust vacuuming. The Vacuum 300 core bit also mounts the same diamond segment as the 150 mm (5,9 in) long core bits, and is thus able to core dry, and wet if required, with the appropriate machine, materials such as reinforced concrete, brick, roofing tiles and concrete.

The useful cutting length is 300 mm (11,8 in), while only for **Ø 182 and 205 this is reduced to 200 mm (7,87 in)** to lighten the load for both the machine and the user.



## AVAILABLE DIAMETERS



32 - 37 - 42 - 52 - 57 - 62 - 68 - 72 - 82 - 92 - 102 - 107  
112 - 122 - 127 - 132 - 142 - 152 - 162 - 182 - 205

# VACUUM 70 CORE BIT



L. 70 mm  
FOR REINFORCED  
CONCRETE

## DESCRIPTION

This tool is suitable for jobs that require dust vacuuming. The **Vacuum 70 core bit** mounts the same diamond segment as the 150 mm (5,9 in) long core bits and is thus able to **dry core materials such as reinforced concrete**, brick, roofing tiles and concrete. The 70 mm (82,75 in) useful length comes from the need to drill holes for electrical boxes, above all on export markets.



## AVAILABLE DIAMETERS



68 - 82 - 102





# WET CORE BITS



The range of Wet Core Bits is available for various uses, with 1/2 gas and 1 1/4 fittings, with laser or brazed welding joints with diameter 6-1000 mm (0,23-39,37 in). Apart from the Gold Gres Core Bit, the entire range has been developed for column machinery.



# GOLD GRES CORE BIT



L. 60 mm  
GAS FITTING  
FOR CAROMAX 800

## DESCRIZIONE

*Mount exclusively on Caromax 800. The Gold Stoneware Core Bit* was developed in the Maxima R&D laboratories to work at high rotation speed, wet coring any kind of laying material. Porcelain stoneware, kerlite, granite, marble, klinker and many other materials are no longer a problem, and drilling is child's play, without the risk of cracks or breaks even in the tile corners. It guarantees a very high number of drillings, even 500 holes on porcelain stoneware.

*Useful cup length 60 mm (2,3 in).*



## AVAILABLE DIAMETERS



6 - 8 - 10 - 12 - 14 - 16 - 18 - 20 - 22 - 24 - 25 - 28  
30 - 32 - 35 - 38 - 40 - 42 - 45 - 50 - 55 - 60 - 65 - 68

# GOLD LASER DURAMAX CORE BIT



L. 450 mm  
1"1/4 FITTING

## DESCRIZIONE

The **Gold Duramax core bit** is the ideal tool for drilling medium and large diameter holes, mounted on machines with 1"1/4 fitting, with at least 2000 watt power and with a water connector. It guarantees a much longer life and drilling speed, thanks to the patented Duramax® technology that doses and perfectly positions the diamond granules in the diamond segment, and the spiral in the body that facilitates the removal of debris from the hole, for a unique performance. To use every diameter to the highest performance, it is decisive to have a machine with the power output and rpm suited to that diameter.



## AVAILABLE DIAMETERS



32 - 42 - 52 - 62 - 72 - 82 - 92 - 102 - 112 - 122 - 127  
132 - 142 - 152 - 162 - 172 - 182 - 200 - 225 - 250



# LASER 450 CORE BIT



L. 450 mm  
1"1/4 FITTING

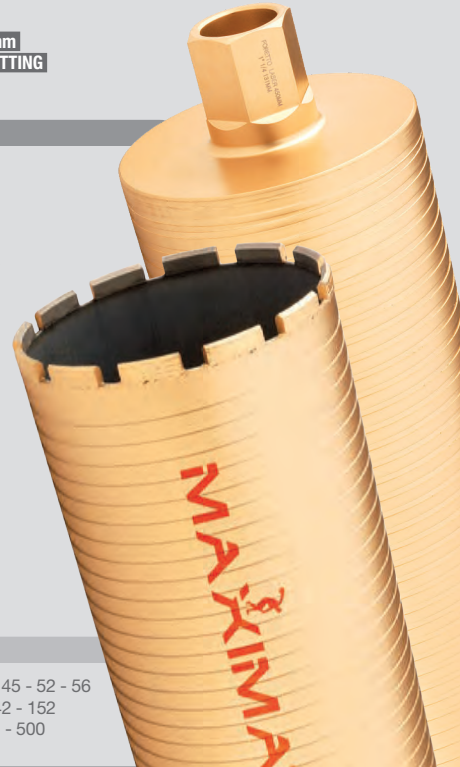
## DESCRIPTION

Ideal for drilling medium or large holes, the **Laser 450 core bit** is mounted on machines with 1"1/4 fitting. For wet uses, this is a high-performing tool with superior drilling speed, thanks to the spiral in the body that facilitates the removal of debris from the hole. Available in a wide range of diameters from 14 to 500 mm (0,55 to 19,68 in), to use every diameter to the highest performance, it is decisive to have a machine with the power output and rpm suited to that diameter.

