

BUILDING & CONSTRUCTION



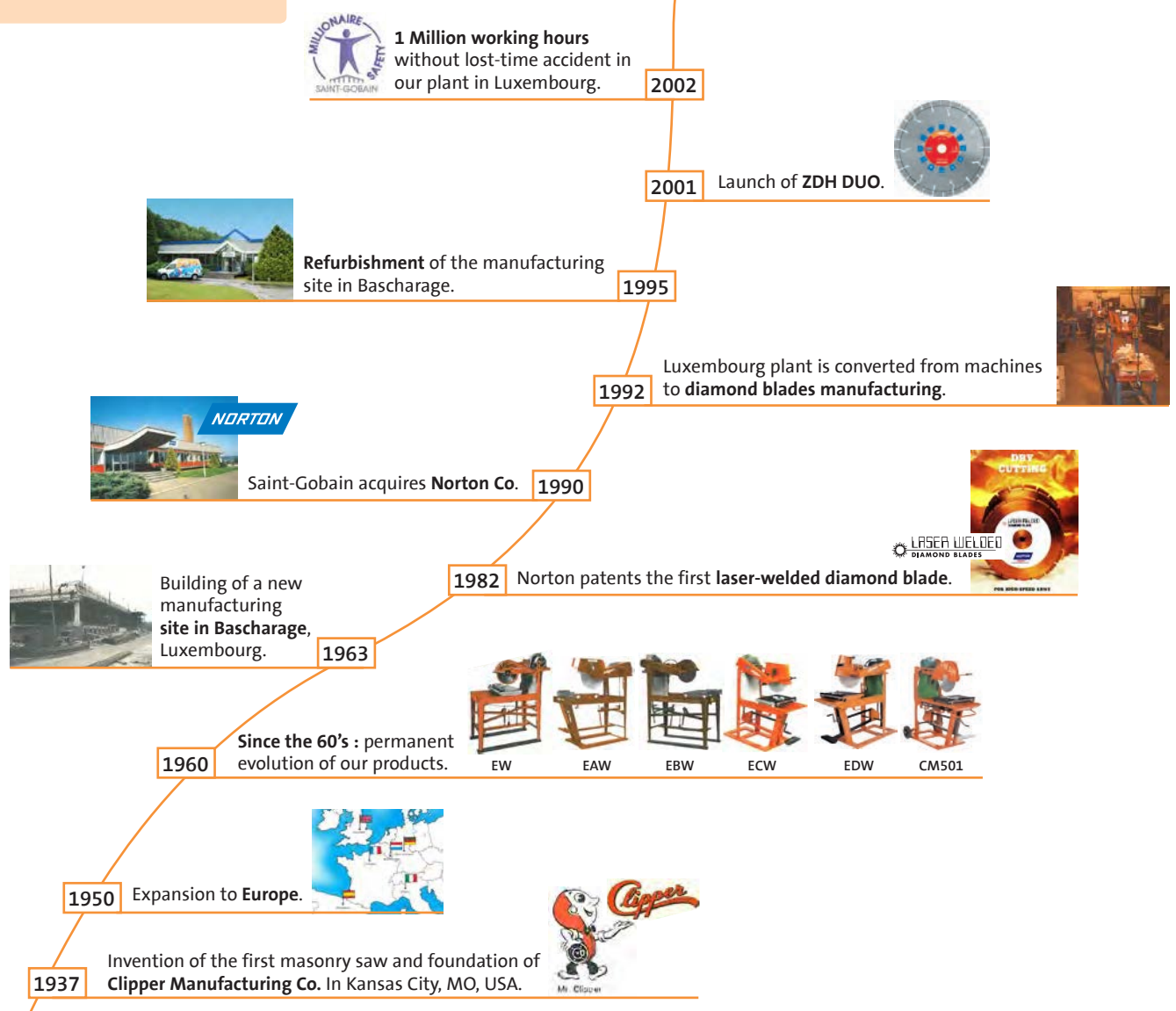
NORTON
SAINT-GOBAIN

clipper®



The Norton Company was established in Worcester, Massachusetts in 1885 and is part of Saint-Gobain group, one of the world's largest manufacturing companies. Norton is the only abrasive tool manufacturer that produces each type of abrasives, with constant innovation.

Clipper was founded in 1937 and established its European facility 50 years ago in 1963. Inventor of the first laser-welded diamond blades, Norton Clipper products are at the forefront of performance, user-friendliness and have reduced impact on the environment.



EUROPEAN PRODUCT GUIDE 2013

For Building and Construction

Norton Innovations	4
Building our environment together	6
Adding value through services	8
Merchandising solutions	10
The Norton Clipper product range	12
The "Best Of" Norton Clipper diamond blades	13
The diamond blades recommendation guide	14

NORTON-CLIPPER Diamond Tools

Diamond tools index	16
Concrete and concrete products	18
Quickfix universal mounting system	23
Silencio	24
Building materials	26
4x4 Explorer +	36
Asphalt and abrasive materials	38
Tiles and natural stone products	42
Refractory materials	50
Core bits	53
Grinding diamond tools	69
Thin wheels	73

CLIPPER Machines

Machines index	80
 Wall chaser	82
 Tile saws	83
 Masonry saws	93
 Floor saws	109
 Core drilling	123
 Dust extractors	145
 Power floats	147
 Grinding & polishing machines	153
Machines spare parts	155

Technical support

Machines Clipper's advice	161
Safety & recommendations for diamond blades	168
The blade and machine marking systems	169
Thin wheels Clippy's advice	170
Safety : the number 1 priority for Norton	172
After-sale	173
Troubleshooting diamond products	174



NORTON INNOVATIONS

Each year NORTON invests substantially in research and development to improve quality and performance of diamond products. The following highlight NORTON breakthrough developments.



***LASER**

NORTON, inventor of the laser-welded diamond blades

In the early Eighties, NORTON revolutionised the diamond blade market by developing the process of laser welding diamond segments to the steel centre. This allowed, for the first time, diamond products to cut dry on a very wide range of masonry and construction materials, returning exceptional speed of cut and long life when compared with conventional abrasive wheels. The products could also be used on angle grinders and petrol saws with complete safety.



The NORTON Quickfix mounting system allows the safe use of the same diamond blade on saws with different arbor diameters (see details at page 23).

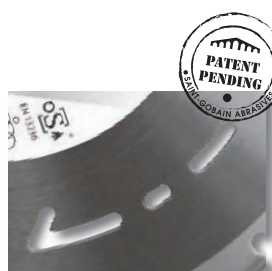


A. Diamond blades with ellipsoidal shaped gullets.

The NORTON patented ellipsoidal gullets substantially increases the products safety by significantly decreasing the risk of cracking in the steel centre. The design is so successful that it enables the 4x4 Explorer range to safely cut metals up to 5mm thickness.

B. Diamond blades with arrow shaped gullets.

Blades in the DUO range of diamond blades are equipped with exclusive designed gullets in the steel centre, in the shape of arrows indicating the direction of rotation of the blade, and allowing fast removal of cutting debris for larger life.



NORTON's patented depth of cut indicator

The depth of cut is easily controlled. The steel centre is permanently marked with patented slots that combine the direction of rotation and depth indicators. When the blade revolves the depth of cut can be seen through the stroboscope effect. This allows the operator to work faster because the depth of cut is controlled and blade life increases because over cutting is eliminated.



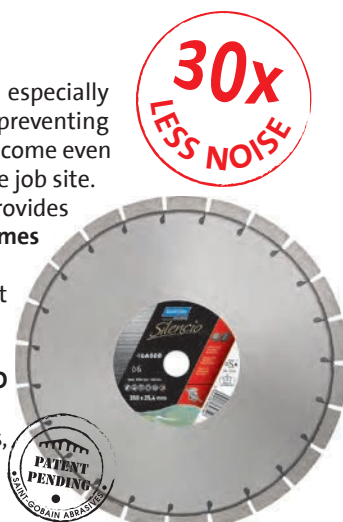
Residential areas, city-centres, schools and hospitals are especially sensitive to noise with more and more local regulations preventing excessive noise levels. The use of silent diamond blades has become even more relevant since they can drastically reduce the sound generated directly at the job site. The new laser-welded **NORTON SILENCIO** features a new technology that provides unprecedented noise-dampening effect, reaching reductions of **up to 15dB – 30 times less noise !!**

Our **patent-pending** steel core design provides, for the first time, a solution against the disturbing high-pitched whistling effect on masonry and floor saws.

With **15mm high segments** and a bespoke specification for each application, **NORTON SILENCIO** displays the best cutting performance in the NORTON CLIPPER diamond blade range.

NORTON SILENCIO is the most efficient solution for granite, concrete and general purpose materials, while protecting the surrounding area from disturbing cutting noises.

(see details at page 24)



TR250H DF

Phenomen



- DRY CUTTING – NO DUST.
- Very accurate cutting (with guide).
- Specially designed cover and cutting platform to collect and eliminate dust (patent pending).
- Cable protection for increased safety.
- Automatic start for dust extraction unit.
- Folding legs with wheels.
- Immediate fixing of tile, without need of drying it.



“The Phenomen saves time for tilers ! “



The new CLIPPER TR250H DF comes with the Norton Clipper SUPER GRES XT Ø250mm diamond blade, specially designed for dry cutting of hard tiles, ceramics, gres, terracotta porcelanato...

(see details at page 91)

CS451

The European Directive 2002/44/EC makes employers liable for the damages caused by hand-arm vibrations to their employees and indicates the maximum and recommended amount a daily vibrations a user can handle each day.

The CLIPPER CS451 is our newest floor saw, designed to combine improved robustness and functionality with the lowest amount of hand-arm vibrations of its class. With 40% less vibration than its predecessor, the CLIPPER CS451 enables the user to operate it safely on a full-day of work.



(see details of the machine at page 113 and information on the “Vibration Directive” on page 164)



BUILDING OUR ENVIRONMENT TOGETHER

Habitat Centre of Excellence

As the world leader in designing, manufacturing and distributing Habitat and construction materials, Saint-Gobain is committed to meeting some of the fundamental challenges faced by the world today: reducing energy consumption, limiting our impact on the environment, and creating a new generation of buildings which are safe, comfortable and energy efficient.

Today we are leaders in all our industry sectors, providing proven, easy-to-use systems aligned to local needs, practices and legislative requirements in every part of the Habitat and construction markets, from homes to public buildings and offices, and from new-builds to renovation projects.

Abrasives combines with the other Saint-Gobain businesses to offer a complete solution for those who work within Habitat markets :



Plumbing



Building



Carpentry



Painting & Decorating



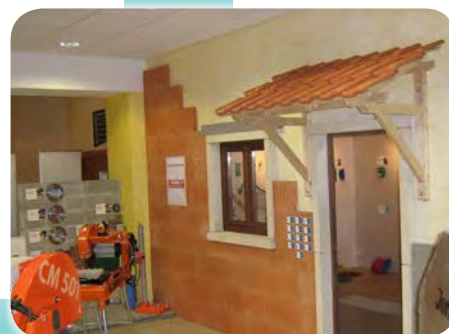
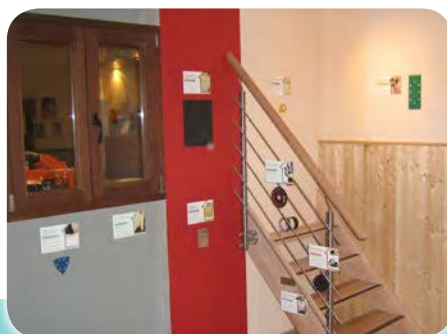
Tiling

Some of Europe's most respected companies and brands in the Habitat and construction sectors are part of Saint-Gobain :



Habitat Centres of Excellence

Our state-of-the-art product testing facilities or 'Centres of Excellence' are paramount to continuing our commitment to delivering technological excellence. Located in our manufacturing plants across the globe, each centre concentrates on the development of exciting new products for all abrasive applications and contributes to the product knowledge of our sales teams and customers.





ENVIRONMENTAL IMPACT

We seek to enhance and improve the environment by factoring it in at every stage of our operations. Saint-Gobain has strong environmental management systems in place, from initial product development stages, to the end of the product life cycle, through reduced consumption of raw materials and management of natural resources, to waste management and recycling, helping us to reduce energy consumption and our environmental footprint.

Raw Materials – utilising responsibly sourced material and preserving natural resources is a high priority so our Coated Abrasive plants manufacturing paper backed products and most of our printed literature are now FSC certified.

Manufacturing – all Saint-Gobain Abrasive manufacturing plants implement an Environmental Management System and are certified with the ISO 14001 standard. Eighty percent of manufacturing sites in the Saint-Gobain group are now ISO 14001 accredited, with a particular focus on reducing carbon dioxide (CO₂) emissions through improving energy efficiency, reducing energy expenditure, lessening transportation through lowering fuel consumption and developing alternatives to trucking such as sea, river and rail links.

Product impact during use – through R&D we look to develop solutions for our coated, diamond blades and cutting-off and grinding wheels in providing less dust, noise and vibration during use and aim to create products that last longer and work faster.

Waste management and recycling – new production processes are regularly implemented to help minimise waste created through all manufacturing procedures. Major emphasis is also placed on decreasing land-fill waste and promoting recycling to reduce waste volume and future raw material consumption.



OUR INTERNATIONAL COMMITMENTS

By joining the United Nations Global Compact in 2003, Saint-Gobain Group confirmed our commitment to sustainable development in line with its Principles of Conduct and Action. In January 2009, the Group took its commitment to the UN Global Compact one step further by endorsing the Caring for Climate statement and the CEO Water Mandate for Water Resource Protection as part of the UN's Millennium Development Goals.



HEALTH & SAFETY

Commitment to health and safety is paramount and is reflected in the Habitat initiative through all aspects of the business. Saint-Gobain promotes a culture across all its functions where safety is of the highest value and priority, with an objective of zero work related accidents.

Our abrasives are designed and produced to the most stringent quality standards to guarantee optimum personal safety and user comfort. Saint-Gobain Abrasives is a founder member of FEPA, the Federation of European Producers of Abrasives, dedicated to the promotion of safety in the use of abrasives and is actively involved in the preparation and implementation of the European (EN) and International Standards (ISO) for Abrasives and Grinding Machines.

Norton Expert products comply with all expectations of European health and safety standards. OSA, the Organization for Safety of Abrasives pursues in close collaboration with FEPA, the objectives of supporting both the currently attained safety standards for abrasive products and their further developments.





ADDING VALUE THROUGH SERVICES

SALES SERVICE & SUPPORT

Customer service & sales representatives

Our customer services and field sales representatives are your first point of contact with Norton. They will help you select the best solution for each cutting, drilling and grinding applications.

Each of our sales personnel receives regular in-depth technical training in the scope of the Saint-Gobain Abrasives University.



EDI

Electronic Data Interchange



E-Commerce solutions

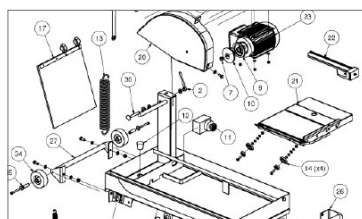
EDI (Electronic Data Interchange) connects directly our Customers ordering system with our SAP system and supply chain software. With EDI, customers' purchase orders are registered and acknowledged automatically, launching the manufacture and shipping of the goods.

Abrasive Connection is a secured online E-commerce tool that allows to do business 24h a day - 7days a week. It offers product search, online order-entry and order-tracking.

Distribution centres

With two main logistics platforms and several local distribution centres all over Europe, our logistics professionals ensure that the Norton products reach you on time.

Quick and special delivery services can be arranged upon request to best suit the end-users' requirements (*conditions apply*).



Technical support & after-sales service

Detailed machines spare-parts lists help distributors and fitters identify the required parts for the maintenance of Clipper machines. Our customer services can provide help for special enquiries and technical support on equipment repairs.

For challenging technical issues preventing on-site repairs, our technical service centre, based at our headquarters in Luxembourg, can analyse and estimate the repair costs (*conditions apply*).

Product training

Our network of "Habitat Centres-of-Excellence" located on our main manufacturing plants in Europe provides platforms for practical hands-on training, and for education and promotion of our building & renovation product packages. The Saint-Gobain Abrasives University offers bespoke programs for our sales people, our distributors and trade professionals.



Demonstration vans

Thanks to our fully equipped vans available in many European countries, we can organize product demonstration, and animate open-days at distributors' premises, trade fairs or road-shows.

Hands-on practical tests with our technical experts teach the end-users how to better use our Norton Clipper products and benefit the most of our innovations.

LET US HELP YOU !

MARKETING & MERCHANDISING

Literature & communication

The Norton-Clipper catalogue is our primary marketing tool. It provides all the required information to help our distributors present the features and benefits of our products in a clear and understandable way. We also have a complete range of "Specialist brochures" displaying dedicated extracts of our product range to a specific customer group, and other literature for detailing product specifications or health & safety issues like noise, vibrations or EN13236 safety standard.



Promotions & adverts

Our marketing departments in each country across Europe actively promote our products and work at building the awareness of our brand among the users of diamond tools and construction equipment. Each year, several sales campaigns are launched, with attractive incentives for end-users and distributors. Press releases and newsletters inform professionals, journalists and distributors on our latest products and news.

Merchandising tools & Planogram

Effective merchandising is a powerful tool not only in increasing sales and profitability but also in building credibility with end users. Take advantage of our professional planogram service (Spaceman) to set-up a merchandising format specific for your product selection.

Our range of merchandising units and POS graphics help to display product and information in a professional, vibrant, educational format. See more details at pages 10-11.



Trade shows & open-days

Trade shows and distributors' open-days are wonderful opportunities to meet the end-users and build awareness for the Norton-Clipper brand. They also help to forge stronger relationships with distributors.

Norton Clipper exhibits each year at several construction market trade shows in Europe and takes part to countless distributors' open-days.

ONLINE SERVICES

www.construction.norton.eu

Visit our website to access a wealth of valuable information :

- Technical and safety information on our products.
- News & Events.
- Literature (brochures, catalogues) & media library.
- Product selection tool to make the best usage of the Norton Clipper products.
- Technical datasheets, user manuals and spare parts lists for after-sales service.



Media Centre

A secure online media library where customers may be granted access to download and use Norton product images, videos, logos, etc. to help in creating their own marketing collateral.



MERCHANDISING SOLUTIONS

Merchandising plan

We can provide a comprehensive and flexible solution for the display of our products, including various tools such as :

- Wall-displays with hooks
- Clear and informative Point-of-Sale tools (headers, bus-stops, recommendation charts...)
- Planogram solutions for optimizing your display space



Contact us for more details on merchandising solutions.

2x1m wall-display with hooks

Made in metal, with a bottom shelf for large items, and a top pediment to display brand information. Delivered with a set of standard hooks.
See secured lockable hooks at bottom of next page.

Wall display with standard hooks	510007596	L1000 x H2000 x W560mm
----------------------------------	-----------	------------------------



Dry corebit sets display stand

Display and take-away unit for dry drilling corebit sets. Made in metal, with a hard transparent cover to protect the displayed item.
Can hold 5 suitcases for take-away, plus one on top for display.

Corebit set stand-up display	810024246	L565 x H390 x W290mm
------------------------------	-----------	----------------------

Modular Clipper drilling corner

Compose and arrange the display to your liking with this metal modular system.
Vertical totem for drilling motors and accessories. Can be equipped with an optional digital frame to show films.
Slotted cube for displaying complete drill rigs with motors.

1 - Drilling Clipper corner totem	510083955	L485 x H400 x W1980mm
2 - Drilling Clipper corner cube	510083956	L620 x H500 x W500mm





Clipper tile saws lecturn

A stand-alone display unit for small tile saws (up to TT250G) and a set of diamond blades. Made in hard laminated wood. With embedded ring binder to display related literature.

Tile saws lecturn (English version) *	66254479276	1m ² floor space
---------------------------------------	-------------	-----------------------------

* please contact us for documents in your local language.

Clipper counter display and other communication tools

Strong cardboard counter display unit, for up to 12 diamond blades from 115 to 350mm. Other communication tools exist, such as stand-up banners or booth equipment for fairs.

1 - Counter display	66254499498	L545 x H530 x W480mm
2 - Floor saw display	510083756	L1320 x H1400 x W600mm



Clipper tile saws corner

The ideal shop-in-shop solution for your Clipper tile saws. Composed of a large metal table, with a totem on top for displaying literature and diamond tools.

Tile saws up to TR201E can be stored beneath the table for take-away. See secured lockable hooks at bottom of the page.

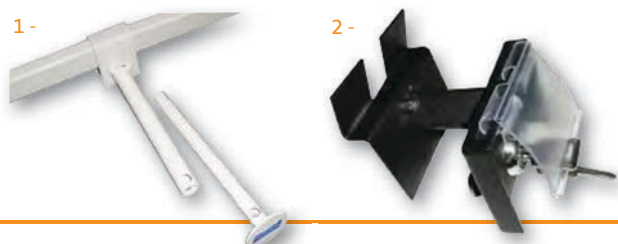
Tile saws corner (1 table + 0,8m tall totem) *	510085218	2m ² floor space
--	-----------	-----------------------------

* please contact us for documents in your local language.

Secured lockable hooks

For the 2x1m wall display : long hook with lockable with padlock, suitable for diamond blades and abrasive cut-off wheels.
For the clipper corner : short lockable hook with key.

1 - Safety lockable hooks for the wall display 1x2m	510018714
2 - Safety lockable hooks for the Clipper corner	510080899





THE NORTON CLIPPER PRODUCT RANGE

★★★★★ CLIPPER DYNAMIC



CLIPPER Dynamic is NORTON's TOP-OF-THE-RANGE product line incorporating the LATEST TECHNOLOGY in segment and core design. The range is INNOVATIVE and designed to meet the requirements of the professional building and construction market with the HIGHEST LEVELS OF PERFORMANCE with regard to speed of cut, product life, ease of use and safety. These benefits results in lower overall operating costs.



★★★★☆ CLIPPER PRO



CLIPPER Pro is a range of HIGH PERFORMANCE products delivering higher than average performance with regard to speed of cut and product life. The products are designed for EASE OF USE and manufactured to the highest SAFETY standards. Perfect for PROFESSIONALS and for INTENSIVE use.