## AVAILABLE DIAMETERS



12 - 14 - 15 - 16 - 18 - 20 - 21 - 22 - 24 - 25 - 26 - 28 - 32 - 35 - 42 - 45 - 52 - 56  
62 - 66 - 72 - 76 - 82 - 86 - 92 - 102 - 107 - 112 - 122 - 127 - 132 - 142 - 152  
162 - 172 - 182 - 192 - 202 - 215 - 225 - 250 - 300 - 350 - 400 - 450 - 500



# LASER 420 CORE BIT



L. 420 mm  
1/2 GAS FITTING

## DESCRIPTION

The **Laser 420** core bit was developed for small diameter drilling and is specific for wet machines with 1/2 gas fitting, both manual and column mounted. Particularly suitable for **anchor bolt holes**. 420 mm (16,53 in) long, available in diameters from 14 to 132 mm (0,55 to 5,19 in). This is a high-performing tool with superior drilling speed, thanks to the particular chemical composition of the segment and the spiral in the body that facilitates the removal of debris from the hole. To use every diameter to the highest performance, it is decisive to have a machine with the power output and rpm suited to that diameter.

## AVAILABLE DIAMETERS



14 - 15 - 16 - 18 - 20  
21 - 22 - 24 - 25 - 26  
28 - 32 - 35 - 38 - 42  
45 - 52 - 56 - 62 - 66  
72 - 76 - 82 - 86 - 92  
102 - 112 - 122 - 132



14 - 15 - 16 - 18 - 20  
21 - 22 - 24 - 25 - 26  
28 - 32 - 35 - 38 - 42  
45 - 52 - 56 - 62 - 66  
72 - 76 - 82 - 86 - 92  
102 - 112 - 122 - 132



# SILVER 450 CORE BIT



L. 450 mm  
1"1/4 FITTING

## DESCRIPTION

The **Silver 450 core bit** is ideal for medium and large hole diameters. This core bit is mounted on wet machines with 1"1/4 fitting. Completely similar to the Gold 450 core bit, the difference lies essentially in the body, which in this case is perfectly cylindrical. 450 mm (17,71 in) long, available in diameters from 32 to 1000 mm (1,25 to 39,37 in). To use every diameter to the highest performance, it is decisive to have a machine with the power output and rpm suited to that diameter.

## AVAILABLE DIAMETERS



32 - 35 - 42 - 45 - 52 - 56 - 62 - 66 - 72 - 76 - 82 - 86 - 92 - 102 - 107  
112 - 122 - 127 - 132 - 142 - 152 - 162 172 - 182 - 202 - 225 - 252 - 260  
272 - 302 - 352 - 400 - 450 - 500 - 550 - 600 - 700 - 800 - 900 - 1000



# BLACK 450 CORE BIT



L. 450 mm  
1"1/4 FITTING

## DESCRIPTION

The **Black 450 core bit** is ideal for medium and large hole diameters. This core bit range was developed to offer a product of the same quality as the Silver 450 core bit but with a more attractive price, thus making it ideal for those who don't use it every day.

Completely similar to the Silver 450 core bit, the difference lies essentially in the segment welding, which in this case is laser welded.

## AVAILABLE DIAMETERS



32 - 42 - 52 - 62 - 72 - 82 - 92 - 102 - 112 - 122 - 127  
132 - 142 - 152 - 162 - 172 - 182 - 200 - 225 - 250



# CONTINUOUS DRILLING

## DESCRIPTION

This range of diamond core bits is designed ideally for holes of depths of more than 2 linear metres. As it is not possible to extract the debris core, unlike with conventional drilling, with this system the hole can be made by progressively screwing on extensions one after the other, keeping the debris core inside the bits until drilling is finished. On request this system is also supplied with debris core extractors and stabilisers to keep the crown on track while drilling. As this drilling is of a high technical level we suggest contacting a Maxima technician beforehand for advice – he will explain and give technical tips to ensure an excellent result. For unusual applications, the technician will also be available for on-site surveys. The tool is available in three variants: Impregnated, Set and Polycrystalline crowns that can be ordered for use with water or compressed air.

## AVAILABLE DIAMETERS

20 - 25 - 30 - 35 - 40 - 45 - 50 - 64 - 72 - 82

**The following diameters are also available on request:**

92 - 102 - 112 - 122 - 137 - 152 - 162 182 - 202 - 212 - 252 - 262 - 302





# CORING MACHINERY



The Maxima range of drilling machines is one of the most comprehensive on the market and includes uses that go from installation in the HVAC-R field to uses in the building, both civil and industrial.