★★★☆☆ CLIPPER CLASSIC

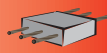


The CLIPPER Classic range is a QUALITY COST EFFECTIVE range giving a GOOD ALL ROUND performance with regard to speed of cut and product life. The products are manufactured to the same safety and quality standards as the other ranges.

Easily identify the material to cut with our colour code :

Concrete and concrete products

Reinforced concrete, cured concrete, kerb stones, concrete pipes, engineering bricks, facing bricks, refractory bricks, flagstones and paving stones, block paving, washed gravel concrete slabs, natural stone, flint, sandstone, limestone.



Universal use - building materials

Reinforced concrete, cured concrete, kerbs, concrete pipes, bricks, block paving, flagstones and paving stones, washed gravel concrete slabs, natural stone, sandstone, limestone, flint.



4x4 Explorer +

Concrete, reinforced concrete, asphalt over concrete, granite, building materials, thin steel sections.



Asphalt and abrasive materials

Asphalt, asphalt over concrete, green concrete, bitumen, cement joints, breeze blocks, Lignacite blocks.



Natural stone and tiles

Granite, marble, slate, hard natural stone, tiles - porcelain, ceramic, vitrified reconstituted stone.



A simple colour code system to match the diamond product to the material to be cut.



Clipper machines are the reference in the industry and construction business, contributing to position NORTON as the leader of diamond technology. Excellence is our motto and our engineers are professionals eager to design highly performing, robust and safe equipment.

Electric Angle Grinder (ø 105-230mm)

Petrol Hand Held Saw (ø 300-400mm)

Table Tile Saw (ø 180-250mm)

Rail Tile Saw (ø 200-250mm)

Masonry Saw (ø 300-600mm)

Large Block Saw (ø 650-1000mm)

Floor Saw (ø 300-1200mm)

Portable Hand Held Core Drill Motor

Core Drill Rig and Motor

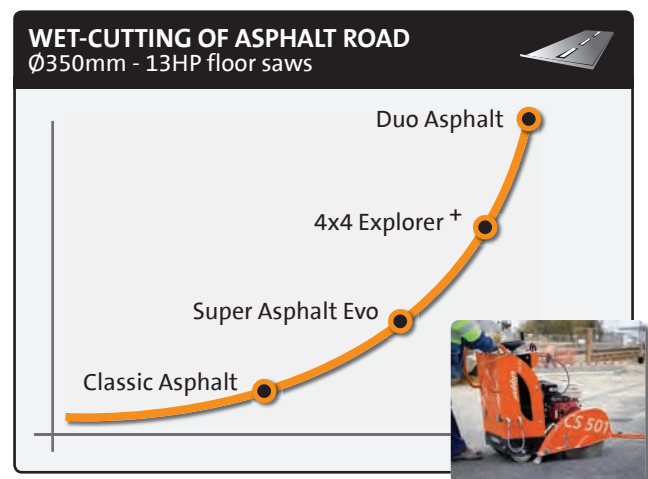
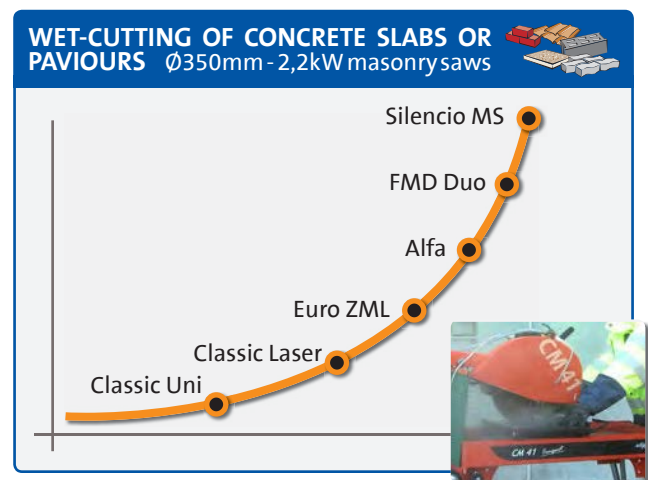
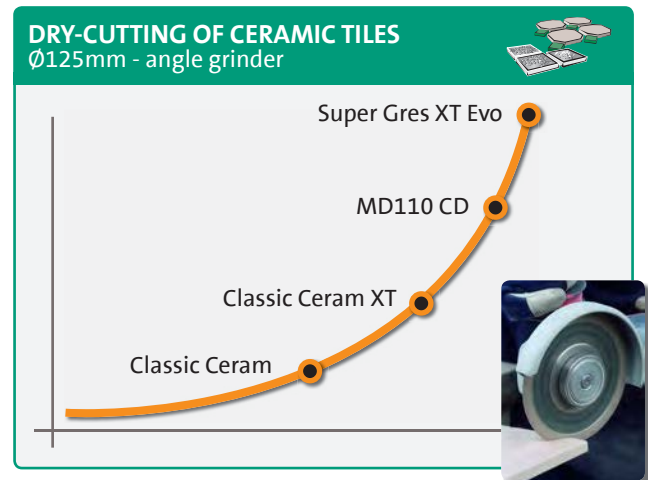
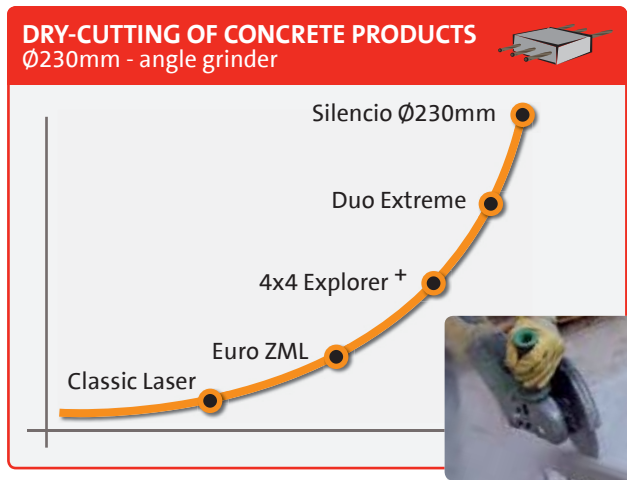
Mechanical Power Float

Grinding Machine

Wall Saw

THE “BEST OF” NORTON CLIPPER DIAMOND BLADES

The Norton Clipper diamond blades range offers a vast choice of products for all cutting applications, from cost-effective all-round products to high performing specialty diamond blades. The graphs below display the best choices for the 6 key applications in our market *.



* These graphs indicate only a relative positioning of the different specifications one to another.



Wet/Dry usage symbols		Performance key	
	Wet cutting		Highly Recommended
	Wet or dry cutting		Recommended
			Occasional use

Hard facing bricks	Reinforced concrete - lintels	Concrete paving slabs	York stone paving slabs	Concrete pipes/kerbs	Medium facing bricks	Slate	Limestone (Bath, Portland, York)	Limestone concrete	Medium block paviors	Concrete roof tiles	Sandstone	Gritstone	Asphalt over concrete	Breeze blocks up to 27N	Low density insulation blocks 27N	Mortar jointing	Asphalt	Green concrete	Lignacite blocks	Chasing hard	Chasing abrasive (max. 5mm)	Glass	Plastics & Composite materials
👉👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉👉	👉	👉	👉
👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉	👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
👉👉	👉👉	👉👉	👉👉	👉👉	👉👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉	

DIAMOND PRODUCTS RANGE



Concrete & Concrete Products

	Duo Extreme	★★★★★	18
	Super Beton Evo	★★★★★	19
	Classic Beton	★★★★★	19
	ZDH 500	★★★★★	20
	Titan-X	NEW ★★★★★	20
	Revex LB	NEW ★★★★★	21
	Ring BETON	★★★★★	21
	WS-Groove	NEW ★★★★★	22

Multi - Bore Accessory

	Quickfix		23
--	----------	--	----

Silent Diamond Blade

	Silencio	<i>Silencio</i>	★★★★★ 24
--	----------	-----------------	----------

Multi - Purpose

	4x4 Explorer	<i>Explorer+</i>	NEW ★★★★★ 36
--	--------------	------------------	--------------



Building Materials

	Euro ZML Evo	★★★★★	26
	Classic Laser	★★★★★	27
	Classic Uni	★★★★★	27
	Aero Jet Evo	★★★★★	28
	Euro Jet	★★★★★	29
	Classic Jet	★★★★★	29
	FMD Duo	★★★★★	30
	ALFA	★★★★★	31
	BS 10	★★★★★	32
	BS U	★★★★★	32
	BS 7	★★★★★	32
	TP	★★★★★	33
	TP - V	★★★★★	33
	Ring UNI	★★★★★	33
	CG 2	★★★★★	34
	CG Turbo	★★★★★	34
	CG Slant	★★★★★	34
	Cut'N Grind	★★★★★	35

Refractory Materials

	RC400	★★★★★	50
	RC465	★★★★★	51
	RC525	★★★★★	51
	RC540	★★★★★	51
	RC575	★★★★★	51

	ZDH 500	★★★★★	52
	ZDM 200	★★★★★	52
	ZMD 944T	★★★★★	52



Aluminium flange



Asphalt & Abrasive Materials

	Duo Asphalt	★★★★★	38
	Super Asphalt Evo	★★★★★	39
	Classic Asphalt	★★★★★	39
	Platinum WG SL NEW	★★★★★	40
	M45 Evo	★★★★★	40

Core Bits - Dry

	Plumber kit	★★★★★	54
	ARID9	★★★★★	55
	ARID7	★★★★★	55
	ARID5	★★★★★	55
	Pro ARID DS	★★★★★	56
	Classic ARID DS	★★★★★	56

Core Bits - Wet

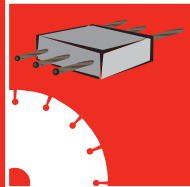
	DD5 Gold NEW	★★★★★	57
	Classic CDT	★★★★★	57
	PRO CB BETON XT	★★★★★	57
	TilerKit	★★★★★	58
	Diamond Tile Drills	★★★★★	59
	Pro CERAM VB Dry NEW	★★★★★	59
	O'Tip	★★★★★	60-61
	X3	★★★★★	62
	Pro CB BETON Segmented	★★★★★	63
	Classic CB BETON	★★★★★	64
	Pro CB GRANIT	★★★★★	65
	TWICS	★★★★★	66
	Pro CB BETON Crowned	★★★★★	67
	ROBO FORSHEDA	★★★★★	68

Tiles & Natural Stones

	Pro Surf	★★★★★	35
	Super Gres XT Evo	★★★★★	42-44
	MD 110 CD	★★★★★	43
	Classic Ceram XT	★★★★★	43
	Classic Ceram	★★★★★	43-44
	MD 120 C	★★★★★	44
	Ceram XJ	★★★★★	45
	Marmo Pro	★★★★★	45
	Pro Glass	★★★★★	45
	Duo Granit	★★★★★	46
	Granit Turbo Laser	★★★★★	47
	Super Stradalit Evo	★★★★★	48
	Granito	★★★★★	49
	Pro Stone	★★★★★	49

Other Tools

	Grinding Diamond Tools	69
	Thin Wheels	73



DIAMOND BLADES

Concrete & Concrete Products

NEW DUO EXTREME

★★★★★
Dynamic

Ø 115-400



LASER



It's called EXTREME for many reasons...



Features

- 15mm segment height.
- Unique segment design.
- Exclusive "Arrow" shaped gullet slots.
- Duo concept : two trapezoidal segments.
- Laser welded segments.

Benefits

- Exceptionally long life.
- Optimises the angle of attack and removal of cutting debris.
- Very fast cutting.
- Extreme comfort.
- Fast removal of cutting debris.
- Permanently indicates the correct direction of rotation.
- Excellent cutting speed.
- High comfort of cut and low vibration.
- Optimum safety against segment lost.



DUO EXTREME 230mm



DUO EXTREME 300mm



DUO EXTREME 350mm
on a CS451 (see page 113)



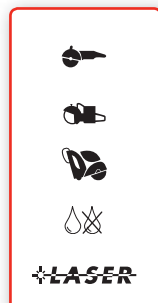
DUO EXTREME IMPROVED !

Dynamic

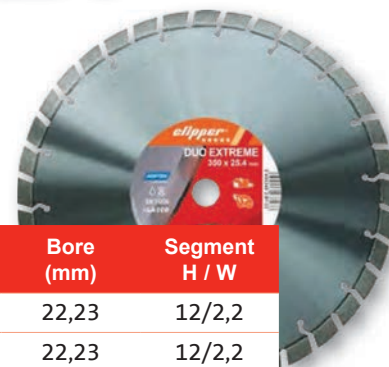
UNIQUE laser welded blade suitable for a wide range of MATERIALS. Due to its innovative design, the DUO Extreme is EASY TO USE, extremely FAST CUTTING and guarantees an ACCURATE CUT and LONG LIFE. Ideal for all high speed saws, masonry saw benches and floor saws up to 13Hp.

New improved 15mm segment height also on 300-350-400mm.

Application : concrete, reinforced concrete, hard materials and general building materials.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 30301	5450248 414193		115	22,23	12/2,2
701846 30302	5450248 414209		125	22,23	12/2,2
701846 24576	5450248 238096		230	22,23	15/2,8
701846 24578	5450248 238119		300	20	15/2,8
701846 24571	5450248 237419		300	25,4	15/2,8
701846 24579	5450248 238126		350	20	15/2,8
701846 24580	5450248 238133		350	25,4	15/2,8
701846 25074	5450248 241058		400	25,4	15/3,2



SUPER BETON EVO

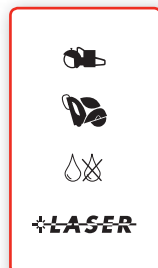
Pro

New specification and 12mm high segments for faster cutting and longer life.

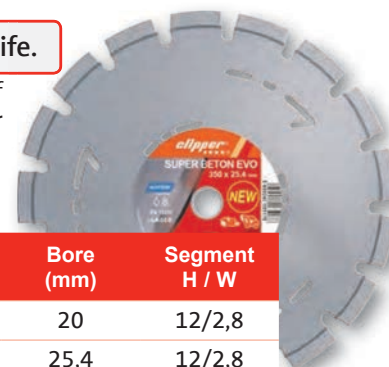
Very good value for money laser welded blade for intensive use on a wide range of construction materials (dry or wet cutting). Featuring patented DEPTH INDICATOR for blade life monitoring and indication of cutting direction (up to diameter 350mm).

Now with 12mm high segments.

Application : concrete, reinforced concrete and general building materials.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 11453	5450248 185123		300	20	12/2,8
701846 11455	5450248 185147		300	25,4	12/2,8
701846 11456	5450248 185154		350	20	12/2,8
701846 11458	5450248 185178		350	25,4	12/2,8
701846 11459	5450248 185185		400	20	12/3,2
701846 11460	5450248 185192		400	25,4	12/3,2
701846 11461	5450248 185208		450	25,4	12/3,2
701846 11981	5450248 204374		500	25,4	12/3,8
701846 11982	5450248 204381		600	25,4	12/4,4

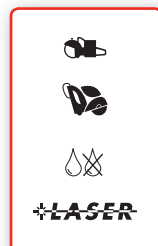


CLASSIC BETON

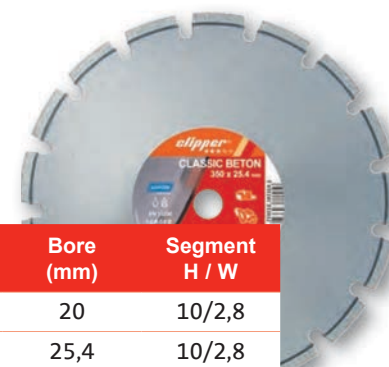
Classic

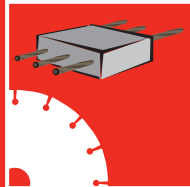
Good value for money laser welded blade for dry or wet cutting.

Application : concrete and general purpose building materials.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 26869	5450248 353621		300	20	10/2,8
701846 26870	5450248 353638		300	25,4	10/2,8
701846 26871	5450248 353645		350	20	10/2,8
701846 26872	5450248 353652		350	25,4	10/2,8
701846 26873	5450248 353669		400	25,4	10/3,2
701846 26874	5450248 353676		450	25,4	10/3,2





DIAMOND BLADES

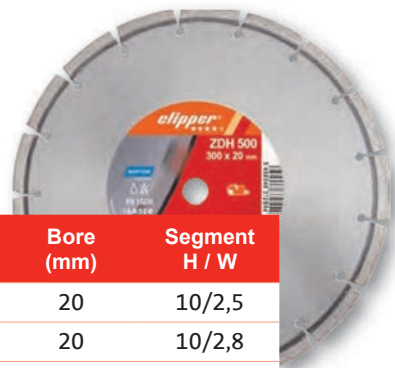
Concrete & Concrete Products



Pro

ZDH 500

Good value for money laser-welded blade, with 10mm high free-cutting segments, for wet or dry cutting. VERSATILE product designed for petrol handheld saws, floor saws and masonry saws. High performance blade, designed for concrete, and medium to hard refractory materials. Application : concrete, reinforced concrete, concrete slabs, refractory blocks containing aluminium oxides.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 27058	5450248 372554		300	20	10/2,5
701846 27060	5450248 372578		350	20	10/2,8
701846 27061	5450248 372585		350	25,4	10/2,8
701846 27062	5450248 372592		400	25,4	10/3,2
701846 27063	5450248 372608		450	25,4	10/3,2
701846 27064	5450248 372615		500	25,4	10/3,8
701846 27065	5450248 372622		600	25,4	10/4,0



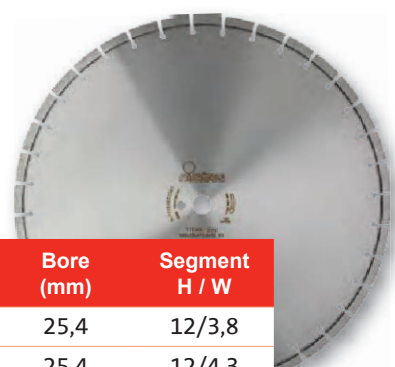
Pro

TITAN-X 35 NEW

Blades for use on machines with 35 to 50kW.

Excellent price performance ratio. Versatile and fast cutting, it is the ideal blade for floor saws from 35 to 50kW, 12mm segment height, wide-gullet design. Very fast cutting with a wide application range.

Application : reinforced concrete.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
70184646198 *	5450248539599		450	25,4	12/3,8
70184646199 *	5450248539605		600	25,4	12/4,3
70184646200 *	5450248539612		700	25,4	12/4,3
70184646201 *	5450248539629		800	25,4	12/4,3
70184646202 *	5450248539636		900	25,4	12/4,3

* Availability on request.



Pro

REVEX LB **NEW**

Blades for use on machines with 20kW and more.

- **Concrete looping blade** with 6 to 10mm wide segments for SIGNAL CABLE INSTALLATION. Designed for chamfering expansion joint cuts from 6 mm width upwards in concrete¹.

Application : concrete, reinforced concrete.

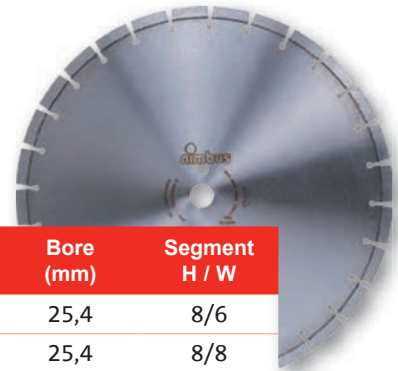
LOOP



≥ 20kW



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 29323 *	5450248 560685		350	25,4	8/6
701846 27442 *	5450248 560678		350	25,4	8/8
701846 27440 *	5450248 560661		400	25,4	8/10



- **Concrete blade with special triangular segments**, designed for the cut of chamfered EXPANSION JOINTS in concrete floors and surfaces.

Application : concrete, reinforced concrete.

BEVEL



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 10178 *	5450248 003137		350	25,4	5/5,5

¹ To be ordered by 2 pcs. Actual chamfer width depends on spacers mounted between both chamfering blades. Spacer(s) not supplied with chamfering blades.

* Availability on request.



Pro

RING BETON

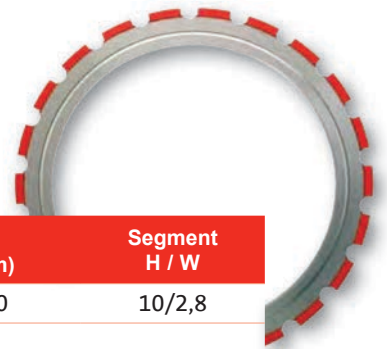
Special laser-welded ring blades for all petrol or hydraulic ring saws. With 10mm segment height for a long life and coloured segments for clear identification of the material to cut.

Application : concrete and reinforced concrete. For use on K3600 and K950 ring saws.

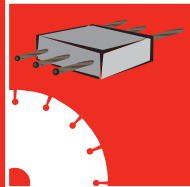


LASER

Item No	EAN 13 Code		Ø (mm)	Segment H / W
701846 29960	5450248 408536		350	10/2,8



See also RING UNI for general purpose building materials on page 33.



DIAMOND BLADES

Concrete & Concrete Products

★★★★☆
Classic

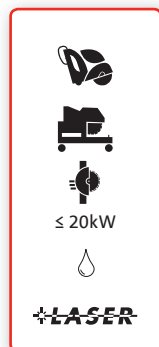
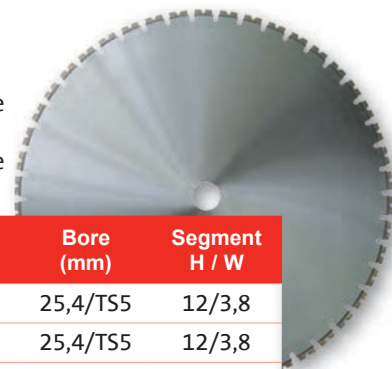
WS-GROOVE NEW

Recommended for wallsaws up to 20kW.

A versatile and cost effective product, proven to give excellent value.

Also suitable for electrical floorsaws, and for cutting hard materials on block saws like Jumbo900.

Application : high performance in all types of aggregates, performs well in even the hardest materials.



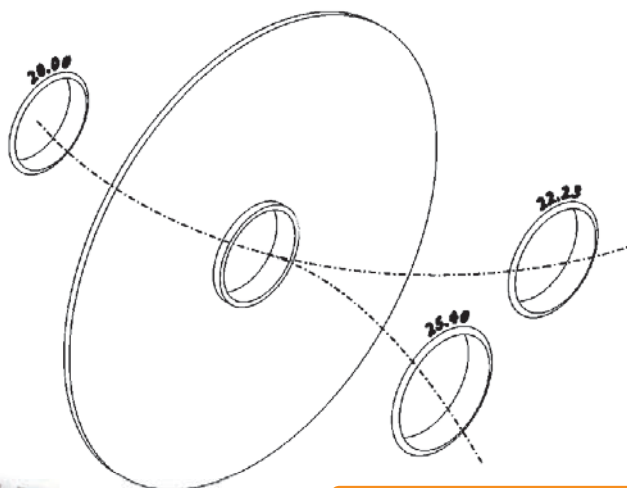
Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 47401 *	5450248 560692		600	25,4/TS5	12/3,8
701846 47402 *	5450248 560708		700	25,4/TS5	12/3,8
701846 46177 *	5450248 539421		600	60	12/4,5
701846 45081 *	5450248 539407		800	60	12/4,5
701846 47403 *	5450248 560715		900	60	12/4,5
701846 46179 *	5450248 539445		1000	60	12/4,5
701846 46180 *	5450248 539452		1200	60	12/4,5

* Availability on request.

“ Have the same blade running on a floor saw and on a petrol handheld saw ! ”



Diamond blades can be used on different saws with different arbor diameters and by using the NORTON PATENTED “Quickfix” mounting system which allows quick adaptation of the bore holes.



Quickfix

The system allows for blades bore to be adjusted to fit machines with different arbor/shaft diameters. There are 2 versions, the first allows a blade with a 25,4mm bore to be fitted to a machine with a 22,23mm arbor/shaft. The second allows a blade with either a 25,4mm or 22,23mm bore to be mounted on a machine with a 20mm arbor/shaft.

The system complies with the requirements of European Standard EN 13236.



Code SAP	Code EAN 13		Bore of blade (mm)	Bore of machine (mm)
701846 23894	5450248 236528		25,4	22,23
701846 22589	5450248 233176		25,4/22,23	20



Dynamic

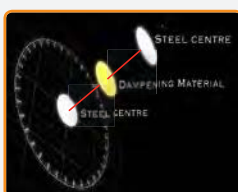
ø 230-500



LASER



The new generation of silent diamond blades !



Features

Patent-pending offset gullets* prevent air from flowing through the steel-centre gullets.

Sandwich steel-centre with newly developed absorbing material.

Up to 17mm high segments, with a bespoke specification for each different application.

Benefits

- The blade does not whistle at all while running idle, for a much better comfort of the operator and the surrounding area.
- The Norton Silencio features unprecedented noise-dampening effect, reaching reductions of up to 15dB – 30 times less noise !!
- The Norton Silencio is among the best cutting Clipper diamond blades. Select the blade specifically designed for your machine type to get the best cutting performance.

* on masonry and floor saws versions.



SILENCIO 230mm



SILENCIO 300mm
on a CM501 (see page 104)



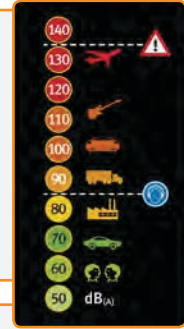
SILENCIO 350mm
on a CS451 (see page 113)

Picture : ø230mm blade.

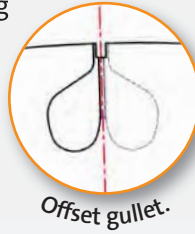


NORTON SILENCIO features a new technology that provides unprecedented noise-dampening effect, reaching reductions of **up to 15dB – 30 times less noise !** Silencio diamond blades have already received **5 innovation awards** in Europe.

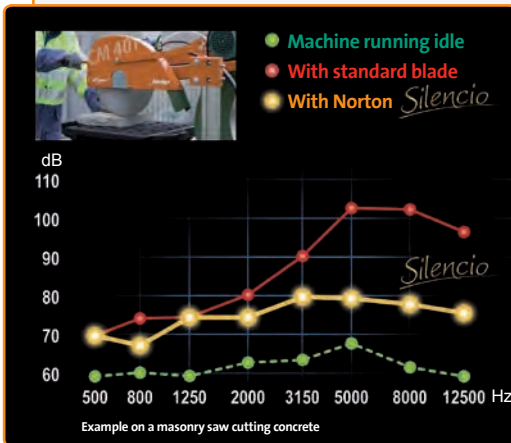
The new laser-welded NORTON SILENCIO features a new technology that provides unprecedented noise-dampening effect, reaching reductions of **up to 15dB – 30 times less noise !**



A whistle noise is generated when a blade is spinning because of the air flowing through the gullets. The “whistling” is totally eliminated when using the **NORTON SILENCIO**. Our new **patent-pending** design prevents any air flow inside the steel-centre gullets and completely cancels out the whistling effect.



Offset gullet.



Two complementary dampening technologies make the NORTON SILENCIO especially efficient in reducing the high-frequency noise, with reduction of the total noise level by up to 15 dB(A), and up to 25 dB(A) in some frequency ranges.

With up to 17mm high segments and a bespoke specification for each application, NORTON SILENCIO displays the **best cutting performance** in the NORTON CLIPPER diamond blade range.

Silencio
- 15 dB(A)

★★★★★ SILENCIO

Dynamic

The NORTON SILENCIO is available in three different specifications : angle grinder, petrol handheld saws, floor saws and masonry saws.

The newly developed 15mm and 17mm segmented blades are fine-tuned to achieve the best cutting performance, the longest life and the greatest noise-dampening effect whilst taking into account the specific requirements of each cutting application.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / T
For Angle Grinder :					
701846 30308	5450248 414292		230	22,23	17/2,8
For Petrol Hand Held Saw :					
701846 29000	5450248 398226		300	20	15/3,1
701846 42421	5450248 498308		300	25,4	15/3,1
701846 28999	5450248 398219		350	25,4	15/3,1
701846 43510	5450248 510604		400	25,4	15/3,1
For Floor Saw :					
701846 28997	5450248 398196		350	25,4	15/3,1
701846 31020	5450248 450597		450	25,4	15/3,2
701846 30416	5450248 440901		500	25,4	15/3,2
For Masonry Saw :					
701846 40269	5450248 456209		300	25,4	15/3,1
701846 28998	5450248 398202		350	25,4	15/3,1
701846 40270	5450248 456216		400	25,4	15/3,1
701846 30309	5450248 414155		500	25,4	15/3,2



VIDEO LINK



EURO ZML EVO



Pro

Ø 105-500



LASER



Learn more about the Quickfix system on page 23.



An excellent all-round diamond blade for a wide range of building materials.

Features

10mm segment height.

Diamond shaped gullet slots.

Perforated steel core (on Ø230mm).

High grade diamond grits and new metal bond generation.

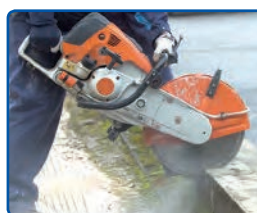
Laser welded segments.

Benefits

- Long life.
- Fast removal of cutting debris.
- Reduces heat and cools the core.
- Perfect for intensive use.
- High speed of cut for a wide range of materials.
- Optimum safety against segment lost.



EURO ZML 230mm



EURO ZML 300mm



EURO ZML 350mm
on a CM501 (see page 102)

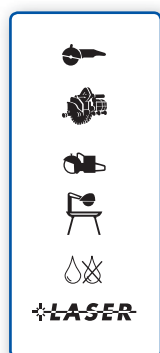
Picture : Ø230mm blade.



EURO ZML EVO

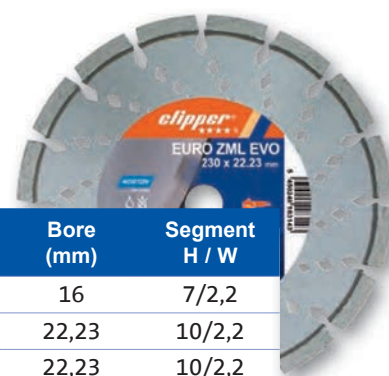
Excellent Value for money FAST CUTTING general purpose laser blade with 12mm high segments for LONG LIFE (dry or wet). Features UNIQUE DIAMOND SHAPE holes and gullets in 230mm for increased cooling and intensive use.

Application : concrete slabs and general purpose building materials.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 11127 *	5450248 170884		105	16	7/2,2
701846 24738	5450248 341031		115	22,23	10/2,2
701846 24739	5450248 341048		125	22,23	10/2,2
701846 25562	5450248 346333		150	22,23	10/2,2
701846 10539	5450248 012238		150	30/2H	7/2,2
701846 25563	5450248 346357		180	22,23	10/2,5
701846 25564	5450248 346364		180	30/2H	10/2,5
701846 11396	5450248 183143		230	22,23	10/2,5
701846 22225	5450248 233190		300	20	10/2,8
701846 22314	5450248 233213		300	25,4	10/2,8
701846 22315	5450248 233220		350	20	10/2,8
701846 22227	5450248 233237		350	25,4	10/2,8
701846 25951	5450248 347996		400	25,4	10/3,2
701846 25952	5450248 348009		450	25,4	10/3,2
701846 25953	5450248 348016		500	25,4	10/3,2

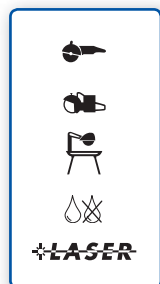
* Availability on request.



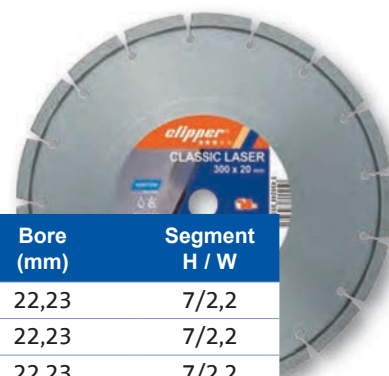
CLASSIC LASER

Good value for money laser welded diamond blade for dry or wet cutting.

Application : general purpose building materials.



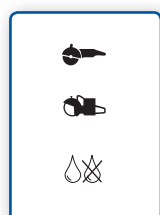
Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 26834	5450248 353409		115	22,23	7/2,2
701846 26835	5450248 353416		125	22,23	7/2,2
701846 26836	5450248 353423		150	22,23	7/2,2
701846 26837	5450248 353447		180	22,23	7/2,5
701846 26838	5450248 353454		230	22,23	10/2,5
701846 26839	5450248 353461		300	20	10/2,5
701846 26840	5450248 353478		300	25,4	10/2,5
701846 26842	5450248 353492		350	25,4	10/2,8



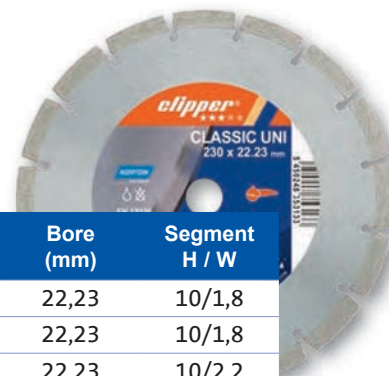
CLASSIC UNI

Value for money sintered blade for dry or wet cutting.

Application : general purpose building materials.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 26806	5450248 353096		115	22,23	10/1,8
701846 26807	5450248 353102		125	22,23	10/1,8
701846 26809	5450248 353126		180	22,23	10/2,2
701846 26810	5450248 353133		230	22,23	10/2,4
701846 26811	5450248 353157		300	20	10/3,0
701846 26813	5450248 353171		350	25,4	10/3,2





Dynamic

ø 115-350



Learn more about the Quickfix system on page 23.



When performance meets design...

Features

12mm impregnated diamond.

Arrow shaped drop down protection segments.

Ventilated waved steel centre.

Corrugated continuous rim with premium specification.

Benefits

- Very long life.

- Steel core protection for reduced wear.
- Segments indicate the correct direction of rotation.

- Reduces heat which helps blade rigidity during dry cutting.

- Smooth cutting, easy of use and high quality of the finished cut in a very wide range of materials.



AERO JET 230mm



AERO JET 300mm



AERO JET 350mm
on a CM41 (see page 96)

Picture : ø230mm blade.

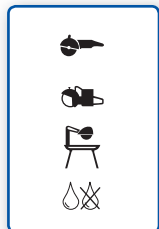


Dynamic

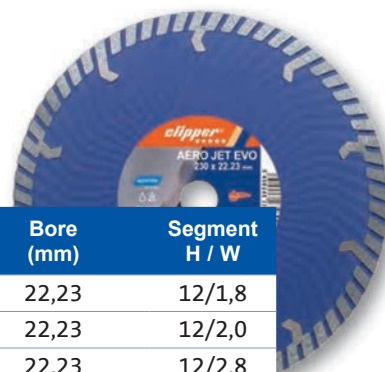
AERO JET EVO

Excellent Value for money FAST CUTTING continuous rimmed blade with 12mm high rim for LONG LIFE (dry or wet). Features EXCLUSIVE ARROW SHAPE PROTECTION inserts for straight cuts, cutting direction indication, and a waved steel core for better cooling and intensive use.

Application : very wide range of medium-hard to hard construction materials, block paviors, granite, marble, natural stone, roof tiles and hard tiles.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 23598	5450248 236863		115	22,23	12/1,8
701846 23599	5450248 330868		125	22,23	12/2,0
701846 23180	5450248 234692		230	22,23	12/2,8
701846 11230	5450248 174042		300	20	12/2,8
701846 11236	5450248 174417		300	25,4	12/2,8
701846 11427	5450248 183907		350	20	12/3,2
701846 11561	5450248 186960		350	25,4	12/3,2
701846 23448	5450248 329336		230	70/22,23 + Flange	12/2,8

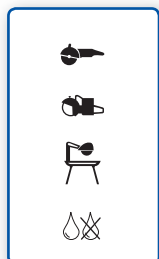


Pro

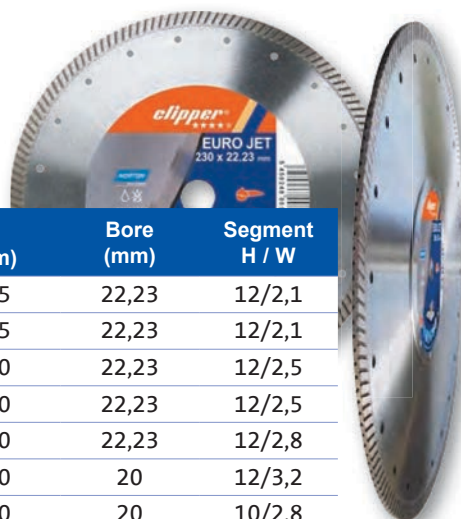
EURO JET

Good value for money continuous rimmed blade with 12mm high rim for dry or wet cutting in general purpose materials and stone. Features strong REINFORCEMENT FLANGES around the bore to ensure rigidity and STRAIGHT CUTTING under most demanding conditions.

Application : tiles, bricks, terracotta tile, clay roof tiles, block paviors, natural stone.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 10314	5450248 007616		115	22,23	12/2,1
701846 10315	5450248 007623		125	22,23	12/2,1
701846 10316	5450248 007630		150	22,23	12/2,5
701846 10317	5450248 007647		180	22,23	12/2,5
701846 10267	5450248 005223		230	22,23	12/2,8
701846 10259	5450248 004905		300	20	12/3,2
701846 10334	5450248 007982		350	20	10/2,8
701846 10336	5450248 008002		350	25,4	12/3,2

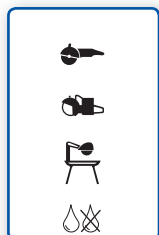


Classic

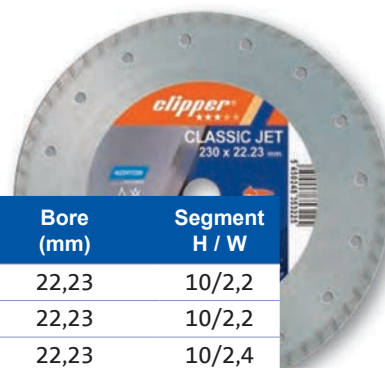
CLASSIC JET

Value for money continuous rimmed blade for dry or wet cutting.

Application : tiles, bricks, terracotta tiles, block paviors.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 26814	5450248 353188		115	22,23	10/2,2
701846 26815	5450248 353195		125	22,23	10/2,2
701846 26816	5450248 353201		180	22,23	10/2,4
701846 26818	5450248 353225		230	22,23	10/2,6
701846 26822	5450248 353263		300	20	10/3,2
701846 26824	5450248 353294		350	25,4	10/3,2
701846 26819	5450248 353232		230	70/22,23 + Flange	10/2,6



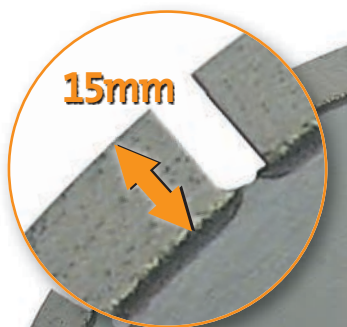


Dynamic

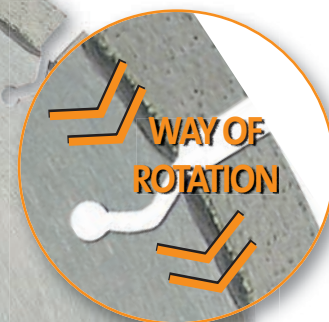
Ø 300-500



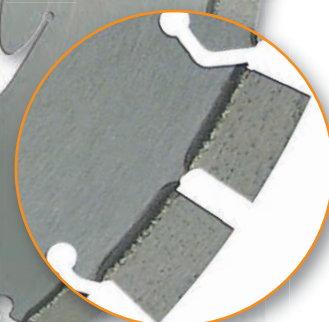
LASER



15mm



WAY OF
ROTATION



Learn more about
the Quickfix system on page 23.



Treat your masonry saw with the best.

Features

New 15mm high segments with improved specification.

Duo concept : two trapezoidal segments per land.

Exclusive "Arrow" shaped gullet slots.

Differentiated steel center with "Duo" cuts.

Laser welded segments.

Benefits

- Extreme long life and faster cutting in building materials.

- Excellent cutting speed
- High comfort of cut
- Low vibration

- Fast removal of cutting debris
- Permanently indicates the correct direction of rotation

- Reduces heat and cools the core
- Exclusive design by CLIPPER.

- Optimum safety against segment lost.



FMD DUO
on a CM401 (see page 101)



FMD DUO
on a CM41 (see page 98)



FMD DUO
on a CM401 (see page 99)

★★★★★ FMD DUO

Dynamic

A blade specifically developed for use on masonry bench saws.

Excellent value for money laser welded blades specifically designed for wet or dry cutting on masonry saws. Duo concept segments for VERY FAST cutting, and 12mm high segments for LONG LIFE. Differentiated steel center with Duo laser-cuts.

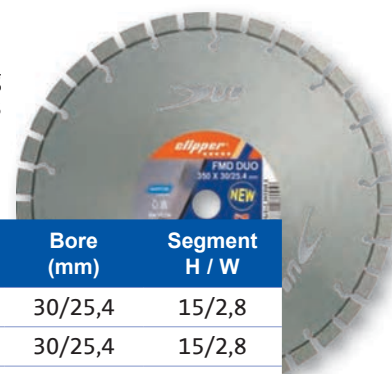
New specification and 15mm high segments for faster cutting and longer life.

Application : wide range of house building materials, from soft to hard.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 12282	5450248 218777		300 *	30/25,4	15/2,8
701846 12283	5450248 218784		350 *	30/25,4	15/2,8
701846 11438	5450248 184782		400	25,4	10/3,2
701846 11439	5450248 184799		450	25,4	10/3,2
701846 11440	5450248 184805		500	25,4	7/3,8

* Special DUO-Shape segments and Duo laser-cuts only for 300-350mm diameter blades.



★★★★☆ ALFA

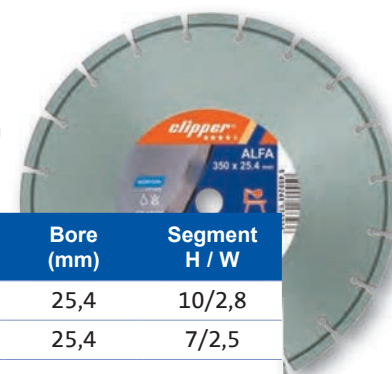
Pro

Good value for money FAST CUTTING general purpose laser blade with 10mm high segments for LONG LIFE (dry or wet).

Application : concrete slabs and general purpose building materials.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 11209	5450248 173236		350	25,4	10/2,8
701846 10679	5450248 015277		400	25,4	7/2,5





DIAMOND BLADES

Building Materials

★★★★★
Dynamic

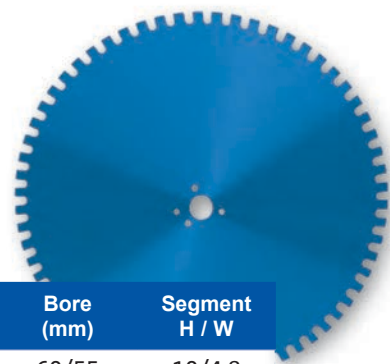
BS 10

Especially designed for Jumbo type machines. Premium blade with 10mm high brazed segments for long life and short segments for fast cutting (wet cutting).

Application : construction materials, lightweight blocks, Poroton and man-made sandstone blocks.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 20424	5450248 235040		900	60/55	10/4,8



★★★★☆
Pro

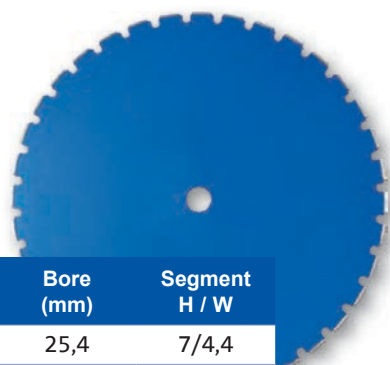
BS U

The “reference” Jumbo blade for years ! Excellent value for money blade with brazed segments for wet cutting. Features patented Seeded-Gel (SG) in the segments for reduced wear, extended life and intensive jobs.