Among others are two real manual drilling icons, CAROMAX 800 and CAROMAX 1800: two machines that set the standards in the professional equipment sector. All these machines are “made in EU” i.e., made within the European Union and come complete with CE certification.

# CAROMAX 800

Made in EU - Certificate C E

## TECHNICAL FEATURES

- Absorbed Power: 800 W - 230 V
- Max Drilling Diameter: 68 mm (2,67 in)
- 2 Mechanically selectable speeds:
  - 1 - 3600 Rpm Drilling capacity: 20-68 mm (0,78-2,67 in)
  - 2 - 6400 Rpm Drilling capacity: 6-20 mm (0,23-0,78 in)
- 1/2 Gas quick coupling for core bits
- Integrated PRCD switch
- Water tank capacity: 1 1/2 L
- Button to control the flow of water
- Max depth 60 mm (2,36 in)
- Supplied with: case, centring system, 3 adapters
- 3 core bits 6/8/10
- Weight 3,4 Kg
- Optional: side handgrip with water button



Photograph the QR Code and watch  
the CAROMAX 800 demo video



HIGH SPEED  
1/2 GAS FITTING

# CAROMAX 1600 WET

Made in EU - Certificate C E

## TECHNICAL FEATURES

- Absorbed Power: 1600 W - 230 V
- Torque: 1,6 Nm
- Max Drilling Diameter on column: 60 mm (2,36 in)
- Max Drilling Diameter by hand: 32 mm (1,25 in)
- Mechanical clutch: yes
- Electronic clutch: yes
- Idle speed: 9500 Rpm
- Speed under stress: 6500 Rpm
- Drilling capacity: 10 - 32 mm (0,39 - 1,25 in)
- Fitting: 1/2 Gas and 1"1/4
- Integrated PRCD switch
- Water flow: 0,3/0,5 L/Min
- Supplied with: coring machine and accessories case
- Weight: 6 Kg



HIGH SPEED  
1/2 GAS  
AND 1"1/4 FITTING

# CAROMAX 1800

Made in EU - Certificate C E



**M18 FITTING  
DRY CORING**

## TECHNICAL FEATURES

Absorbed Power: 1800 W - 230 V

Max Drilling Diameter: 205 mm (8 in)

Torque: 19 Nm

Micropercussion: 33000 strokes/min at 0.1 Joule

Speed: 1650 Rpm

Fitting: M18

Mechanical clutch: yes

Electronic clutch: yes

Supplied with: coring machine and accessories case

Weight: 5,2 Kg



*Photograph the QR Code and watch  
the CAROMAX 1800 demo video*

# CAROMAX 1800 ASP

Made in EU - Certificate C E



**1/2 GAS AND  
1"1/4 FITTING  
DRY CORING**

## TECHNICAL FEATURES

Absorbed Power: 1800 W - 230 V

Torque: 17 Nm

Max Drilling Diameter

Gold Laser Spiral Core bit: 205 mm (8,07 in)

Vacuum 300 Core bit: 162 mm (6,37 in)

Mechanical clutch: yes

Electronic clutch: yes

Micro-percussion: 33.000 hits/min 0,1 Joule

Fitting: 1/2 Gas and 1"1/4

Supplied with: coring machine and accessories  
case

Speed: 1650 Rpm/Min

Weight: 6,8 Kg





# CAROMAX 210 A

Made in EU - Certificate C E



1/2 GAS AND  
1"1/4 FITTING

## TECHNICAL FEATURES

Power consumption: 2150 W - 230 V  
Torque: 1<sup>^</sup> 71 Nm - 2<sup>^</sup> 34 Nm - 3<sup>^</sup> 17 Nm  
Max drilling diameter on column: 200 mm (7,87 in)  
Max drilling diameter by hand: 132 mm (5,19 in)  
Mechanical Clutch: Yes  
Electronic Clutch: Yes  
3 Idle speed:  
1 - 650 rpm Drilling capacity: 110-200 mm (4,33- 7,87 in)  
2 - 1400 rpm Drilling capacity: 70-100 mm (2,75-3,93 in)  
3 - 2630 rpm Drilling capacity: 30-60 mm (1,18-2,36 in)  
Fitting: 1/2 Gas and 1"1/4  
Integrated PRCD switch  
Supplied with: coring machine and accessories case  
Weight: 7,3 Kg



# CAROMAX 2000 WET

Made in EU - Certificate C E



1/2 GAS  
AND 1"1/4 FITTING

## TECHNICAL FEATURES

Absorbed Power: 2000 W - 230 V  
Max drilling diameter on column: 200 mm (7,87 in)  
Max drilling diameter by hand: 160 mm (6,29 in)  
3 Idle speed:  
1 - 900 rpm Drilling capacity: 90-160 mm (3,54-6,29 in)  
2 - 1900 rpm Drilling capacity: 40-70 mm (1,57-2,75 in)  
3 - 3900 rpm Drilling capacity: 20-35 mm (0,78-1,37 in)  
Fitting: 1/2 Gas and 1"1/4  
Integrated PRCD switch  
"Intellitronic" Electronic Clutch  
Supplied with: coring machine and accessories case  
Weight: 7,3 Kg