Application : construction materials, lightweight blocks, Poroton and man-made sandstone blocks.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 20425	5450248 231745		650	25,4	7/4,4
701846 20427	5450248 231752		900	60/55	7/4,4
701846 10745	5450248 131809		1000	60/55	7/4,8



★★★☆☆
Classic

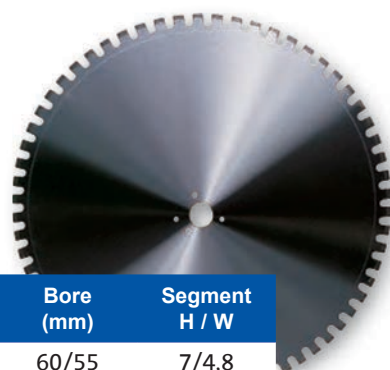
BS 7

Good value for money blade with brazed segments for wet cutting. Short segment design to provide fast cutting with JUMBO machines.

Application : construction materials and lightweight blocks.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 20428	5450248 230786		900	60/55	7/4,8



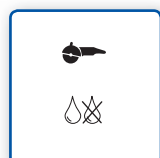


TP MORTAR RAKER

Pro

Good value for money mortar raker with brazed segments. The mortar rakers have special THICKER SEGMENTS adapted to the mortar joints thickness. The hard-metal protection inserts prevent under-cutting of the steel-center and contribute to getting the longest life.

Application : removal of mortar joints between bricks, natural stone blocks or facing bricks.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 10712	5450248 047063		115	22,23	6,5/4,5
701846 10713	5450248 047070		125	22,23	6,5/4,5
701846 10305	5450248 006466		115	22,23	6,5/6,5
701846 10307	5450248 006534		125	22,23	6,5/6,5
701846 10715	5450248 047094		115	22,23	6,5/8,0
701846 10716	5450248 047100		125	22,23	6,5/8,0



TP-V CRACK-CHASER

Pro

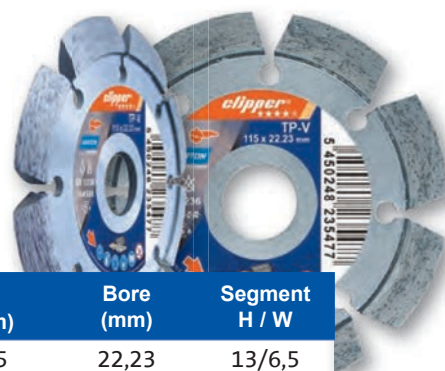
Special tool for the REPAIR OF CRACKS in floors and walls.

The V-shape segments widen the crack in-depth and allow the repair with mortar.

Application : concrete floors and walls, masonry walls, plaster boards.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 24198	5450248 235477		115	22,23	13/6,5
701846 24199	5450248 235484		125	22,23	13/6,5



RING UNI

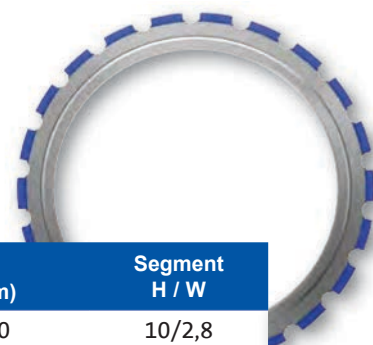
Pro

Special laser-welded ring blades for all petrol or hydraulic ring saws. With 10mm segment height for a long life and coloured segments for clear identification of the material to cut.

Application : general purpose building materials.



Item No	EAN 13 Code		Ø (mm)	Segment H / W
701846 29961	5450248 408543		350	10/2,8



See also RING BETON for reinforced concrete on page 21.



DIAMOND BLADES

Building Materials

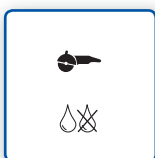
★★★★★
Dynamic

CG2

H = 24mm *
H = 19mm (FLAT) *

Diamond grinding wheels for concrete repair work and dry grinding purposes. The double row of segments allows FAST removal, ACCURATE grinding, LONG LIFE and PERFECT FINISH. The "flat" version in 125mm is suitable to all vacuum grinders.

Application : for the fast rectification of surface defects in construction and building materials (concrete, bricks, natural stone, etc.).



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment Height (mm)
701846 10268	5450248 005247		100	22,23/16	4,5
701846 10363	5450248 008811		125	22,23	4,5
701846 10270	5450248 005261		180	22,23	4,5
701846 11096	5450248 169154		125 FLAT	22,23	4,5

* High for Ø125mm.

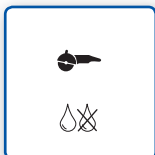
★★★★☆
Pro

CG TURBO

H = 21mm *

Diamond grinding wheels for concrete repair work and dry grinding purposes. The "turbo-segment" geometry allows FASTER removal, ACCURATE grinding and very good finishing.

Application : for the fast rectification of surface defects in construction and building materials (concrete, bricks, natural stone, etc.).



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment Height (mm)
701846 24195	5450248 235453		100	22,23	5,5
701846 23037	5450248 234685		125	22,23	5,5
701846 24197	5450248 235460		180	22,23	5,5

* High for Ø125mm.

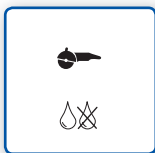
★★★★☆
Classic

CG SLANT

H = 20mm *

FLAT diamond grinding wheels for concrete repair work and dry grinding purposes with angle grinders and vacuum grinders. Special steel body with large openings for better cooling and dust extraction. Also light weight.

Application : for the fast rectification of surface defects in construction and building materials (concrete, bricks, etc.).



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment Height (mm)
701846 24781	5450248 238447		105	22,23	4,5
701846 23049	5450248 235439		125	22,23	4,5
701846 24760	5450248 238461		150	22,23/19	4,5
701846 24782	5450248 238454		180	22,23	4,5

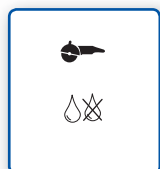
* High for Ø125mm.



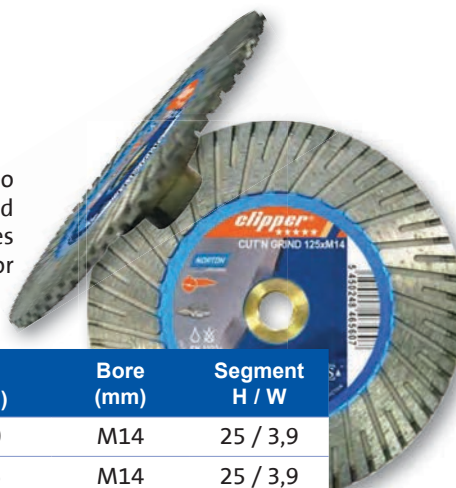
CUT' N GRIND

Multi-purpose tool for CUTTING AND GRINDING of building materials. Sintered Turbo shape, for a fast material removal rate and good finishing quality in cutting and grinding. Norton Cut'nGrind can be used for the same applications as diamond blades and diamond cup grinders. Equipped with an aluminium flange in connection M14 for offset cutting and grinding.

Application : concrete, washed concrete, blocks, ductile iron and natural stones.



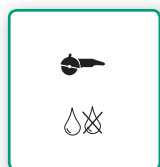
Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 41171	5450248 465591		100	M14	25 / 3,9
701846 41172	5450248 465607		125	M14	25 / 3,9



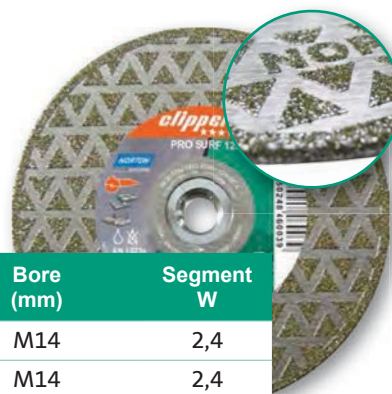
PRO SURF

Best fitted for CUTTING AND GRINDING of natural stone. Electroplated continuous rim, to allow the smoothest cut and grind. Norton Pro Surf can be used in replacement of both a diamond blade and a diamond cup grinder. Equipped with an aluminium flange.

Application : natural stone, granite, marble, tiles, roof tiles, plastics, resins and ductile iron.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment W
701846 40590	5450248 460022		115	M14	2,4
701846 40591	5450248 460039		125	M14	2,4
701846 40592	5450248 460046		230	70/22,23 + Flange	2,8



NEW

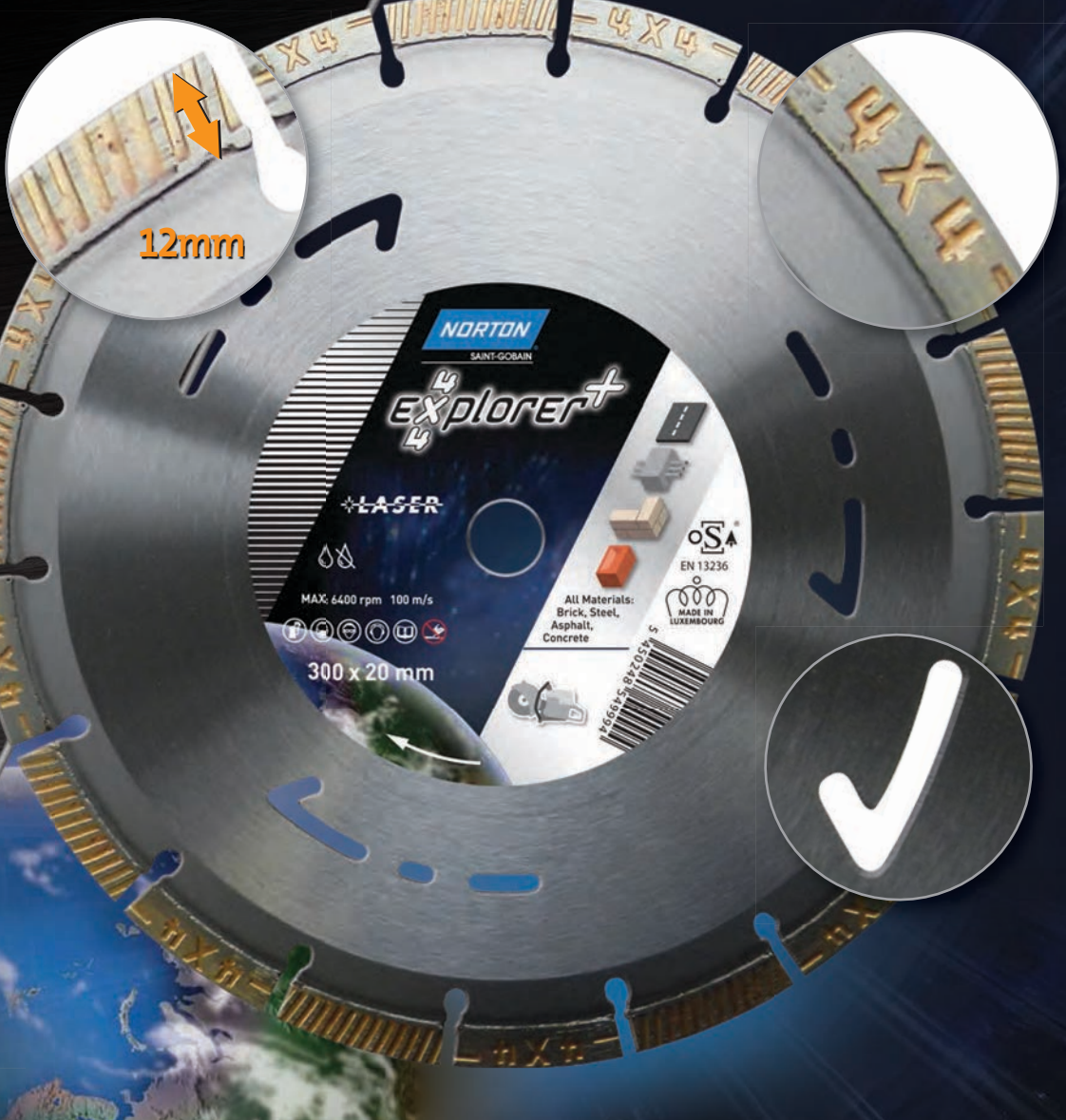


explorer+

Ø 115-450



LASER



Picture : Ø300mm blade.



Learn more about the Quickfix system on page 23.

New & innovative product features

Embedded wear-indicator

- Wear indicator
- Product name imprinted in each segment



1/3
2/3

A unique product immediately recognisable.

Patented depth-indicator

- Way of rotation
- Depth indicator

Step-cutting shortens total cutting time and reduces wear on diamond blades



A unique feature only available on Norton blades.

Drop-shape gullet

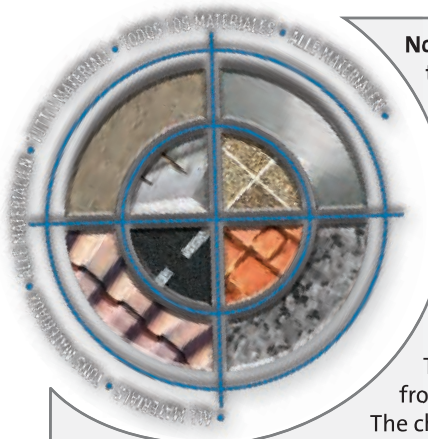


A safety feature only available on Norton blades improving resistance against fatigue cracks.

The new multi-purpose laser-welded diamond blade

Norton 4x4 Explorer + is the new multi-purpose laser welded diamond blade by Saint-Gobain Abrasives, inventor of the first laser-welded diamond blade in 1982. Developed and manufactured in our state-of-the-art facility in Luxembourg, 4x4 Explorer + offers an improved and faster cutting experience whilst the many innovative features ensure the highest safety standards.

All Norton diamond blades are fully compliant with the latest EN13236:2010 safety standard requirements.



Norton 4x4 Explorer was one of the first multi-purpose laser-welded diamond blades in the construction market. Norton 4x4 Explorer + takes a step further with a new segment specification and manufacturing process.

Faster cutting:

The new segment specification brings up to 40% improvement in cutting speed and product life. Benchmarking the most prominent competing products in the UK market, we have proved that 4x4 Explorer + out-performs all multi-purpose competitor blades, ensuring the best return on investment for the end-user.

More versatile:

The **improved segment specification** works perfectly in all kinds of construction materials from granite, natural stones, reinforced concrete, blocks, bricks, green concrete and asphalt. The choice of diamonds and the special treatment on the steel centre allows a perfectly safe and sustainable cut in metal pieces like rebars, pipes or safety barriers.

Safer:

Fully compliant with the latest EN13236:2010 safety standard and fitted with the patent-pending Norton **drop-shape gullets** preventing fatigue cracks in the steel-centre, Norton 4x4 Explorer + is a totally safe product, even when used for cutting metal.

More comfortable:

The **trapezoid shape segments** provide a narrow and constant space between the segment during the whole product life, reducing vibrations and shocks during cutting. The **serrations** on the segment face contribute to the cutting speed and help to reduce the efforts required by the operator.

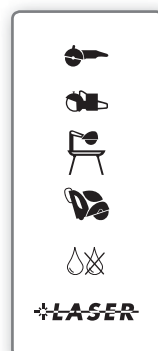
Smarter:

- The patented **arrow-shape depth-indicator** indicates the way of rotation to ease mounting of the blade, and once in rotation, the stroboscopic effect displays two transparent lines indicating 5 and 10cm cutting depth
- The new **segment wear-indicator** embedded in the segments are two thin lines showing 1/3 and 2/3 of the segment height, indicating visually the wear of the product.

4x4 EXPLORER + **NEW**

MULTIPURPOSE and VERSATILE laser welded segments for dry or wet cutting. High performance diamond blade, giving LONG LIFE and HIGH SPEED cutting in a wide range of construction materials. Featuring patented DEPTH INDICATOR for blade life monitoring and indication of cutting direction, and ANTI-CRACKS gullets for enhanced safety.

Application : concrete pavement, reinforced concrete, granite, asphalt and metals up to a 5mm thickness.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 25307	5450248 345329		115	22,23	10/2,2
701846 47279	5450248 557234		125	22,23	10/2,2
701846 43654	5450248 557241		180	22,23	10/2,5
701846 47280	5450248 557241		230	22,23	12/2,5
701846 46881	5450248 549994		300	20	12/3,0
701846 46870	5450248 548898		300	25,4	12/3,0
701846 46154	5450248 538448		350	25,4	12/3,2
701846 46571	5450248 545538		350	20	12/3,2
701846 47348	5450248 558804		400	25,4	12/3,2
701846 47374	5450248 559399		400	20	12/3,2
701846 47349	5450248 558811		450	25,4	12/3,2





DIAMOND BLADES

Asphalt & Abrasive Materials

DUO ASPHALT

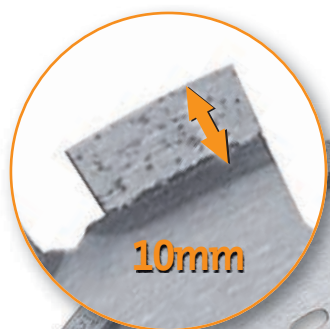


Dynamic

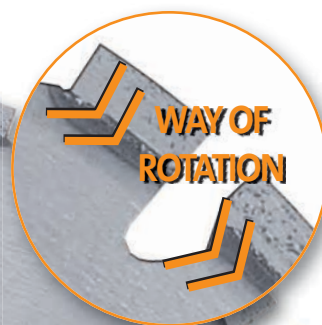
ø 300-450



LASER



10mm



WAY OF
ROTATION



Learn more about
the Quickfix system on page 23.



The leading performance with the best undercutting protection.

Features

10mm segment height.

Patented depth of cut indicator with stroboscope effect.

8 high wear protection segments.

Duo concept : two trapezoidal segments.

Exclusive "Arrow" shaped.

Wide gullet slot.

Benefits

- Exceptionally long life.

- Depth control allowing life increase.
- Direction of rotation permanently marked.

- Extreme protection of the steel center from under-cutting.
- Extended life.

- Excellent cutting speed and low vibration.
- High confort of cut.

- Fast removal of cutting debris.

- Permanently indicates the correct direction of rotation.



DUO ASPHALT 300mm



DUO ASPHALT 350mm



DUO ASPHALT 350mm
on a CS451 (see page 113)



DUO ASPHALT

Dynamic

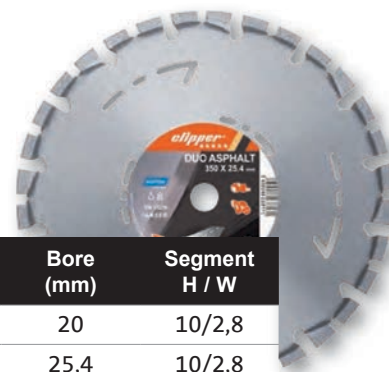
With depth of cut and way of rotation indicators up to 450mm.

UNIQUE laser welded blade suitable for ASPHALT and ABRASIVE MATERIALS. Due to its innovative design, the DUO Asphalt is EASY TO USE, extremely FAST CUTTING and guarantees an ACCURATE CUT and VERY LONG LIFE. Featuring patented DEPTH INDICATOR for blade life monitoring and indication of cutting direction (up to diameter 450mm). Multiple drop segments for a safer and longer life. Ideal for all high speed saws and floor saws up to 20Hp.

Application : asphalt, asphalt over concrete, green concrete and abrasive building materials.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 24581	5450248 238157		300	20	10/2,8
701846 24572	5450248 237426		300	25,4	10/2,8
701846 24583	5450248 238171		350	25,4	10/2,8
701846 25577	5450248 346395		400	25,4	10/3,2
701846 25578	5450248 346401		450	25,4	10/2,8



SUPER ASPHALT EVO

Pro

With depth of cut and way of rotation indicators up to 450mm.

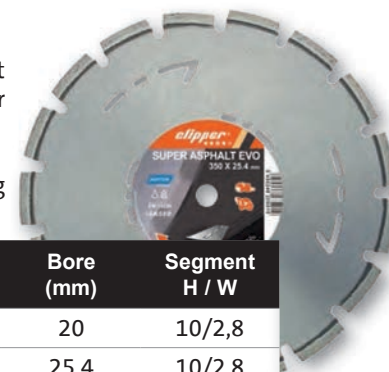
Very good value for money laser welded blade for intensive use and LONG LIFE in Asphalt and abrasive materials (dry or wet cutting). Featuring patented DEPTH INDICATOR for blade life monitoring and indication of cutting direction (up to diameter 450mm).

Undercutting protection on the steel center thanks to slant segments.

Application : asphalt, asphalt over concrete, green concrete and abrasive building materials.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 23182	5450248 234975		300	20	10/2,8
701846 23184	5450248 234999		300	25,4	10/2,8
701846 23185	5450248 235002		350	20	10/3,2
701846 23186	5450248 235019		350	25,4	10/3,2
701846 28159	5450248 391531		400	25,4	10/3,2
701846 28160	5450248 391548		450	25,4	10/3,2
701846 11979	5450248 204350		500	25,4	10/3,8
701846 11980	5450248 204367		600	25,4	7/3,8

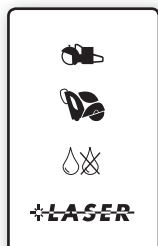


CLASSIC ASPHALT

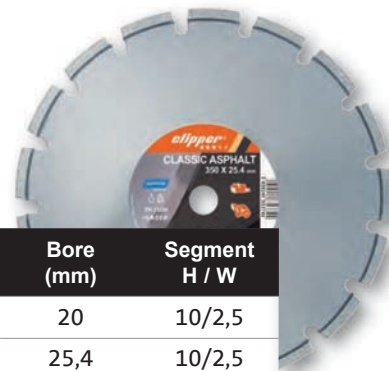
Classic

Good value for money laser welded blade for dry or wet cutting.

Application : asphalt, asphalt over concrete, green concrete, abrasive materials and concrete roof tiles.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 26876	5450248 353706		300	20	10/2,5
701846 26877	5450248 353713		300	25,4	10/2,5
701846 26878	5450248 353737		350	20	10/2,8
701846 26879	5450248 353744		350	25,4	10/2,8
701846 45242	5450248 528043		400	20	10/3,2
701846 26880	5450248 353751		400	25,4	10/3,2
701846 26881	5450248 353768		450	25,4	10/3,2





DIAMOND BLADES

Asphalt & Abrasive Materials



Pro

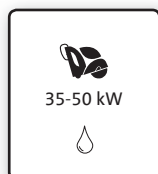
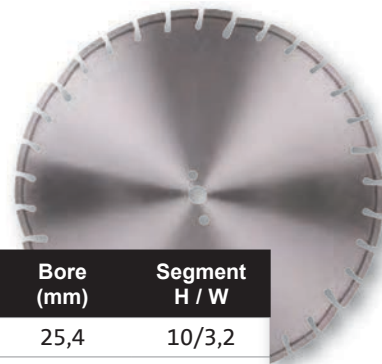
Platinum **NEW**

Blades for use on machines with 35 to 50 kW.

High performance laser welded blade for deep cutting asphalt floors and abrasive pavements.

Specifically designed for **professionnal use on floor saws with 35 to 50 kW** (wet cutting). Complete wear protection segments (hammer segments) to help prevent under-cutting of the steel centre.

Application : asphalt.



35-50 kW

Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 40190 *	5450248 454946		450	25,4	10/3,2
701846 40191 *	5450248 454953		500	25,4	10/4,3
701846 47404 *	5450248 560722		600	25,4	10/3,8
701846 40192	5450248 454977		600	25,4	10/4,3
701846 40193	5450248 454984		700	25,4	10/4,3
701846 40194	5450248 455097		800	25,4	10/4,3

* Availability on request.



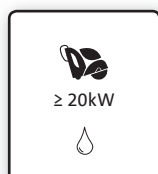
Pro

Platinum LB¹

Blades for use on machines power 20kW and more.

Wet cutting **asphalt loop cutting blade**. 6 or 10mm wide segments for signal cable installation.

Application : asphalt.



≥ 20kW

Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 18295 *	5450248 295389		350	25,4	7/6
701846 15813 *	5450248 269052		350	25,4	7/10
701846 15815	5450248 269076		450	25,4	7/10

¹ Looping blade. * Availability on request.



Pro

M45 EVO - GREEN CONCRETE

Laser welded segments for wet cutting.

Wear Protection segments to help prevent under-cutting of the steel centre.

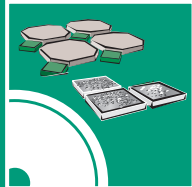
Application : green concrete, Lignacite and Tarmac top blocks.



LASER

Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 24684	5450248 237815		300	25,4	10/2,5
701846 24685	5450248 237822		350	25,4	10/2,8





SUPER GRES XT EVO

★★★★★
Dynamic

Ø 115-125



Quality cutting of hard ceramic tiles.

Features	Benefits
10mm diamond ring height.	• Extended life.
1,4mm thick.	• Fast cutting. • Less material wastage.
Continuous rim.	• Quality of the finished cut.
Reinforced flange on steel centre.	• Straight cut without causing damages even in the hardest types of tiles, porcellenato and stone.
Premium diamond grade and free cutting metal bond.	• Perfect cut in the hardest tiles.



SUPER GRES XT EVO 125mm



SUPER GRES XT EVO 115mm



SUPER GRES XT EVO
on a TR230G (see page 88)

Picture : Ø125mm blade.

✂ FOR DRY CUTTING



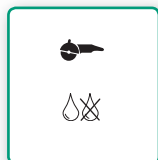
Dynamic

SUPER GRES XT EVO

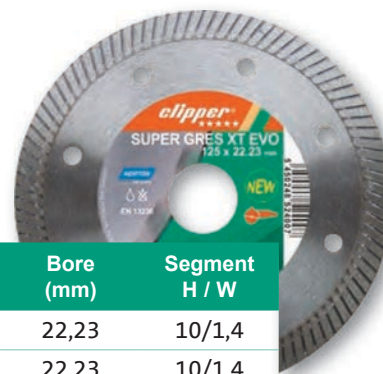
Excellent value for money turbo jet continuous rim diamond blade with an ultra thin steel centre for high speed dry or wet cutting, designed for low material wastage. For use with hand held electric machines and rail tile saws.

New design and specification in Ø115 and Ø125mm for a more precise cut.

Application : porcelain, ceramic, vitrious, marble, terracota, granite, slate, reconstituted stone, floor and wall tiles.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 44759	5450248 523994	✂	115	22,23	10/1,4
701846 44760	5450248 524007	✂	125	22,23	10/1,4
701846 21970	5450248 232193	✂	180	22,23	10/1,4
701846 21973	5450248 232186	✂	230	22,23	10/1,4

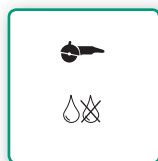


Pro

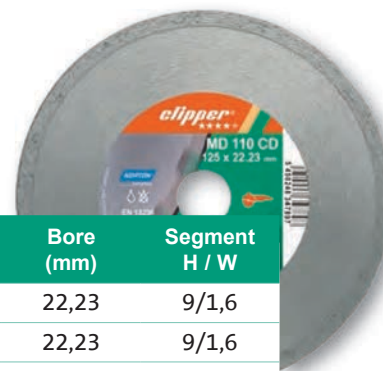
MD 110 CD

Good value for money continuous diamond rim for hand held machines can be used for dry or wet cutting.

Application : ceramics, granite, marble, slate, quarry tiles.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 25942	5450248 347927	✂	115	22,23	9/1,6
701846 25940	5450248 347897	✂	125	22,23	9/1,6
701846 25944	5450248 347941	✂	180	22,23	9/1,7
701846 25946	5450248 347965	✂	230	22,23	9/2,2

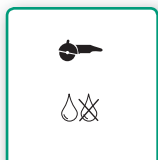


Classic

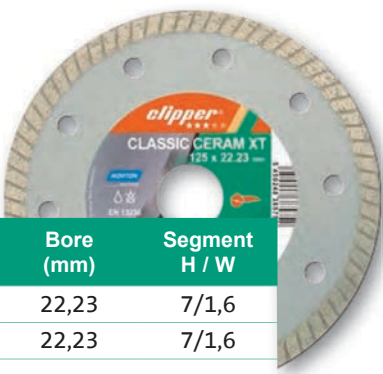
CLASSIC CERAM XT

Value for money continuous diamond rim for dry or wet cutting.

Application : medium hard tiles and ceramic tiles, for use with hand held electric machines.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 27645	5450248 385745	✂	115	22,23	7/1,6
701846 27646	5450248 385752	✂	125	22,23	7/1,6

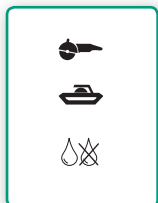


Classic

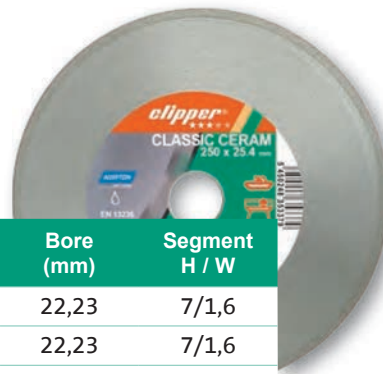
CLASSIC CERAM

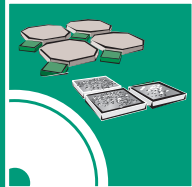
Value for money continuous rimmed diamond blade for dry or wet cutting.

Application : medium hard tiles and ceramic tiles.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 26825	5450248 353317	✂	115	22,23	7/1,6
701846 26826	5450248 353324	✂	125	22,23	7/1,6
701846 26828	5450248 353348	✂✂	180	25,4/22,23	7/1,7
701846 26830	5450248 353362	✂	230	22,23	7/1,8





DIAMOND BLADES

Natural Stone & Tile

   **FOR WET CUTTING**

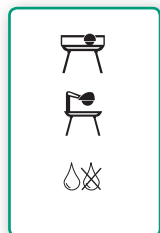


SUPER GRES XT

Dynamic

Excellent value for money turbo jet continuous rim diamond blade with an ultra thin steel centre for high speed dry or wet cutting, designed for low material wastage. For use with hand held electric machines and rail tile saws.

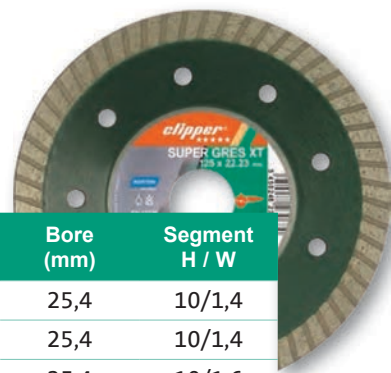
Application : porcelain, ceramic, vitrious, marble, terracota, granite, slate, reconstituted stone, floor and wall tiles.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 25427	5450248 345756		200	25,4	10/1,4
701846 27653	5450248 385813		230	25,4	10/1,4
701846 25428	5450248 345763	 	250	25,4	10/1,6
701846 25429	5450248 345787	 	300	25,4	10/1,9



The Clipper SUPER GRES XT is not suitable for the TT table tile saws.



MD 120C

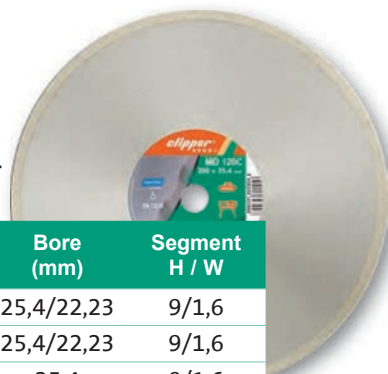
Pro

Continuous rimmed diamond blade for wet cutting with all types of tile cutting machines.

Application : ceramics, granite, marble, slate, quarry tiles.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 25560	5450248 346319		150	25,4/22,23	9/1,6
701846 25561	5450248 346326		180	25,4/22,23	9/1,6
701846 25093	5450248 343998	 	200	25,4	9/1,6
701846 25094	5450248 344001	 	200	30/25,4	9/1,6
701846 25096	5450248 344025	 	230	25,4	9/1,6
701846 25097	5450248 344032	 	250	25,4	9/1,6
701846 25098	5450248 344049	 	300	25,4	9,5/2,0
701846 25100	5450248 344063	 	350	25,4	9,5/2,0



CLASSIC CERAM

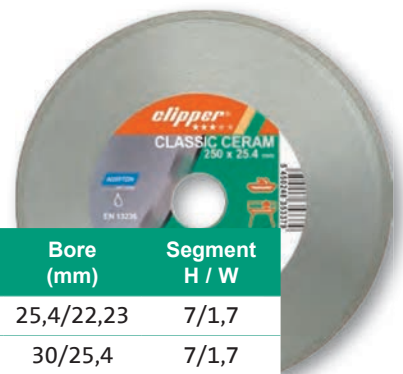
Classic

Value for money continuous rimmed diamond blade for dry or wet cutting.

Application : medium hard tiles and ceramic tiles.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 26828	5450248 353348	 	180	25,4/22,23	7/1,7
701846 26829	5450248 353355	 	200	30/25,4	7/1,7
701846 28734	5450248 396499		230	25,4	7/1,8
701846 26831	5450248 353379	 	250	25,4	7/1,8
701846 26832	5450248 353386	 	300	25,4	7/2,1
701846 26833	5450248 353393	 	350	25,4	7/2,1



FOR WET CUTTING

★★★★★
Dynamic

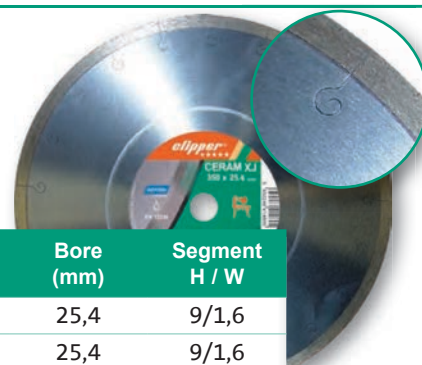
CERAM XJ

Continuous rimmed sintered diamond blade for wet cutting on masonry saws.
With thin laser-cut slots to allow blade cooling and smoother cut.

Application: glazed ceramic tiles, granite, marble, slate, quarry tiles.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 47047	5450248 554608		200	25,4	9/1,6
701846 44431	5450248 522409		230	25,4	9/1,6
701846 44432	5450248 522416		250	25,4	9/1,6
701846 30334	5450248 414599		300	25,4	9/2,0
701846 30335	5450248 414605		350	25,4	9/2,0



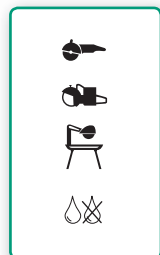
★★★★★☆
Pro

MARMO PRO

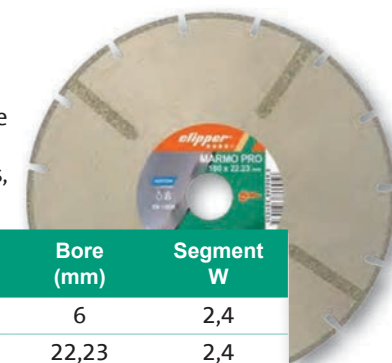
Electroplated diamond blade.

The specific manufacturing process allows the SMOOTHEST CUT IN HARD MATERIALS.
The drop-down diamond inserts on the steel center clean the cutting profile to ensure the best quality of cut.

Application : for fast and smooth cutting of MARBLE and soft brittle natural stones, plastics, composite materials, fiber-glass resins.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment W
701846 29965	5450248 408567		50	6	2,4
701846 26663	5450248 351498		115	22,23	2,4
701846 26666	5450248 351528		125	22,23	2,4
701846 26668	5450248 351542		230	22,23	2,8
701846 20243	5450248 298533		300	25,4	2,9
701846 20244	5450248 298557		350	25,4	2,9



★★★★★☆
Pro

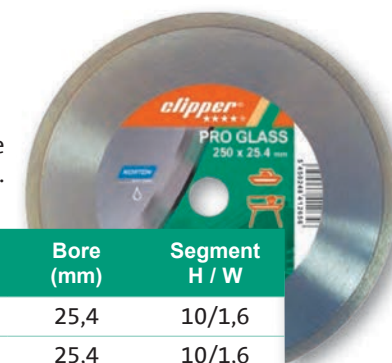
PRO GLASS

Continuous rimmed diamond blade for wet cutting of glass and glazed materials. The dedicated specification provides the best quality of cut un glass or vitreous materials.

Application : glass, textured glass tiles, glazed ceramic tiles.

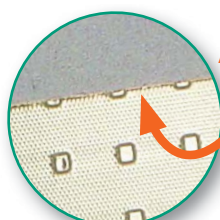


Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 30184	5450248 412618		180	25,4	10/1,6
701846 30185	5450248 412625		200	25,4	10/1,6
701846 30187	5450248 412649		230	25,4	10/1,6
701846 30188	5450248 412656		250	25,4	10/1,6

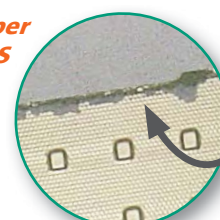


We recommend the use of Clipper PRO GLASS for cutting the new Saint-Gobain "Feeling" range of decorative glass tiles.

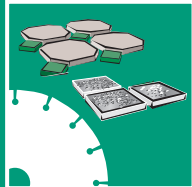
www.saint-gobain-glass.com/feeling



With Clipper PRO GLASS



With a standard ceramic tile blade



DIAMOND BLADES

Natural Stone and Tile

DUO GRANIT



Dynamic

Ø 230-350



LASER

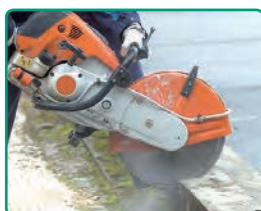


Learn more about the Quickfix system on page 23.



A specialist blade for cutting granite and natural stone on masonry and petrol handheld saws.

Features	Benefits
10mm segment height.	• Very long life.
Innovative specification.	• Especially designed for the cutting of hard materials like granite or natural stones.
Exclusive "Arrow" shaped gullet slots.	• Permanently indicates the correct direction of rotation. • Easier remove of cutting debris.
Duo concept : two trapezoidal segments.	• Excellent cutting speed. • Smooth cut. • Low vibration.
Laser welded segments	• Optimum safety against segment lost.



DUO GRANIT 300mm



Granit



DUO GRANIT 350mm on a CM401 (see page 99)

Picture : Ø300mm blade.



DUO GRANIT

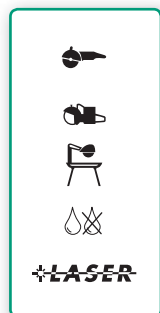
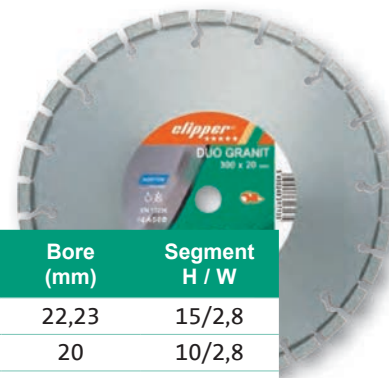
Dynamic

DUO-shape 10mm high laser-welded segments.

The Duo-shape trapezoidal segments provide an excellent cutting speed and LOW VIBRATIONS, to get the best cutting comfort for the operator. An innovative specification especially designed for the cutting of HARD MATERIALS like granite and natural stones.

With exclusive arrow-shape gullet slots to indicate the correct way of rotation.

Application : granite, natural stone, concrete slabs and blocks.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 30304	5450248 414223		230	22,23	15/2,8
701846 22118	5450248 317135		300	20	10/2,8
701846 24804	5450248 238508		350	25,4	10/2,8



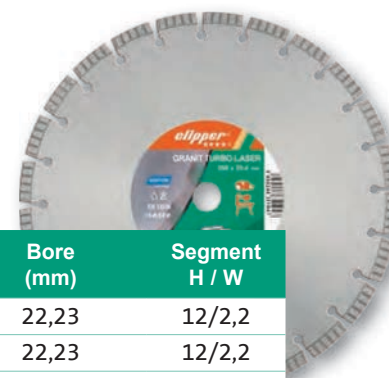
GRANIT TURBO LASER

Pro

Very good value for money laser-welded blade, for both wet or dry cutting.

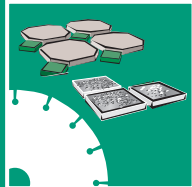
The 12mm segment height provides a VERY LONG LIFE, while the corrugated segment shape generates reduced friction and HIGHER CUTTING SPEED. Fast cutting speed in a wide range of materials, especially designed to perform in granite and hard stones.

Application : granite, engineering bricks, hard paviments, slate, concrete slabs.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 26525	5450248 350859		115	22,23	12/2,2
701846 26526	5450248 350866		125	22,23	12/2,2
701846 26527	5450248 350873		180	22,23	12/2,4
701846 26528	5450248 350996		230	22,23	12/2,6
701846 26530	5450248 351016		300	20	12/3,2
701846 26529	5450248 351009		300	25,4	12/3,2
701846 26531	5450248 351023		350	20	12/3,2
701846 26532	5450248 351047		350	25,4	12/3,2
701846 26533	5450248 351054		400	25,4	12/3,2
701846 29653	5450248 405436		230	70/22,23 + Flange	12/2,6





DIAMOND BLADES

Natural Stone and Tile

SUPER STRADALIT EVO

★★★★★
Dynamic

ø 350-400



LASER



Quickfix

Learn more about the Quickfix system on page 23.



A long lasting blade for the wet-cutting of hard engineered bricks like Stradalit on masonry saws.

Features

Adapted specification for extremely hard and not abrasive materialst.

Laser-cuts in the steel centre

10mm high, laser-welded segments

Arrow-shape water gullets.

Benefits

- Best suitable blade for cutting Stradalit, hard clay pavours, engineered bricks on masonry saws.
- Reduces the cutting noise, which is especially beneficial when working in-door.
- For a long product life and optimum safety.
- Indicate the proper way of rotation.



Cutting engineered brick.



Typical application : hard clay pavours.



Super Stradalit Evo on the CM41 (see page 96)



SUPER STRADALIT EVO

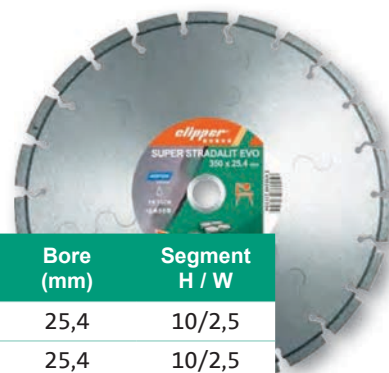
Dynamic

Laser-welded, 10mm high segments, with silent steel-center. High performance wet cutting blade.

Application : very hard natural stone, cured clay paviers and engineering bricks, for wet cutting on masonry saws.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 21132	5450248 231394		350	25,4	10/2,5
701846 23047	5450248 326014		400	25,4	10/2,5



Pro

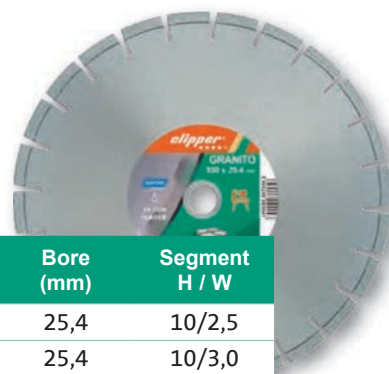
GRANITO

Quality value for money blade suitable for granite, marble and natural stone products on masonry saws.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 10384	5450248 009030		300	25,4	10/2,5
701846 10385	5450248 009047		350	25,4	10/3,0
701846 10386	5450248 009054		400	25,4	10/3,2
701846 10436	5450248 010142		450	25,4	10/3,4
701846 10437	5450248 230755		500	25,4	7/3,2
701846 10438 *	5450248 230748		600	25,4	7/4,4

* Availability on request.