# CAROMAX 160

Made in EU - Certificate C €

## TECHNICAL FEATURES

Motor: Caromax 210 A

Fitting: 1" 1/4 and 1/2 Gas

Suited for drilling Diam. Max 205 mm (8,07 in)

Useful stroke: 510 mm (20,07 in)

Column height: 850 mm (33,46 in)

Steel base ready for plug fixing

45° tilting

Quick motor release

Dimensions: 500x210x940 mm (19,68x8,26x37 in)

Column weight: 11,5 Kg

Motor weight: 7,3 Kg



*Photograph the QR Code and watch  
the CAROMAX 160 demo video*



# CAROMAX 200

Made in EU - Certificate C €

## TECHNICAL FEATURES

Motor: Caromax 2000 wet

Fitting: 1 / 2 Gas and 1" 1/4

Suitable for Drilling Diam. Max. 205 mm (8,07 in)

Useful stroke: 510 mm (20 in)

Column height: 850 mm (33,46 in)

Steel base ready for plug fixing

45° tilting

Quick Motor release

Dimensions: 500x210x940 mm (19,68x8,26x37 in)

Column weight: 11,5 Kg

Motor weight: 7,3 Kg



# CAROMAX 250

Made in EU - Certificate C E

## TECHNICAL FEATURES

Motor: CWEK26 with water, 2600 W - 230 V

Fitting: 1"1/4 and 1/2 Gas

Max drilling diameter 250 mm (9,84 in)

Useful stroke: 580 mm (22,83 in)

Column height: 900 mm (35,43 in)

3 Idle speed:

1 - 550 rpm Drilling capacity: 125-250 mm (4,92-9,84 in)

2 - 1070 rpm Drilling capacity: 60-130 mm (2,36-5,11 in)

3 - 1630 rpm Drilling capacity: 40-80 mm (1,57-3,14 in)

Steel base ready for anchor bolt fixing

Tilting to 45°

Quick Motor release

Dimensions: 500 x 210 x 990 mm (19,68 x 8,26 x 38,97 in)

Column weight: 13 Kg

Motor weight: 11,9 Kg



# CAROMAX 300

Made in EU - Certificate C E

## TECHNICAL FEATURES

Motor: CWEK32 with water, 3200 W - 230 V

Fitting: 1"1/4

Max drilling diameter 300 mm (11,81 in)

Useful stroke: 800 mm (31,49 in)

Column height: 1245 mm (49 in)

3 Idle speed:

1 - 420 rpm Drilling capacity: 165-350 mm (6,49-13,77 in)

2 - 820 rpm Drilling capacity: 80-160 mm (3,14-6,39 in)

3 - 1250 rpm Drilling capacity: 55-105 mm (2,16-4,13 in)

45° tilting

Quick Motor release

Column weight: 18 Kg

Motor weight: 11,9 Kg





# CAROMAX 400

Made in EU - Certificate C €

## TECHNICAL FEATURES

Motor: CWEK32 with water, 3200 W - 230 V

Fitting: 1"1/4

Max drilling diameter 400 mm (15,74 in)

Useful stroke: 500 mm (19,68 in)

Column height: 980 mm (38,58 in)

3 Velocità a vuoto:

1 - 420 Giri/Min Drilling capacity: 165-400 mm (6,49-15,74 in)

2 - 820 Giri/Min Drilling capacity: 80-160 mm (3,14-6,29 in)

3 - 1250 Giri/Min Drilling capacity: 55- 105 mm (2,16-4,13in)

45° tilting

Quick Motor release

Dual mechanical carriage feed: 1:1 and 1:2

Column weight: 18 Kg

Motor weight: 11,9 Kg



# CAROMAX 500

Made in EU - Certificate C €

## TECHNICAL FEATURES

Motor: CWEK52 with water, 5200 W - 400 V

Fitting: 1"1/4

Max drilling diameter 500 mm (19,68 in)

Useful stroke: 690 mm (27,16 in)

Column height: 1350 mm (53,14 in)

3 Idle speed:

1 - 140 rpm Drilling capacity: 320-500 mm (12,59-19,68 in)

2 - 280 rpm Drilling capacity: 160-320 mm (6,29-12,59 in)

3 - 430 rpm Drilling capacity: 110-210 mm (4,33-8,26 in)

Tilting to 90°

Quick Motor release

Column weight: 26 Kg

Motor weight: 22,9 Kg



# CAROMAX 1000

Made in EU - Certificate C €

## TECHNICAL CHARACTERISTICS

Motor: CWEKSR75 with water, 7500 W - 400 V

Fitting: 1"1/4

Max drilling diameter 1000 mm (39,37 in)