Pro

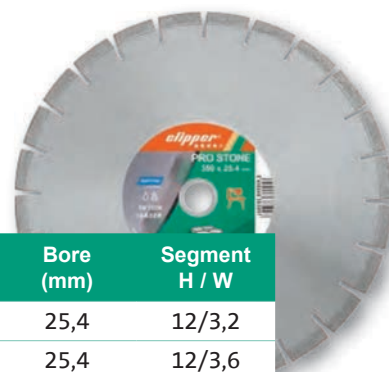
PRO STONE

Good value for money laser-welded blade, for use on masonry bench saws.

Application : granite, marble, engineering bricks, hard paviers, concrete slabs.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 27578	5450248 385097		350	25,4	12/3,2
701846 27581	5450248 385134		450	25,4	12/3,6





REFRACTORY MATERIALS

A high performance range developed for the professional contractors specializing in the maintenance of industrial furnaces. A wide selection of products allows for optimum performances in each type of refractory bricks.

RECOMMENDATION GUIDE

Most diameters are also available as "silent" versions.

	RC400	RC465	RC525	RC540	RC575	ZDH500	ZDM200	ZMD944T
NON OXYDES (C 80-90%) (SiC 40-70%)		★★★★★				★★★★★		★★★★★
Silicon Carbide, Carborundum, Graphite					✓			
OXYDES								
Dolomite, Tar (MgO 40 CaO 60)		✓						
Magnesite (MgO 80-95)		✓	✓				✓	✓
Chromite, Chrome (Cr ₂ O ₃ 30-10 MgO 40-80)			✓				✓	✓
Zirconia, Silica (ZrO ₂ 65-95) (Si 02)				✓		✓		
LOW CONTENT ALUMINIA (Al ₂ O ₃ 25-70%)								
Fireclay			✓			✓	✓	
HIGH CONTENT ALUMINIA (Al ₂ O ₃ 70-95%)								
Mullite, Beauxite, Durital, Rocal, Zirmul				✓		✓		
ELECTROFUSED								
Corhart ZAC, Corhart 104, Zirconia, Jargal	✓							
Mullite, Alumina, Basalt	✓							
INSULATION		✓				✓	✓	

★★★★★
Dynamic

RC400

Laser-welded diamond blade with key-hole geometry.

Application : ELECTROFUSED - Corhart ZAC, Corhart 104, Zirconia, Jargal, Mullite, Alumina, Basalt.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Steel type	Segment H / W
701846 26203 *	5450248 466291	✂	350	25,4	Standard	10/2,8
701846 26204 *	5450248 466307	✂	400	25,4	Standard	10/3,2
701846 26205 *	5450248 466314	✂	450	25,4	Standard	10/3,8
701846 26206	5450248 466321	✂	500	25,4	Standard	10/3,8
701846 26586 *	5450248 466338	✂	600	25,4	Standard	10/3,8

* Availability on request.





RC465

Dynamic

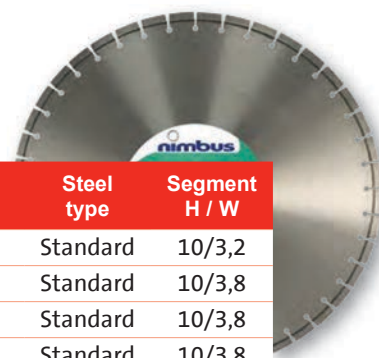
Laser-welded diamond blade with key-hole geometry.

Application : OXYDES - Dolomite, Tar & Magnesite.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Steel type	Segment H / W
701846 26316 *	5450248 393146		400	25,4	Standard	10/3,2
701846 26317 *	5450248 372158		450	25,4	Standard	10/3,8
701846 26318 *	5450248 372165		500	25,4	Standard	10/3,8
701846 26319 *	5450248 393153		600	25,4	Standard	10/3,8
701846 29314 *	5450248 466345		650	25,4	Standard	10/3,8

* Availability on request.



RC525

Dynamic

Laser-welded diamond blade with key-hole geometry.

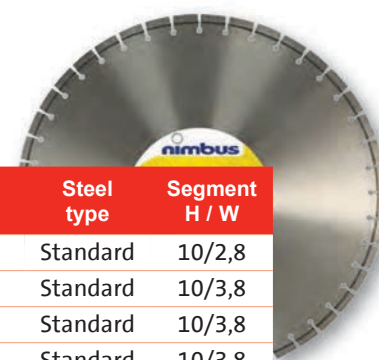
Application : OXYDES - Magnesite & Chromite, Chrome. LOW CONTENT ALUMINIA < 70%

- Fireclay. INSULATION.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Steel type	Segment H / W
701846 26284 *	5450248 466376		350	25,4	Standard	10/2,8
701846 26282 *	5450248 466352		450	25,4	Standard	10/3,8
701846 26283 *	5450248 466369		500	25,4	Standard	10/3,8
701846 26706 *	5450248 466383		600	25,4	Standard	10/3,8

* Availability on request.



RC540

Dynamic

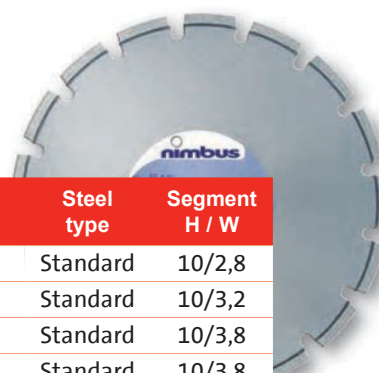
Laser-welded diamond blade with wide-gullet geometry.

Application : OXYDES - Zirconia, Silica. HIGH CONTENT ALUMINIA >70% - Mullite, Beauxite, Durital, Rocal, Zirmul.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Steel type	Segment H / W
701846 26285	5450248 393108		350	25,4	Standard	10/2,8
701846 26286	5450248 393115		400	25,4	Standard	10/3,2
701846 26287	5450248 393122		450	25,4	Standard	10/3,8
701846 26288	5450248 393139		500	25,4	Standard	10/3,8
701846 26707 *	5450248 393177		600	25,4	Standard	10/3,8

* Availability on request.



RC575

Dynamic

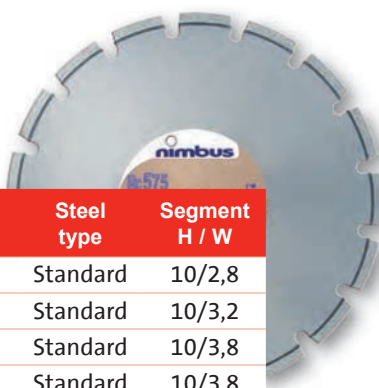
Laser-welded diamond blade with wide-gullet geometry.

Application : NON OXYDES - Silicon Carbide, Carborundum, Graphite.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Steel type	Segment H / W
701846 26320 *	5450248 466413		350	25,4	Standard	10/2,8
701846 26321 *	5450248 466437		400	25,4	Standard	10/3,2
701846 26322 *	5450248 466444		450	25,4	Standard	10/3,8
701846 26323 *	5450248 466451		500	25,4	Standard	10/3,8
701846 26324 *	5450248 466468		600	25,4	Standard	10/3,8

* Availability on request.





REFRACTORY MATERIALS



ZDH 500

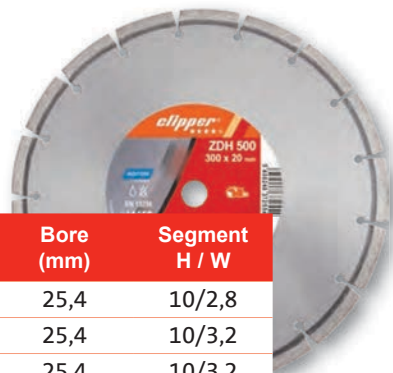
Pro

Good value for money laser-welded blade, with 10mm high free-cutting segments, for wet or dry cutting. VERSATILE product designed for petrol handheld saws, floor saws and masonry saws. High performance blade, designed for concrete, and medium to hard refractory materials.

Application : concrete, reinforced concrete, concrete slabs, refractory blocks containing aluminium oxydes.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 27061	5450248 372585		350	25,4	10/2,8
701846 27062	5450248 372592		400	25,4	10/3,2
701846 27063	5450248 372608		450	25,4	10/3,2
701846 27064	5450248 372615		500	25,4	10/3,8
701846 27065	5450248 372622		600	25,4	10/4,0



ZDM 200

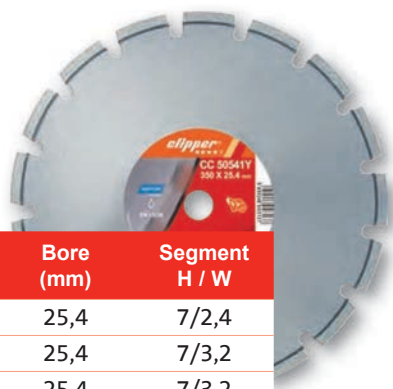
Pro

Very good value for money laser welded REFRACTORY blade for wet or dry cutting.

Application : refractory materials such as oxydes, magnesy, chromite and insulation bricks.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 10238	5450248 004424		350	25,4	7/2,4
701846 10239	5450248 004431		450	25,4	7/3,2
701846 10240	5450248 242505		500	25,4	7/3,2



ZMD 944T

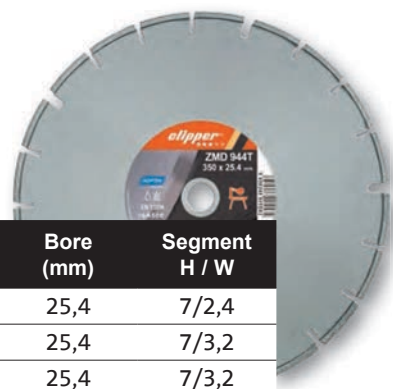
Pro

Good value for money laser-welded blade, for wet or dry cutting.

Application : abrasive products, breeze blocks, soft and ABRASIVE REFRACTORY MATERIALS, insulation blocks.



Item No	EAN 13 Code		Ø (mm)	Bore (mm)	Segment H / W
701846 10284	5450248 005582		350	25,4	7/2,4
701846 10285	5450248 005599		450	25,4	7/3,2
701846 10286	5450248 230151		500	25,4	7/3,2



The CLIPPER Solutions



CORE BITS





DRY DRILLING CORE BITS

Building Materials

PLUMBER KIT - ARID

Dry diamond core drills are used to create holes quickly and neatly in brick and block, usually to allow pipework through walls.

Dry drilling is a fairly simple process requiring a drill motor of min 800W equipped with a clutch.

Power drills or drilling motors with three jaw chucks, SDS and ½" BSP fittings can all be used with Norton dry diamond cores once the correct adaptor has been chosen. Accessories like length extensions or dust-swivel can also be fitted (see page 144).



Classic



(701846 45633)



(701846 40014)



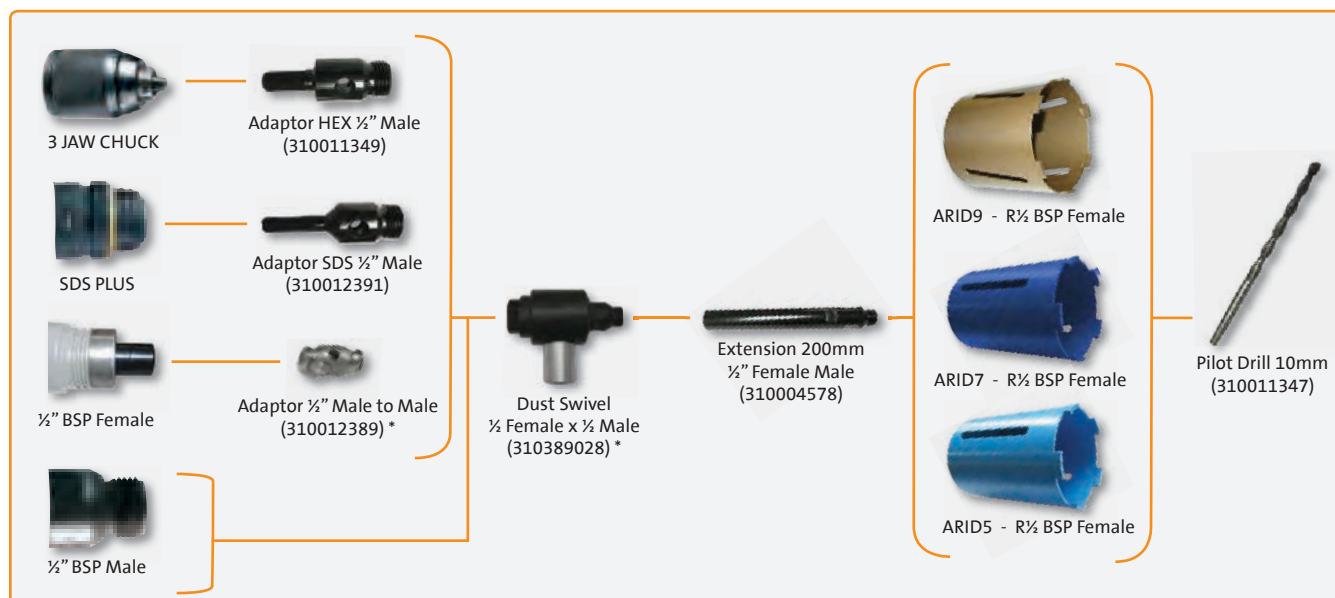
Item No	EAN 13 Code	Description
701846 45633	5450248 234852	ARID5 Dry diamond core 3-set Containing : 38mm, 52mm, 117mm Cores, 1 x Hex, 1 x SDS ½" Male Adaptors, 1 x Ejector Drift, 1 x A Taper Masonry Drill, 1 x 200mm Extension, ½" Male-Female, ½"-½" Male-Male adaptor.
701846 40014	5450248 453178	ARID5 Dry diamond core 5-set Containing : 38mm, 52mm, 65mm, 117mm, 127mm Cores, 1 x Hex, 1 x SDS ½" Male Adaptors, 1 x Ejector Drift, 1 x A Taper Masonry Drill, 1 x 200mm Extension ½" Male-Female, ½" Male-Female, ½"-½" Male-Male adaptor.

All above Dry Core Bits have ½" BSP female back end fitting.

CONNECTIONS



Dry handheld drilling with corebit R½ BSP Female



* Availability on request.



ARID9

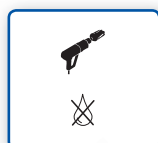
Dynamic

Most efficient specification for demanding professionals.

Standard slotted tube version is recommended for drilling without dust collection (to prevent dust agglomeration). Unslotted version is ideal in combination with a dust extractor.

Best drilling speed and life, even against toughest competitor benchmarks.

Connection : 1/2" BSP Female.



Item No	EAN 13 Code	Outer Ø (mm)	Core length	Number of segments
701846 20764	5450248 455738	32	150	3
701846 16550	5450248 275992	38	150	3
701846 15513	5450248 265726	48	150	3
701846 20168	5450248 297826	52	150	3
701846 15514	5450248 265733	65	150	3
701846 16555	5450248 276043	78	150	4
701846 15515	5450248 265757	91	150	4
701846 16559	5450248 276098	107	150	5
701846 20169	5450248 297833	117	150	6
701846 16565	5450248 276159	127	150	7
701846 15516	5450248 265764	152	150	8
701846 28591	5450248 455745	162	150	8

Unslotted corebits for optimised dust-extraction are available on request.



ARID7

Pro

High performance dry core bit. Faster drilling speed than ARID5 range. Drills faster than other products on the market.

Connection : 1/2" BSP Female.



Item No	EAN 13 Code	Outer Ø (mm)	Core length	Number of segments
701846 40160	5450248 454687	38	150	3
701846 40161	5450248 454793	52	150	3
701846 40162	5450248 454809	65	150	3
701846 40163	5450248 454816	78	150	4
701846 40164	5450248 454823	107	150	5
701846 40165	5450248 454847	117	150	6
701846 40166	5450248 454854	127	150	7
701846 40167	5450248 454861	152	150	8



ARID5

Classic

Most affordable corebits for craftsmen improved performance/price ratio :

. Conical connection shape to improve the mounting of the corebit => reduced vibrations, increased safety and better comfort.

. Optimised to get the best balance between drilling speed, product life and comfort.

. Easier core extraction.

Connection : 1/2" BSP Female.



Item No	EAN 13 Code	Dia x Lth (mm)	Number of segments	Seg H (mm)
701846 20351	5450248 230359	28 x 300	2	7
701846 20352	5450248 299592	38 x 150	3	7
701846 20353	5450248 299608	52 x 150	3	7
701846 40268	5450248 456193	65 x 150	3	7
701846 20354	5450248 299615	78 x 150	4	7
701846 20355	5450248 230366	107 x 150	5	7
701846 20356	5450248 230373	117 x 150	6	7
701846 20357	5450248 230380	127 x 150	7	7
701846 20358	5450248 299622	152 x 150	8	7



DRY DRILLING CORE BITS

Building Materials

ARID DS

ARID DS range is specifically designed for drilling electrical plug sockets in walls.

Dry drilling is a fairly simple process requiring a drill motor of min 800w equipped with a clutch. Power drills or drilling motors with three jaw chucks, SDS and ½" BSP fittings can all be used with Norton dry diamond cores once the correct adaptor has been chosen.



Pro

Pro ARID DS

Laser-welded segmented drill bit for handheld drilling. Suitable for dry drilling of electrical sockets and switches.

High quality for professional use.

Application: medium-hard building materials.



Item No	EAN 13 Code	Ø OD* (mm)	Length (mm)	Connection
701846 12873	5450248 017592	68	60	M16
701846 12874	5450248 017608	82	60	M16

* OD : Outer Diameter.



Classic

Classic ARID DS

Laser-welded segmented drill bit for handheld drilling. Suitable for dry drilling of electrical sockets and switches.

Good value for money.

Application: medium-hard building materials.



Item No	EAN 13 Code	Ø OD* (mm)	Length (mm)	Connection
701846 20422	5450248 230311	68	60	M16
701846 20423	5450248 230335	82	60	M16

* OD : Outer Diameter.

CONNECTIONS



Dry handheld drilling M16



* Availability on request.

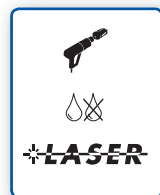


DD5 Gold IMPROVED !

For dry-drilling of non-reinforced masonry walls, Poroton, concrete blocks and abrasive materials.

New swirled core for reduced frictions and better dust evacuation.

Useful length : 150mm. Connection : M16 female thread.



Item No	EAN 13 Code	OD * (mm)	Number of segments	Segment L / W / H
701846 45863	5450248 535294	32	3	16/3,0/7
701846 45864	5450248 535317	36	3	16/3,0/7
701846 45865	5450248 535324	48	4	16/3,0/7
701846 45866	5450248 535331	52	5	16/3,0/7
701846 45867	5450248 535348	65	3	24/3,5/7
701846 45868	5450248 535355	82	4	24/3,5/7
701846 45869	5450248 535362	91	5	24/3,5/7
701846 45870	5450248 535379	102	5	24/3,5/7
701846 45871	5450248 535386	107	5	24/3,5/7
701846 45872	5450248 535393	117	6	24/3,5/7
701846 45873	5450248 535409	127	6	24/3,5/7
701846 45874	5450248 535416	152	7	24/4,0/7
701846 45875	5450248 535423	162	8	24/4,0/7
701846 45876	5450248 535447	202	9	24/4,0/7

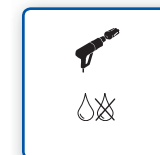
* OD : Outer Diameter.



Classic CDT

Good value for money. For dry or wet drilling of non-reinforced masonry walls, Poroton, concrete blocks and abrasive materials.

Useful length : 450mm. Connection : 1 1/4" UNC female thread.



Item No	EAN 13 Code	OD / ID* (mm)	Number of segments	Segment L / W / H
701846 24203 **	5450248 235521	51/45	3	24/3,0/7
701846 24204 **	5450248 235538	61/55	3	24/3,0/7
701846 24206 **	5450248 235552	81/74	4	24/3,5/7
701846 24208 **	5450248 235576	101/94	6	24/3,5/7
701846 24210 **	5450248 235583	111/104	7	24/3,5/7
701846 24209 **	5450248 235590	121/114	7	24/3,5/7
701846 24211 **	5450248 235606	131/124	7	24/3,5/7
701846 24212 **	5450248 235613	151/143	8	24/4,0/7
701846 24213 **	5450248 235620	161/153	8	24/4,0/7

* OD-ID : Outer Diameter - Inner Diameter. ** Availability on request



Pro CB BETON XT

Light-weight laser-welded corebit for handheld wet-drilling applications. 10mm high extra-thin tapered-top segments for very fast drilling and quick start.

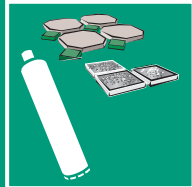
Useful length : 300mm. Connection : 1/2" male.

Application : concrete and reinforced concrete, brick walls, masonry walls.



Item No	EAN 13 Code	OD / ID* (mm)	Number of segments	Segment L / W / H
701846 41409	5450248 472131	52/47	4	24/2,6/10
701846 41410	5450248 472148	62/57	4	24/2,6/10
701846 41411	5450248 472155	72/67	5	24/2,6/10
701846 41412	5450248 472162	82/77	6	24/2,6/10
701846 41413	5450248 472179	92/87	7	24/2,6/10
701846 41415	5450248 472292	102/97	8	24/2,6/10
701846 41416	5450248 472308	112/107	8	24/2,6/10
701846 41417	5450248 472315	122/117	9	24/2,6/10
701846 41419	5450248 472339	132/127	9	24/2,6/10

* OD-ID : Outer Diameter - Inner Diameter.



WET DRILLING CORE BITS

Ceramic tiles & Natural stone

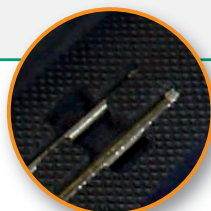
TILER KIT

The recommended “must“ for the professional tilers !

Drilling in ceramic tiles and natural stone has never been so easy !

Content

- 2 x Original CLIPPER Super Gres XT Evo - 115 x 22,23mm for angle-grinder.
- 5 x Original NORTON “Multi-purpose“ cutting discs - 115 x 22,23mm.
- A set of diamond-electroplated tiles drills in diameter 6, 8, 10, and 12mm.
- 1 x Suction drill guide (simple and fast in a solid transport suitcase).