Useful stroke: 1080 mm (42,51 in)

3 Idle speed:

1 - 60 - 115 rpm Drilling capacity: 580-1000 mm (22,83 - 39,37 in)

2 - 115 - 230 rpm Drilling capacity: 290-500 mm (11,41-19,61 in)

3 - 180 - 360 rpm Drilling capacity: 190-320 mm (7,48-12,59 in)

Rack opposite the motor side

60° tilting

Quick Motor release

Column weight: 37 Kg

Motor weight: 19,5 Kg



# CAROMAX ID 700

Made in EU - Certificate C €

## TECHNICAL CHARACTERISTICS

Motor: Hydraulic AK50

Fitting: 1"1/4

Max drilling diameter 700 mm (27,55 in)

Useful stroke: 600 mm (23,62 in)

Speed: 90 - 760 rpm

Capacity: 30 - 38 l

Pressure: 120 - 200 Bar

45° tilting

Quick Motor release

Column weight: 45 Kg

Motor weight: 13 Kg



# ASPIRAMAX 1000

Made in EU - Certificates C E

## TECHNICAL CHARACTERISTICS

Power: 1200 W - 230 V

Automatic ignition option with electro-tool

Filter shaker with manual ignition

For dry vacuuming only

Capacity: 25 lt

Vacuum hose length: 3 m (118 in)

Electric cable length: 7 m (275,59 in)

Dimensions: 37 x 37 x 80 cm (14,56x14,56x31,49 in)

Weight: 14 kg



# ASPIRAMAX 25 L

Made in EU - Certificates C E

## TECHNICAL CHARACTERISTICS

Power: 1600 W - 230 V

Automatic ignition option with electro-tool

2 innovative filters with a total surface area of

8600 cm<sup>2</sup> of dust retention, as per BIA Cat. C

Automatic filter cleaning with electromagnetic pulsing

Capacity: 25 Lt

Vacuum hose length: 4,5 m (177 in)

Electric cable length: 8 m (314,96 in)

Dimensions: 57 x 36 x 37 cm (22,44x14,17x14,56 in)

Weight: 12 Kg





# ASPIRAMAX 25 M

Made in EU - Certificates C E



## TECHNICAL CHARACTERISTICS

Power: 1600 W - 230 V

Automatic ignition option with electro-tool

2 innovative filters with a total surface area of

8600 cm<sup>2</sup> of dust retention, as per BIA Cat. C

Automatic filter cleaning with electromagnetic pulsing

Capacity: 25 Lt

Vacuum hose length: 4,5 m (177 in)

Electric cable length: 8 m (314,96 in)

Dimensions: 57 x 36 x 37 cm (22,44x14,17x14,56 in)

Weight: 12 Kg



# ASPIRAMAX 50 L

Made in EU - Certificates C E

## TECHNICAL CHARACTERISTICS

Power: 1600 W - 230 V

Automatic ignition option with electro-tool

2 innovative filters with a total surface area of 8600 cm<sup>2</sup>

of dust retention, as per BIA Cat. C

Automatic filter cleaning with electromagnetic pulsing

Capacity: 50 Lt

Vacuum hose length: 4,5 m (177 in)

Electric cable length: 8 m (314,96 in)

Dimensions: 58 x 47 x 64 cm (22,83x18,5x25,19 in)

Weight: 15 Kg



# COMPLETE PLATFORM CARRIAGE

## DESCRIPTION

The **Complete Platform Carriage** is a support device for users having to drill holes in the floor using **column coring machines**. Mounting coring machines on this carriage avoids bolting to the floor, making drilling and movements faster.



# VACUMAX

## DESCRIPTION

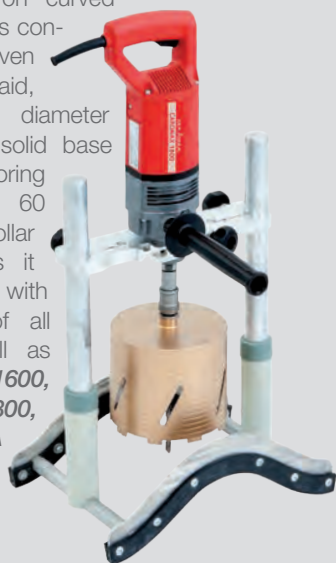
**Vacumax** is a vacuum device for fixing coring machines fitted with a base with vacuum seals, such as the **Caromax 200 and 250**. It avoids damage to the surfaces being worked on, such as a precious marble or granite floor. Not suitable for breathable surfaces.



# PIPE COLUMN

## DESCRIPTION

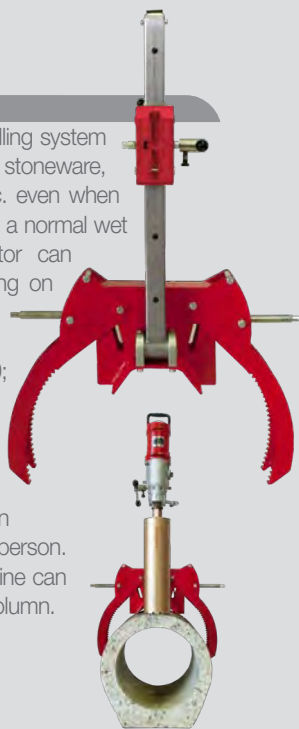
The **Pipe Column** simplifies manual drilling on curved surfaces, such as concrete pipes, even when already laid, embracing the diameter and offering a solid base for fixing to coring machine. The 60 mm (2,36 in) collar diameter makes it suitable for use with manual drills of all brands, as well as with **Caromax 1600, Caromax 1800, Caromax 210 A and Caromax 2000**.



# PIPE GRIPPER

## DESCRIPTION

**Pipe Gripper** is a drilling system suitable for pipes in stoneware, concrete, cement etc. even when already laid, on which a normal wet coring machine motor can be fitted. Details: fixing on round pipes without support up to nominal diameter 500; one flywheel for each function (fixing the PIPE GRIPPER and the motor); the easily controlled system can be used by just one person. Any wet coring machine can be mounted on the column.



## COLUMN 40

### DESCRIPTION

The **Column 40** was developed for mounting the **Caromax 800** manual coring machine, when numerous drilling holes are required or when the hole positioning demands extreme precision. Equipped with suction cups on the aluminium base, which make it ideal for drilling precious materials such as marble, granite, natural stone and porcelain stoneware.



## TELESCOPIC COLUMN 250 DELUXE

### DESCRIPTION

The **Telescopic Column 250 Deluxe** was designed to host the **Caromax 200** and **Caromax 250** thus making horizontal holes when it is not possible to drill the wall for anchor bolt or suction cup fixing one of the two coring machines. With water collection kit and 2 gas springs for easy height adjustments. For easier movements, the base has 4 wheels.



## TELESCOPIC COLUMN 400

### DESCRIPTION

The **Column 250 Deluxe** was designed to host the **Caromax 200, 250 and 400** thus making horizontal holes when it is not possible to drill the wall for anchor bolt or suction cup fixing one of the two coring machines. With water collection kit and 2 gas springs for easy height adjustments. For easier movements, the base has 4 wheels.





# BASE FOR VACUUM SYSTEM

## DESCRIPTION

**Base for Vacuum System** in aluminium with seal and nipples for universal vacuum fixing of coring columns, useful with coring machines without this type of base.



# WALL CLAMP

## DESCRIPTION

The **Wall Clamp** is ideal for fixing **Caromax 160, Caromax 200 and Caromax 250** coring machines to fencing walls. Ideal for making numerous holes in series, such as when fixing fences, with drastic savings in terms of hole drilling times.

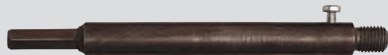


# ACCESSORIES FOR DRY CORING



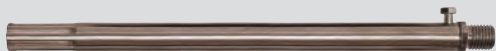
## CYLINDRICAL CENTRING DRILLS

The **Cylindrical centring bits** are for use in combination with Hexagonal, SDS and SDS Max fittings. Available in two lengths: 220 mm (8,66 in) for dry core bits length 150 mm (5,9 in) and 270 mm (10,62 in) for dry core bits length 200 mm (7,87 in).



## HEXAGONAL CONNECTION

Made from superior quality steel and suited for high torsional stresses transmitted and concentrated in the fitting points, **Hexagonal fittings** are available in 110, 220, 370 and 450 mm (4,33, 8,66, 14,56 and 17,71 in) lengths. Use with dry core bits with M16 fitting mounts on manual coring machines with keyed chuck.



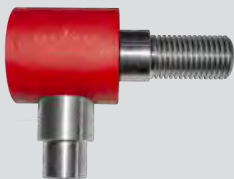
## SDS MAX CONNECTION

Available only in 120 and 300 mm (4,72 and 11,81 in) lengths, the **SDS Max fittings** are used with M16 dry core bits on hammers or hammer drills with SDS Max clamping. Limit the use to core bit diameters above 127 mm (5 in), as the rotational speed of these machines is particularly low, so unsuited to diameters below 127: in this case, the core bit would not be able to penetrate the material, which would overheat and lead very quickly to breakage.



## QUICK ADAPTERS

The **Quick Adapters** are made from high quality steel for mounting and removing the SDS centring bit from the adapter with a click, making the operation quick and easy. Available with M16, M18, 5/8, 1/2 gas and hexagonal threads.