Pro

Tiler kit

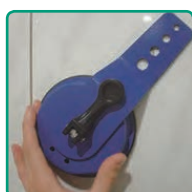
Designed for cutting and drilling all types of tiles found in the industry, will also give outstanding performance on hard and brittle materials such as marble, granite, porcelain.



Item No	EAN 13 Code	Drills Ømm
701846 24497	5450248 236771	6, 8, 10, 12

Recommendation of use :

- For an optimal performance, add some water during the cut.
- Works also with entry-level equipment, from low power 500W cordless power drills.
- Set the power drill to a slow rotation speed.
- If available, switch the hammer-mode off.





Pro

Diamond Tile Drills

Electroplated diamond drills designed for drilling all types of tiles found in the industry, will also give outstanding performance on hard and brittle materials such as marble, granite, porcelain.

Ø 10mm connection for 3-jaw chuck power drills. For dry or wet drilling.



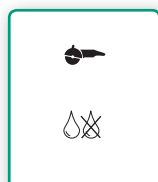
Item No	EAN 13 Code	Ø
3103 05776	5450248 344896	6mm
3103 05777	5450248 344902	8mm
3103 05778	5450248 344919	10mm
3103 05780	5450248 344933	12mm
3103 05792	5450248 345077	14mm
3103 05793	5450248 345084	28mm
3103 05794	5450248 345091	35mm
3103 16728	5450248 350118	45mm
3103 16729	5450248 350125	68mm
3103 16730	5450248 350132	82mm
3103 01580	5450248 348498	3-Pack 6/8/10mm
3100 74148	5450248 373612	Vacuum asorption centering tool 6/8/10/12



Pro

Pro CERAM VB Dry **NEW**

Vacuum-brazed diamond drills designed for dry-drilling of hard ceramic tiles and natural stones. M14 connection for fitting directly onto angle-grinders.



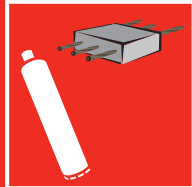
Item No	EAN 13 Code	Ø
701846 47338	5450248 558699	6xM14
701846 47339	5450248 558705	8xM14
701846 47340	5450248 558712	10xM14
701846 47341	5450248 558729	12xM14
701846 45760	5450248 534099	20xM14
701846 45761	5450248 534105	28xM14
701846 45762	5450248 534112	35xM14
701846 45763	5450248 534129	45xM14
701846 46255	5450248 540472	55xM14
701846 45764	5450248 534136	68xM14
701846 45765	5450248 534143	82xM14



Centering device for large diameters

Item No	EAN 13 Code
701846 45766	5450248 534167





WET DRILLING CORE BITS

Concrete & Concrete Products



THE REVOLUTION

O'TIPPING : THE NEW WAY TO RETIP USED CORE BITS

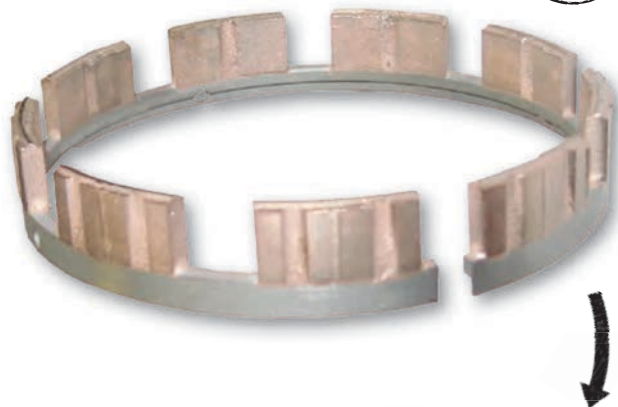
Once the segments of a corebit are used, it can be re-tipped by brasing new segments.

This re-tipping operation is rather costly in terms of labor costs, inventory, handling and transportation and requires the return of the corebit back into a workshop.

The new O'Tip, which consists of a steel-ring pre-mounted with segments which can be quickly brased on core drilling tubes, brings a simple solution, easy to implement even on the jobsite.

Segments on O'tip rings are perfectly aligned and spaced, which is very difficult when using magnets in manual brazing. Their torque resistance is close to laser-welded segments.

The steel ring cross section is "L" shaped, providing a much larger brazing contact surface between the tube and O'Tip, and bringing wear-protection to the tip of the tube.



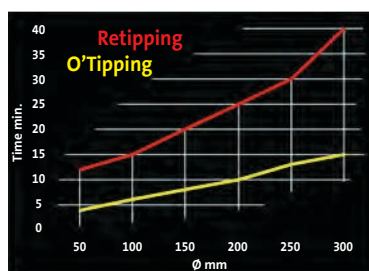
SEGMENT TORQUE RESISTANCE TO BREAKAGE (IN N/MM²)



CARACTERISTICS :

- . Corrugated Segments : reduced friction
- . Roof top Segment : quick start
- . For wet drilling
- . Concrete, reinforced concrete and building materials
- . Diameters : 52, 82, 102, 122 and 152mm (to start with)

TIME SAVING BETWEEN RETIPPING AND O'TIPPING



ADVANTAGES :

- ✓ Cheaper than standard retipping
- ✓ Huge time saving
- ✓ Brazing in work-shop OR directly on job-site
- ✓ No need for special cutting equipment
- ✓ No need for specific brazing expertise
- ✓ Perfect positioning of segments
- ✓ No risk of attachment failure
- ✓ The tube can be re-used 5 to 10 times, without being cut (constant length)
- ✓ No more useless transportation of tubes
- ✓ Space and inventory saving

O'TIPPING CAN BE DONE DIRECTLY ON CONSTRUCTION SITE



2mm



- . Leaving the bit mounted, apply heat over a small section of the worn O'Tip.
- . Pull with pliers to quickly remove O'Tip in small pieces.



3mm



- . Clean the tube with an angle grinder.
- . Apply brazing flux.



6mm



- . Dismount the tube and place it vertically on the new O'Tip.
- . Apply heat to the steel ring, over an 8cm section surrounding the special holes.
- . Place the brazing rod through the special holes, silver solder will spread by capillarity effect.
- . Start with the cut section of the steel ring, and repeat for each hole.



VIDEO LINK



O'TIP RINGS

O'TIP : the NORTON solution to make RETIPPING easier ! O'TIP rings can be silver-brazed on any type of core-drilling tube.

Application : wet-drilling of concrete and reinforced concrete.



Item No	EAN 13 Code	OD * (mm)	Number of segments	Segment W / H
701846 42239	5450248 496755	42	5	3,2/10
701846 42243	5450248 496786	52	4	3,8/10
701846 42244	5450248 497493	62	5	3,8/10
701846 42245	5450248 497509	67	5	3,8/10
701846 42246	5450248 497516	77	6	3,8/10
701846 42252	5450248 497523	82	6	3,8/10
701846 42253	5450248 497547	102	8	3,8/10
701846 42254	5450248 497554	107	9	3,8/10
701846 42255	5450248 497561	112	9	3,8/10
701846 42256	5450248 497578	122	9	4,2/10
701846 42257	5450248 497585	127	10	4,2/10
701846 42258	5450248 497592	132	10	4,2/10
701846 42259	5450248 497608	152	11	4,2/10
701846 42260	5450248 497615	162	12	4,2/10
701846 42261	5450248 497622	182	12	5,0/10
701846 42262	5450248 497639	202	14	5,0/10
701846 42263	5450248 497649	250	16	5,0/10

* OD : Outer Diameter.



O'TIP COREBITS

No need to cut the tube for retipping anymore !

O'TIP corebits are standard tubes directly fitted with a first O'TIP ring. After use, simply un-braze the worn O'TIP ring, clean the tube and braze directly a new O'TIP ring.

Useful length : 450mm. Connection : R1"½.



Item No	EAN 13 Code	OD * (mm)	Number of segments	Segment L / W / H
701846 42219	5450248 496816	42	5	3,2/10
701846 42218	5450248 496809	52	4	3,8/10
701846 42220	5450248 496823	62	5	3,8/10
701846 42221	5450248 496847	67	5	3,8/10
701846 42222	5450248 496854	77	6	3,8/10
701846 42226	5450248 496861	82	6	3,8/10
701846 42227	5450248 496878	102	8	3,8/10
701846 42228	5450248 496885	107	9	3,8/10
701846 42229	5450248 496991	112	9	3,8/10
701846 42230	5450248 497004	122	9	4,2/10
701846 42231	5450248 497011	127	10	4,2/10
701846 42232	5450248 497028	132	10	4,2/10
701846 42233	5450248 497035	152	11	4,2/10
701846 42234	5450248 497042	162	12	4,2/10
701846 42235	5450248 497059	182	12	5,0/10
701846 42236	5450248 497066	202	14	5,0/10
701846 42237	5450248 497073	250	16	5,0/10

* OD : Outer Diameter.

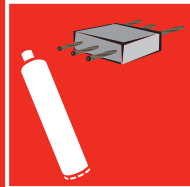
O'TIP BRASING KIT

Item No	EAN 13 Code	
701846 42718	5450248 501473	Kit O'Tip BETON containing :
	3103 96217	5450248 511045 Brazing Rods (set of 10)
	3103 96218*	5450248 511052 Flux of Brazing (500 gr)
	5100 85154	5450248 511496 Brush for KIT O'TIP

Order O'TIP RINGS separately.

* Availability on request.





WET DRILLING CORE BITS

Concrete & Concrete Products



Dynamic

X3

The new X3 diamond drill uses a unique configuration of bond and diamond specification in a revolutionary new dual fluted/tapered segment, for extreme performance : easy drill-start, 20% faster drilling speed than standard corebits, better product life with 12mm segment height.

Useful length : 450mm.

Connection : 1 1/4" UNC female thread.

Application : concrete and reinforced concrete.



Item No	EAN 13 Code	OD / ID* (mm)	Number of segments	Segment L / W / H
701846 29370	5450248 414544	48/41	4	24/3,6/12
701846 29161	5450248 403296	52/45	4	24/3,6/12
701846 29338	5450248 414551	62/55	5	24/3,6/12
701846 29162	5450248 403302	67/60	5	24/3,6/12
701846 29163	5450248 403319	77/70	6	24/3,6/12
701846 29174	5450248 403364	82/75	6	24/3,6/12
701846 29167 **	5450248 403234	92/85	7	24/3,6/12
701846 29176	5450248 403388	102/95	8	24/3,6/12
701846 29091	5450248 403265	107/100	9	24/3,6/12
701846 29052	5450248 403258	112/105	9	24/3,6/12
701846 29455	5450248 414568	122/114	9	24/4/12
701846 29175	5450248 403371	127/119	10	24/4/12
701846 29339	5450248 414575	132/124	10	24/4/12
701846 29104	5450248 403272	152/144	11	24/4/12
701846 29165	5450248 403326	162/154	12	24/4/12
701846 29166 **	5450248 403333	178/170	13	24/4/12
701846 29349 **	5450248 403418	182/174	13	24/4/12
701846 29178	5450248 403401	202/192	14	24/5/12
701846 29151 **	5450248 403289	212/202	15	24/5/12
701846 29179	5450248 414582	225/215	15	24/5/12
701846 29180	5450248 414698	250/240	16	24/5/12

* OD / ID : Outer Diameter / Inner Diameter. ** Availability on request.



Pro

X3 Segments

Retipping segments for Pro X3 segmented corebits.

Application : Concrete and reinforced concrete.



Item No	Range (mm)	Segment L / H / W
310390374	42-57	24/2,8/10
310390375	58-72	24/2,8/10
310390386	73-87	24/2,8/10
310390387	88-102	24/2,8/10
310390388	103-117	24/2,8/10
310390389	118-146	24/3,2/10
310390391	147-190	24/3,2/10
310390392	191-290	24/3,5/10
310390406	291-490	24/4,0/10



Pro CB BETON - Segmented

Core drills with laser welded segments for wet drilling. The special tapered-shape segments allow for an easier start of the drill.

Useful length : 450mm.

Connection : 1 1/4" UNC female thread.

Application : concrete and reinforced concrete, masonry.



Item No	EAN 13 Code	Connection	OD / ID* (mm)	Number of segments	Segment L / W / H
701846 24870	5450248 239123	1 1/4"	52/45	4	24/3,5/10
701846 24871	5450248 239147	1 1/4"	57/50	4	24/3,5/10
701846 24872	5450248 239154	1 1/4"	62/55	5	24/3,5/10
701846 24873	5450248 239161	1 1/4"	67/60	5	24/3,5/10
701846 24874	5450248 239178	1 1/4"	72/65	5	24/3,5/10
701846 24875	5450248 239185	1 1/4"	77/70	6	24/3,5/10
701846 24876	5450248 239192	1 1/4"	82/75	6	24/3,5/10
701846 24878	5450248 239215	1 1/4"	87/80	6	24/3,5/10
701846 24879	5450248 239222	1 1/4"	92/85	7	24/3,5/10
701846 24880	5450248 239239	1 1/4"	102/95	8	24/3,5/10
701846 24881	5450248 239246	1 1/4"	107/100	8	24/3,5/10
701846 24882	5450248 239253	1 1/4"	112/105	8	24/3,5/10
701846 24883	5450248 239277	1 1/4"	122/114	9	24/4,0/10
701846 24884	5450248 239284	1 1/4"	127/119	9	24/4,0/10
701846 24885	5450248 239291	1 1/4"	132/124	9	24/4,0/10
701846 24886	5450248 239307	1 1/4"	142/134	10	24/4,0/10
701846 24887	5450248 239314	1 1/4"	152/144	11	24/4,0/10
701846 24888	5450248 239321	1 1/4"	162/154	11	24/4,0/10
701846 24889	5450248 239338	1 1/4"	172/164	12	24/4,0/10
701846 24890	5450248 239345	1 1/4"	182/174	12	24/4,0/10
701846 24892	5450248 239369	1 1/4"	202/194	14	24/4,0/10
701846 24893 **	5450248 239376	1 1/4"	212/203	14	24/4,5/10
701846 24894	5450248 239383	1 1/4"	227/218	15	24/4,5/10
701846 24895	5450248 239406	1 1/4"	252/243	16	24/4,5/10
701846 24896 **	5450248 239413	1 1/4"	272/263	18	24/4,5/10
701846 24897	5450248 239437	1 1/4"	300/290	19	24/5,0/10
701846 24900	5450248 239468	1 1/4"	350/340	21	24/5,0/10
701846 24901	5450248 239475	1 1/4"	400/390	24	24/5,0/10
701846 24904 **	5450248 239505	1 1/4"	600/590	32	24/5,0/10

* OD / ID : Outer Diameter / Inner Diameter. ** Availability on request.



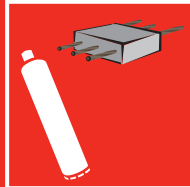
Pro CB BETON Segments

Retipping segments for Pro CB Beton segmented corebits.

Application : Concrete and reinforced concrete, masonry.



Item No	Range (mm)	Segment L / H / W
3103 77850	42-57	24/3,5/10
3103 77851	58-72	24/3,5/10
3103 77852	73-87	24/3,5/10
3103 77853	88-102	24/3,5/10
3103 77854	103-117	24/4,0/10
3103 77855	118-146	24/4,0/10
3103 77886	147-190	24/4,0/10
3103 77887	191-290	24/4,5/10
3103 77888	291-490	24/5,0/10
3103 77890	500-1000	24/5,0/10



WET DRILLING CORE BITS

Concrete & Concrete Products



Classic CB BETON

Classic

Core drill with brazed segments. Good value for money.

Suitable for concrete and masonry walls.

Useful length : 450mm.

Connection : 1 1/4" UNC female thread.



Item No	EAN 13 Code	OD / ID* (mm)	Number of segments	Segment L / W / H
701846 13201	5450248 184355	51/45	5	24/3,0/7,0
701846 13202	5450248 184119	56/50	5	24/3,0/7,0
701846 13203	5450248 184126	61/55	5	24/3,5/7,0
701846 13204	5450248 184133	66/59	6	24/3,5/7,0
701846 13205	5450248 184140	71/64	6	24/3,5/7,0
701846 13206	5450248 184157	76/69	6	24/3,5/7,0
701846 13207	5450248 184164	81/74	7	24/3,5/7,0
701846 13208	5450248 184171	86/79	7	24/3,5/7,0
701846 13209	5450248 184188	91/84	8	24/3,5/7,0
701846 13210	5450248 184195	101/94	8	24/3,5/7,0
701846 13211	5450248 184201	106/99	9	24/3,5/7,0
701846 13212	5450248 184218	111/104	9	24/3,5/7,0
701846 13213	5450248 184225	121/114	10	24/3,5/7,0
701846 13214	5450248 184232	126/118	10	24/4,0/7,0
701846 13215	5450248 184249	131/123	10	24/4,0/7,0
701846 13216	5450248 184256	141/133	11	24/4,0/7,0
701846 13217	5450248 184263	151/143	12	24/4,0/7,0
701846 13218	5450248 184270	161/153	12	24/4,0/7,0
701846 13219	5450248 184287	171/163	13	24/4,0/7,0
701846 13220	5450248 184294	181/173	13	24/4,0/7,0
701846 13221 **	5450248 184300	191/183	13	24/4,0/7,0
701846 13222	5450248 184317	201/193	14	24/4,0/7,0
701846 13223	5450248 184324	211/203	14	24/4,0/7,0
701846 13252	5450248 184911	225/215	15	24/5,0/7,0
701846 13224	5450248 184331	251/241	16	24/5,0/7,0
701846 13253 **	5450248 184928	271/261	18	24/5,0/7,0
701846 13225	5450248 184348	300/290	20	24/5,0/7,0

* OD / ID : Outer Diameter / Inner Diameter. ** Availability on request.



Classic CB BETON Segments

Classic

Application : concrete and concrete products.



Item No	Range (mm)	Segment L / H / W
3100 02554	51-61	24/3,0/7,0
3100 02555	66-76	24/3,5/7,0
3100 02556	81-91	24/3,5/7,0
3100 02557	96-116	24/3,5/7,0
3100 02558	121-151	24/4,0/7,0
3100 02559	156-186	24/4,0/7,0
3100 02560	191-221	24/4,0/7,0
3100 02561	> 225	24/5,0/7,0



Pro CB GRANIT

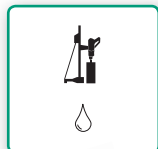
Pro

Core-bit with brased segments, especially designed for wet-drilling of granite and natural stones.

Useful length : 450mm.

Connection : 1" ¼ female.

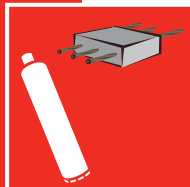
Application : granite and natural stones.



Item No	EAN 13 Code	OD / ID* (mm)	Number of segments	Segment L / W / H
701846 30598 **	5450248 443001	62/55	3	24/3,5/7
701846 26708 **	5450248 439387	82/75	4	24/3,5/7
701846 30190 **	5450248 412502	92/84	4	24/4,0/7
701846 24655 **	5450248 340195	101/94	4	24/4,0/7
701846 28192 **	5450248 391715	121/113	5	24/4,0/7
701846 26244 **	5450248 439394	151/143	7	24/4,0/7

* OD / ID : Outer Diameter - Inner Diameter. ** Availability on request.





WET DRILLING CORE BITS

Concrete & Concrete Products



Dynamic

TWICS

TWICS crown diamond core drills are high performance, super fast, precision tools that give 30% faster penetration rates. These free cutting cores are designed for heavily reinforced concrete applications where speed is the most important factor.

TWICS benefits from a new technology similar to O'TIP, making the retipping easy thanks to the L-shape metal ring.

The new "Easy Start" feature facilitates the first hole and the long water ways ensure the proper cooling of the crown.

Useful length : 300mm.

Connection : ½" BSP male black end fitting.

Application : For concrete, reinforced concrete, masonry walls, granite and marble.



Item No	OD* (mm)	Crown H / W
701846 41240	18	10/2,5
701846 41718	20	10/2,5
701846 41719	22	10/2,5
701846 41720	24	10/2,5
701846 41721	25	10/2,5
701846 41722	26	10/2,5
701846 41723	28	10/2,5
701846 41724	30	10/2,5
701846 41725	32	10/2,5
701846 41726	36	10/2,5
701846 41728	40	10/2,5
701846 41729	50	10/2,5

* OD : Outer Diameter.



Dynamic

TWICS Crowns

Replacement crowns for re-tipping of TWICS crown diamond drills.

Available in a range of sizes from 8mm to 50mm or wet drilling only.



Item No	OD* (mm)	Crown H / W
3104 12498	18	10/2,5
3103 91501	20	10/2,5
3103 91502	22	10/2,5
3103 91503	24	10/2,5
3104 12501	25	10/2,5
3103 91505	26	10/2,5
3104 12502	28	10/2,5
3103 91547	30	10/2,5
3104 12503	32	10/2,5
3104 12504	36	10/2,5
3103 91551	40	10/2,5
3103 91552	50	10/2,5

* OD : Outer Diameter.





Pro

Pro CB BETON - Crowned

Professional crownbit for small diameters wet-drilling jobs.

Brazed crownbit for wet-drilling.

Useful length : 300mm.

Connection : ½" BSP male black end fitting.

Application : For concrete and masonry walls.



Item No	EAN 13 Code	Connection	OD / ID* (mm)	Core length	Crown H
701846 12947	5450248 020585	½"	14/10	300	10
701846 12823	5450248 015901	½"	16/12	300	10
701846 12824	5450248 015918	½"	18/14	300	10
701846 12825	5450248 015925	½"	20/16	300	10
701846 12826	5450248 015932	½"	22/18	300	10
701846 12827	5450248 015949	½"	25/21	300	10
701846 12828	5450248 015956	½"	28/24	300	10
701846 12829	5450248 015963	½"	30/26	300	10
701846 12830	5450248 015970	½"	32/28	300	10
701846 12831	5450248 015987	½"	35/31	300	10
701846 12833	5450248 016007	½"	38/34	300	10
701846 12834	5450248 016014	½"	40/36	300	10
701846 12835	5450248 016021	½"	51/47	300	10

* OD / ID : Outer Diameter / Inner Diameter.