## ROTATING HEADS

The **Rotating Heads** are the main accessory required for vacuuming dust during coring with core bits with 1 1/4 coupling and maximum length 300 mm (11,81 in). Made in aluminium and mounted on ultra-low friction bearings, they guarantee that the maximum coring machine motor power is transferred to the diamond core bit. Available with M18, 1/2 GAS, 1 1/4 and 5/8 threads. Use with Vacuum 300 core bits.



## SDS CENTRING BITS

The **SDS Centring Bits** are used in combination with Quick Adapters. Available in two lengths: 230 mm (9 in) for dry core bits length 150 mm (5,9 in) and 260 mm (10,23 in) for dry core bits length 200 mm (7,87 in).



## SDS CONNECTION

Made from superior quality steel and suited for high torsional stresses transmitted and concentrated in the fitting points, **SDS fittings** are available in 110, 220 and 370 w (4,33, 8,66, 14,56 in) lengths. Use with dry core bits with M16 fitting mounts on a drill with slot-in SDS Plus chuck.



## EXTENSIONS

All the **Extensions** are made in high quality steel suited for high torsional stresses transmitted and concentrated in the fitting points. Available in different lengths from 100 to 250 mm (3,93 to 9,84 in) and in various thread combinations - M16, M18, 5/8, 1 1/4 and 1/2 gas (see price list for more information).



## ADAPTERS

A wide range of **Adapters** in high-resistance steel are available in length 50 mm (1,96 in) and with various combinations of threads for mounting core bits on the majority of coring machines on the market (see price list for more information).



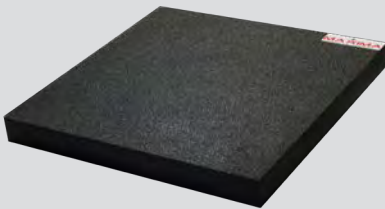
## CENTRING PISTON

The **Centring piston** is the innovative Vacuum 300 core bit centring system. Suited for diameters less than 112, it maintains efficient dust vacuuming even when inserted in the coupling, i.e. before drilling. The bayonet coupling makes it practical and easy to insert and remove. Remove it from the fitting as soon as the core bit has made the hole, i.e. 0,5/1 cm hole depth, to avoid damage and/ or pointless stress.



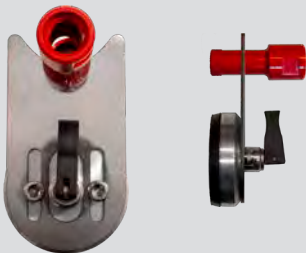
### CENTRING PLATES

The **Centring plates** facilitate the centring in the wall of Vacuum 300 core bits which, for practical and technical reasons do not have their own centring system. They are fixed with two small nails to brick or with a small plug on concrete. Available for core bits with diameter from 32 to 205 mm.



### TOOL DRESSING STONE

The **Tool Dressing Stone** is a small brick made from highly abrasive material. It is used to restore the original sharpness to the tool, after this has lost its shine after many uses or when the material is particularly difficult to cut or drill.



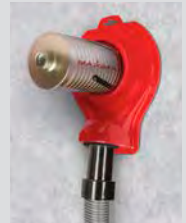
### FRG CENTRING DEVICE

With a suction cup and metal support, the **FRG Centring device** was developed for the Red Stoneware Core Bit, and makes centring operations simpler. Sturdy and reliable, it can be used with core bits with diameter 6 to 40 mm (0,23 to 1,57 in).



### VACUUM KIT

Practical and functional **Case** containing everything you need for dust vacuuming. Designed as a turnkey kit. Includes a Rotating Head M18, two spanners size 36 and 41, centring plates diameter 112,122,127,132,142,152,162,182,205,2 copper rings, a 200 mm long 1"1/4M-1"1/4 F extension, a 200 mm long 1/2 gas extension and a centring piston.



### CUFFIAMAX

With a flat, regular surface, the **Cowl** for Laser Gold Spiral Core Bit, Black Spiral and Laser Silver Core Bit is ideal for dust vacuuming. Available in two sizes: Cowl 82 for drilling with core bits with maximum diameter 82 mm (3,22 in); Cowl 162 for drilling with core bits with maximum diameter 162 mm (6,37 in). Can be used with any professional vacuum.



### CENTRING DEVICE FRG 0-60

With a suction cup and metal support, the **FRG 0-60 centring device** was developed for the Red Stoneware Core Bit, and makes centring operations simpler. Sturdy and reliable, it can be used with core bits with diameter 6 to 60 mm (0,23 to 2,36 in).

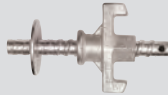


# WET DRILLING ACCESSORIES



## EXTENSIONS

All the **Extensions** are made in high quality steel suited for high torsional stresses transmitted and concentrated in the fitting points. Available in three lengths (100, 200 and 250 mm/3,93, 7,87 and 9,84 in) and in various thread combinations - 1/2 gas and 1"1/4.



## ANCHOR BOLTS FOR CORING MACHINES!

The **Plugs for coring machines** are strong-holding plugs developed specifically for fixing column coring machines, with threading onto the plug M12 Female.



## SPARE BUSHINGS

The **Spare bushings** for Plugs for coring machines have a M12 Male thread and are sold only in packs of 25 pieces.



## ANTI-BLOCK RINGS

The **Anti-Block Rings** come in two sizes, for use with M16 and 1"1/4 fitting core bits, and are made in copper. Positioned between the fitting and the core bit or between the coring machine chuck and the fitting, like normal metal washers they make it easier to remove the elements (fitting and core bit) when the job is finished.



## ADAPTERS

A wide range of **Adapters** in high-resistance steel are available in length 50 mm (1,96 in) and with various combinations of threads for mounting core bits on the majority of coring machines on the market (see price list for more information).



## REDUCTION COLLARS

The **Reduction Collars** are made in teflon for mounting on the **Column 160 and 200** of the various types of manual coring machines on the market. Available in 4 sizes: 60-49 mm (2,36-1,92 in); 60-51 mm (2,36-2 in); 60-53 mm (2,36-2,08 in) and 60-56 mm (2,36-2,20 in).



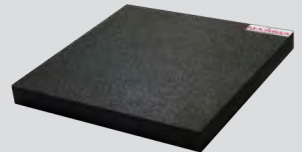
## WATER COLLECTOR

The **Water Collector** is used on flat, even surfaces when the water used to cool the tool has to be recovered. Connect to a professional vacuum for dust and liquids with a sufficiently large tank, e.g. Aspiramax 50 L. For cups up to maximum diameter 350 mm (13,77 in). When wet coring, this drastically limits water leakage. Ideal for coring in homes.



## SPANNERS

The **spanners** are used for mounting and removing diamond core bits from different types of fitting. They are usually included in the standard equipment kit of various coring machines, but are also available as spare parts in sizes 22, 24, 32, 36, 41 and 46 mm (0,86, 0,94, 1,25, 1,41, 1,61 and 1,81 in).



## TOOL DRESSING STONE

The **Tool Dressing Stone** is a small brick made from highly abrasive material. It is used to restore the original sharpness to the tool, after this has lost its shine after many uses or when the material is particularly difficult to cut or drill.



## PORTABLE TANK

For wet coring with small diameters (i.e. requiring a limited amount of water). **Portable Tank** to use where there is no handy water source on the construction site. 15 litre capacity. The water dispensing pressure is obtained manually. Sturdy but lightweight, easy to transport.



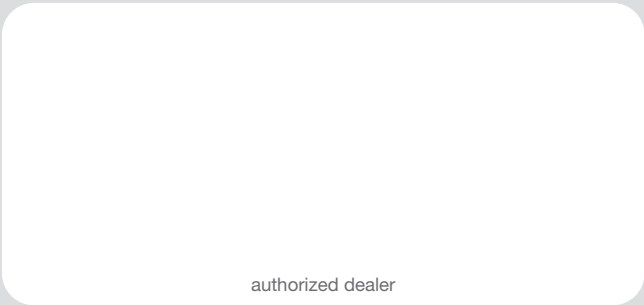
## TANK WITH ELECTRIC PUMP

For small and medium diameter wet coring. **Tank with electric pump**, to use where there is no handy water source on the construction site. The water dispensing pressure is obtained by an electric pump powered by a 12 V battery. Water flow 4 l/min. The 40 litre capacity and reduced weight, just 19 Kg, make it easy to transport. - Dimensions: 43.5 x 36 x 89 cm. Supplied with 6-metre long water hose.



Ø mm	Ø inches
6	0,23
8	0,31
10	0,39
12	0,47
14	0,55
15	0,59
16	0,62
18	0,70
20	0,78
21	0,82
22	0,86
24	0,94
25	0,98
26	1,02
28	1,10
30	1,18
32	1,25
35	1,37
37	1,45
38	1,49
40	1,57
42	1,65
45	1,77
50	1,96
52	2,04
55	2,16
56	2,20
57	2,24
60	2,36
62	2,44
65	2,55
66	2,59
68	2,67
70	2,75
72	2,83
76	2,99
80	3,14

Ø mm	Ø inches
82	3,22
86	3,38
90	3,54
92	3,62
100	3,93
102	4,01
107	4,21
112	4,40
122	4,80
127	5
132	5,19
142	5,59
152	5,98
162	6,37
172	6,77
182	7,16
192	7,55
200	7,87
202	7,95
205	8,07
215	8,46
225	8,85
250	9,84
260	10,23
272	10,70
300	11,81
302	11,88
350	13,77
352	13,85
400	15,74
450	17,71
500	19,68
600	23,62
700	27,55
800	31,49
900	35,43
1000	39,37



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