Pro

Pro CB BETON Crowns

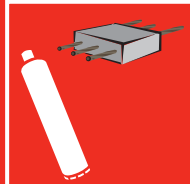
Retipping crowns for Pro CB Beton crownbits.

Application : Concrete and reinforced concrete, masonry.



Item No	OD* (mm)	Crown H / W
3103 28465	14	7/2,0
3103 28467	16	7/2,0
3103 28468	18	7/2,0
3103 28469	20	7/2,0
3103 28470	22	7/2,0
3103 28482	25	7/2,0
3103 28483	26	7/2,0
3103 28485	28	7/2,0
3103 28486	30	7/2,0
3103 28487	32	7/2,0
3103 28488	35	7/2,0
3103 28497	38	7/2,0
3103 28490	40	7/2,0
3103 28499	42	7/2,0
3103 28491	51	7/2,0

* OD : Outer Diameter.



WET DRILLING CORE BITS

Concrete & Concrete Products



ROBO FORSHEDA

Pro

For concrete, reinforced concrete, concrete pipes, ductile iron pipes.

Useful length : 300mm.

3-hole flange especially adapted for use on ROBO 3003 core drilling machine (see at page 138).



Item No	EAN 13 Code	OD / ID* (mm)	Number of segments	Segment L / W / H
701846 12951	5450248 021483	111/104	7	24/3,5/7,0
701846 12952	5450248 021490	126/120	8	24/3,5/7,0
701846 13170 **	5450248 171522	137/129	9	24/4,0/7,0
701846 12883	5450248 018247	152/144	10	24/4,0/7,0
701846 12954	5450248 021513	161/153	10	24/4,0/7,0
701846 20436 **	5450248 300304	166/158	10	24/4,0/7,0
701846 12955 **	5450248 021520	171/163	11	24/4,0/7,0
701846 20348 **	5450248 299561	178/170	12	24/4,0/7,0
701846 13316	5450248 208921	182/174	12	24/4,0/7,0
701846 13075	5450248 131663	187/179	12	24/4,0/7,0
701846 12882	5450248 018230	196/187	12	24/4,0/7,0
701846 12956	5450248 194255	201/192	12	24/4,0/7,0
701846 12957 **	5450248 021544	211/202	12	24/4,0/7,0
701846 12958 **	5450248 021551	225/216	12	24/4,0/7,0
701846 12884	5450248 018254	248/238	16	24/5,0/7,0
701846 12959 **	5450248 021568	251/241	16	24/5,0/7,0
701846 12960	5450248 021575	257/247	16	24/5,0/7,0
701846 13080 **	5450248 133940	277/267	17	24/5,0/7,0
701846 13081 **	5450248 133957	290/280	18	24/5,0/7,0
701846 13082 **	5450248 133964	296/286	19	24/5,0/7,0
701846 13076 **	5450248 131670	299/289	20	24/5,0/7,0
701846 13083 **	5450248 133971	330/320	21	24/5,0/7,0
701846 13127 **	5450248 162612	355/345	22	24/5,0/7,0

* OD / ID : Outer Diameter / Inner Diameter. ** Availability on request.



Don't forget to use our 3-holes flange to 1" female adaptor - 3100 04594 (see page 142).



ROBO FORSHEDA Segments

Pro

Retipping segments for Pro Robo Forsheda corebits.

Application : concrete, reinforced concrete, concrete pipes, ductile iron pipes.



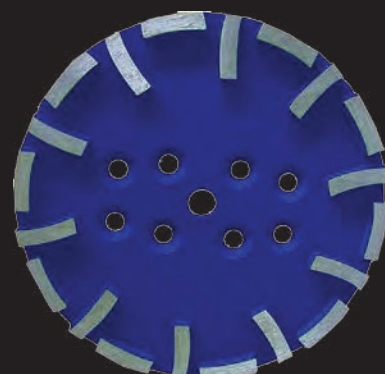
Item No	Range (mm)	Segment L / H / W
3100 02557	96-116	24/3,5/7,0
3100 02558	121-151	24/4,0/7,0
3100 02559	156-186	24/4,0/7,0
3100 02560	191-221	24/4,0/7,0
3100 02561	> 225	24/5,0/7,0



The CLIPPER Solutions



GRINDING DIAMOND TOOLS





DIAMOND GRINDING TOOLS

STEP 1 - CLEANING/SCARIFYING

with tungsten carbide Multi-Flaile Grinder Head



Grinder head with 5 tungsten carbide drums for cleaning, grooving, scarifying and preparing concrete floor surfaces. For removal of paints, resins, elastic glues, and other flexible materials.

Machine	Description	Name	Item n°	EAN 13 Code	Flailes OD/W (mm)
CG25 S	Multiple flailes rotary disc	GRM25S Metal (large)	701846 27120	5450248 373193	5x 50/5,1
	Refill Kit for GRM25S	Refill kit - large flailes	701846 43686	5450248 512998	5x 50/5,1
	Refill Kit for former version	Refill kit - small flailes	701846 27207	5450248 381877	6x 30/5,5



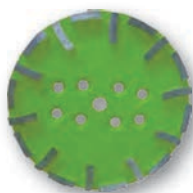
STEP 2 - GRINDING

with diamond plates



The GRD25 S grinding plates are designed for CG25 S machines. It is a light-weight and well-balanced grinding machine for small to medium surfaces.

Machine	Description	Name	Item n°	EAN 13 Code	Flailes OD/W (mm)
CG25 S	Hard bond segments for soft floors	GRD25 S SOFT Blue	701846 29625	5450248 404804	12x 10/10/40
	Medium bond segments for universal floors	GRD25 S MEDIUM Green	701846 27119	5450248 372684	12x 10/10/40
	Soft bond segments for hard floors	GRD25 S HARD Red	701846 29626	5450248 404811	12x 10/10/40



The GDR250 grinding plates are designed for heavy, in-depth grinding.

Description	Name	Item n°	EAN 13 Code	Flailes OD/W (mm)
Hard bond segments for soft floors	GRD250 SOFT Blue	701846 27116	5450248 372646	25x 10/10/40
Medium bond segments for universal floors	GRD250 MEDIUM Green	701846 27117	5450248 372653	25x 10/10/40
Soft bond segments for hard floors	GRD250 HARD Red	701846 27118	5450248 372677	25x 10/10/40

STEP 3 - FLOOR PREPARATION

Grinding wings for fine grinding and preparation of concrete floors.
Last steps before painting or using resin pads for polishing.



Soft bond for **hard floor** - Rectangles.

Pro

Application	Grit size	Name / Colour	Set	Item n°	EAN 13 Code	Segments H/T/L (mm)
Grinding of coatings and thin layers	18/20	FGW Hardfloor silver	3pcs	701846 45691	5450248 534303	2x 10/10/40
Creating adherence and grinding of top floors	30/40	FGW Hardfloor grey	3pcs	701846 45602	5450248 534204	2x 10/10/40
Creating adherence for water-based paints and grinding of top floors	60/80	FGW Hardfloor brown	3pcs	701846 45603	5450248 534211	2x 10/10/40
Last step before polishing with resin pads	120/150	FGW Hardfloor black	3pcs	701846 45604	5450248 534228	2x 10/10/40



Medium bond for **hard floor** - Boomerang.

Pro

Application	Grit size	Name / Colour	Set	Item n°	EAN 13 Code	Segments H/T/L (mm)
Grinding of coatings and thin layers	18/20	FGW Universal silver	3pcs	701846 45693	5450248 534334	1x 10/10/65
Creating adherence and grinding of top floors	30/40	FGW Universal grey	3pcs	701846 45608	5450248 534266	1x 10/10/65
Creating adherence for water-based paints and grinding of top floors	60/80	FGW Universal brown	3pcs	701846 45609	5450248 534273	1x 10/10/65
Last step before polishing with resin pads	120/150	FGW Universal black	3pcs	701846 45610	5450248 534297	1x 10/10/65



Hard bond for **soft floor** - Buttons.

Pro

Application	Grit size	Name / Colour	Set	Item n°	EAN 13 Code	Segments H/Ø (mm)
Grinding of coatings and thin layers	18/20	FGW Softfloor silver	3pcs	701846 45692	5450248 534327	2x 10/20
Creating adherence and grinding of top floors	30/40	FGW Softfloor grey	3pcs	701846 45605	5450248 534235	2x 10/20
Creating adherence for water-based paints and grinding of top floors	60/80	FGW Softfloor brown	3pcs	701846 45606	5450248 534242	2x 10/20
Last step before polishing with resin pads	120/150	FGW Softfloor black	3pcs	701846 45607	5450248 534259	2x 10/20



Classic

All-round grinding wings.

Application	Grit size	Name / Colour	Set	Item n°	EAN 13 Code	Segments H/T/L (mm)
Adapter for grinding wings on CG435			3pcs	701846 27131	5450248 373315	
Grinding of coatings and thin layers	20	GRW20 Gold	9pcs	701846 27121	5450248 373209	2x 10/10/40
Creating adherence for paints and grinding of top floors	40	GRW40 Gold	9pcs	701846 27122	5450248 373216	2x 10/10/40



STEP 4 - POLISHING



Resin-bond **polishing pads** for dry-polishing of concrete and cement bound materials. The successive steps with finer and finer grit sizes will generate the required finishing outlook.

Application	Grit size	Name / Colour	Set	Item n°	EAN 13 Code	Pads H/Ø (mm)
Adapter for polishing pads			3pcs	701846 27132	5450248 373322	
First step in the polishing process	100	POP100 Black	9pcs	701846 27125	5450248 373254	6x 12/14
For a silky finish	400	POP400 Red	9pcs	701846 27127	5450248 373278	6x 12/14



The CLIPPER Solutions



THIN WHEELS





Grinding & cutting-off wheels

The Norton Vulcan program offers you a complete range of grinding and cutting-off wheels for angle grinders, petrol saw machines and small table machines.

Norton Vulcan professional grinding and cutting-off wheels are characterised by high performance with an excellent price/performance ratio and are suitable for cutting and grinding a wide range of steel, stainless steel and stone applications. The unique combination of quick cutting times and high wheel life will result in a decrease of your total abrasive costs.

NORTON VULCAN CUTTING-OFF WHEELS SHAPE 41 FOR ANGLE GRINDERS

SAP	Shape	Size	Specification	Application	Box
66252925431	41	115x1,0x22,23	A 60 S-BF41	steel-inox	25
66252925432	41	115x1,6x22,23	A 46 S-BF41	steel-inox	25
66252925433	41	125x1,0x22,23	A 60 S-BF41	steel-inox	25
66252925434	41	125x1,6x22,23	A 46 S-BF41	steel-inox	25
66252925435	41	180x1,6x22,23	A 46 S-BF41	steel-inox	25
66252925436	41	230x1,9x22,23	A 46 S-BF41	steel-inox	25
66252925437	41	115x2,0x22,23	A 30 S-BF41	steel-inox	25
66252925438	41	125x2,0x22,23	A 30 S-BF41	steel-inox	25
66252925439	41	150x2,0x22,23	A 30 S-BF41	steel-inox	25
66252925440	41	180x2,0x22,23	A 30 S-BF41	steel-inox	25
66252925441	41	230x2,0x22,23	A 30 S-BF41	steel-inox	25
66252925442	41	115x2,5x22,23	A 30 S-BF41	steel-inox	25
66252925443	41	125x2,5x22,23	A 30 S-BF41	steel-inox	25
66252925445	41	180x2,5x22,23	A 30 S-BF41	steel-inox	25
66252925446	41	230x2,5x22,23	A 30 S-BF41	steel-inox	25
66252925452	41	115x3,0x22,23	C 30 R-BF41	stone	25
66252925453	41	125x3,0x22,23	C 30 R-BF41	stone	25
66252925454	41	150x3,0x22,23	C 30 R-BF41	stone	25
66252925455	41	180x3,0x22,23	C 30 R-BF41	stone	25
66252925456	41	230x3,0x22,23	C 30 R-BF41	stone	25



NORTON VULCAN CUTTING-OFF WHEELS SHAPE 42 FOR ANGLE GRINDERS



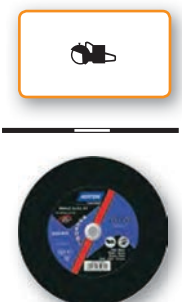
SAP	Shape	Size	Specification	Application	Box
66252925494	42	115x3,2x22,23	A 30 S-BF42	steel-inox	25
66252925495	42	125x3,2x22,23	A 30 S-BF42	steel-inox	25
66252925496	42	150x3,2x22,23	A 30 S-BF42	steel-inox	25
66252925497	42	180x3,2x22,23	A 30 S-BF42	steel-inox	25
66252925498	42	230x3,2x22,23	A 30 S-BF42	steel-inox	25
66252925500	42	115x3,2x22,23	C 30 R-BF42	stone	25
66252925501	42	125x3,2x22,23	C 30 R-BF42	stone	25
66252925502	42	180x3,2x22,23	C 30 R-BF42	stone	25
66252925503	42	230x3,2x22,23	C 30 R-BF42	stone	25

NORTON VULCAN GRINDING WHEELS SHAPE 27 FOR ANGLE GRINDERS



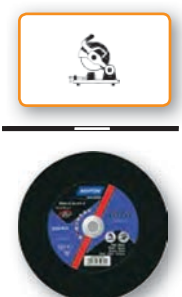
SAP	Shape	Size	Specification	Application	Box
66252830803	27	115x6,4x22,23	A 30 P-BF27	steel-inox	10
66252830804	27	125x6,4x22,23	A 30 P-BF27	steel-inox	10
66252830805	27	180x6,4x22,23	A 30 P-BF27	steel-inox	10
66252830806	27	180x8,0x22,23	A 30 P-BF27	steel-inox	10
66252830807	27	230x6,4x22,23	A 30 P-BF27	steel-inox	10
66252925533	27	115x6,4x22,23	C 30 R-BF27	stone	10
66252925534	27	125x6,4x22,23	C 30 R-BF27	stone	10
66252925535	27	180x6,4x22,23	C 30 R-BF27	stone	10
66252925537	27	230x6,4x22,23	C 30 R-BF27	stone	10

NORTON VULCAN PETROL SAWS SHAPE 41 FOR PETROL AND ELECTRIC SAWS - 80 M/S



SAP	Shape	Size	Specification	Application	Box
66252925457	41	300x3,5x20,0	A 30 S-BF41/80 Petrol Saw	steel	10
66252925458	41	300x3,5x22,23	A 30 S-BF41/80 Petrol Saw	steel	10
66252925479	41	300x3,5x20,0	C 30 R-BF41/80 Petrol Saw	stone	10

NORTON VULCAN CHOP SAWS SHAPE 41 FOR ELECTRIC TABLE AND FIXED MACHINES – 80 M/S



SAP	Shape	Size	Specification	Application	Box
66252925460	41	300x2,8x25,4	A 30 S-BF41/80 Chop Saw	steel	10
66252925462	41	350x3,0x25,4	A 30 S-BF41/80 Chop Saw	steel	10
66252925463	41	350x3,0x32,0	A 30 S-BF41/80 Chop Saw	steel	10



NORTON QUANTUM

No other wheel lasts longer !

Freeness of cut and a very fast cutting action are the key attributes of any cut-off wheel.

Add longer life, and you have the absolute best performing product on the market – Norton Quantum. Norton Quantum has been designed to give premium product users the best cut rate and unrivalled wheel life - outperforming the competition and yielding the lowest abrasive costs with minimised operator effort.



NORTON QUANTUM CUTTING-OFF WHEELS FOR ANGLE GRINDERS

SAP	Shape	Size	Specification	Application	Box
66252840231	41	76x1,0x10	ZA 60 ZZ-BF41	steel-inox	25
66252840534	41	76x1,0x10	ZA 60 ZZ-BF41	steel-inox	25
66252836338	41	115x1,0x22,23	ZA 60 ZZ-BF41	steel-inox	25
66252836897	41	115x1,3x22,23	ZA 60 ZZ-BF41	steel-inox	25
66252836339	41	115x1,6x22,23	ZA 46 ZZ-BF41	steel-inox	25
66252836340	41	125x1,0x22,23	ZA 60 ZZ-BF41	steel-inox	25
66252836898	41	125x1,3x22,23	ZA 60 ZZ-BF41	steel-inox	25
66252836341	41	125x1,6x22,23	ZA 46 ZZ-BF41	steel-inox	25
66252837989	41	180x1,6x22,23	ZA 46 ZZ-BF41	steel-inox	25
66252837990	41	230x1,9x22,23	ZA 46 ZZ-BF41	steel-inox	25
66252840228	42	115x0,8x22,23	ZA 60 ZZ-BF42	steel-inox	25
66252838243	42	125x0,8x22,23	ZA 60 ZZ-BF42	steel-inox	25
66252842242	27	115x7,0x22,23	ZA 24 R-BF27	steel-inox	25
66252842243	27	125x7,0x22,23	ZA 24 R-BF27	steel-inox	25
66252842862	27	180x7,0x22,23	ZA 24 T-BF27	steel-inox	25
66252840382	27	230x7,0x22,23	ZA 24 T-BF27	steel-inox	25

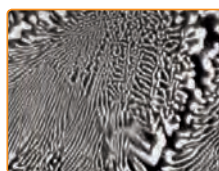


Unrivalled lifetime **A** Norton Quantum
B High Performance 'Competitor' wheel

Typical structure of the NorZon Plus grain which has better fracture toughness enabling more controlled fracture behaviour compared with aluminum oxide grain during rapid metal removal.



Eutectic microstructure of the NorZon grain (Al₂O₃ / ZrO₂).



Fast and precise cutting.



New generation Norton Quantum (A) retains significantly more grain on the edge of a cut wheel compared to high performance Competitor wheels (B).



NORTON MULTI PURPOSE

Cutting-off wheels

Norton Multi Purpose cutting-off wheels are optimized for cutting all applications at building sites. Use one single wheel to cut steel, stainless steel, metal, aluminum, stone, tiles, glass and plastic without any compromise on performance. Burr-free cutting of tube and profiles, clean and straight cutting of tiles and no loading when cutting non-ferrous or plastic. The products versatility and long lifetime specifics make this wheel the ideal cutting solution for typical construction and installation applications.



NORTON MULTI-PURPOSE CUTTING-OFF WHEELS SHAPE 41 FOR ANGLE GRINDERS

SAP	Shape	Size	Specification	Application	Box
66252833258	41	115x1,0x22,23	C 60 T-BF41 Multi Purpose	multi purpose	25
66252828951	41	115x1,6x22,23	C 46 T-BF41 Multi Purpose	multi purpose	25
66252918924	41	125x1,0x22,23	C 60 T-BF41 Multi Purpose	multi purpose	25
66252828952	41	125x1,6x22,23	C 46 T-BF41 Multi Purpose	multi purpose	25
66252926730	41	180x1,6x22,23	C 46 T-BF41 Multi Purpose	multi purpose	25
66252918925	41	230x1,9x22,23	C 46 T-BF41 Multi Purpose	multi purpose	25

NORTON ACCU-POWERED CUTTING AND GRINDING WHEELS

NEW



Cut the cord, not the power !

Norton ACCU cutting-off & grinding wheels have been developed to give minimal resistance when in use and its free cutting feature absorbs less energy from the battery. It also features a special bond and grain which gives improved user comfort and longer wheel life.

Next to specific use on cordless machines, these wheels are very effective on low power machines. They increase working time, comfort and quick cuts. The chance of stopping the machine with these wheels is far less than with harder specifications.

The new Norton ACCU Multi-purpose has an unique and patented design which cuts, grinds and polishes ALL materials i.e. steel, glass, aluminum, concrete, stone, copper, PVC, wood or stainless steel. With Norton 1-2-3 no wheel changes are needed when working with different applications and materials.

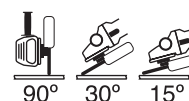


NORTON ACCU CUTTING-OFF WHEELS SHAPE 41 FOR BATTERY POWERED AND LOW POWER ANGLE GRINDERS

SAP	Shape	Size	Specification	Application	Box/pack	Overbox
66252843020	41	115x1,0x22,23	A 60 R-BF41 EXPERT	steel-inox	5	20
66252843019	41	125x1,0x22,23	A 60 R-BF41 EXPERT	steel-inox	5	20



NORTON ACCU MULTI-PURPOSE GRINDING & CUTTING-OFF WHEELS SHAPE 27 FOR BATTERY POWERED AND LOW POWER ANGLE GRINDERS



SAP	Shape	Size	Specification	Application	Box/pack	Overbox
66252843018	27	115x2,2x22,23	C 46 P-BF27 EXPERT	multi-purpose	2	20
66252842832	27	125x2,2x22,23	C 46 P-BF27 EXPERT	multi-purpose	2	20



NORTON 1-2-3

The all-in-one solution

- 1 Cutting
- 2 Grinding
- 3 Polishing



Cutting, light grinding and polishing, all with one single product? The new Norton 1-2-3 makes it possible! No more time loss due to machine or product changing. The Norton 1-2-3 has an extreme long wheel life compared to conventional abrasive products and provides an excellent and uniform polishing result. Maximum safety is guaranteed due to 3 layered strong reinforcements and the Norton 1-2-3 generates low vibration which results in comfortable working. The Norton 1-2-3 is free of iron, sulphur and chlorine and due to that suitable to use on all kind of metal and stainless steel applications.

NORTON 1-2-3 CUTTING-GRINDING-POLISHING WHEELS FOR ANGLE GRINDERS

SAP	Shape	Size	Specification	Application	Box
66252829704	27	115x2,2x22,23	1-2-3 A46S-BF27	steel-inox	25
66252921592	27	125x2,2x22,23	1-2-3 A46S-BF27	steel-inox	25

NORTON OCTOPUS

The invisible wheel

With the Octopus, Norton introduces an unrivalled and unique line of multi purpose products for grinding and polishing. The conic shape “29” covers a large grinding area and guarantees quick and comfortable working. The 3 slots in the wheel make your workpiece visible while you work. Norton Octopus wheels are available in grit size 36 for more material removal and grit size 60 for a perfect polishing result. Octopus wheels can be used without a backing pad and are suitable for steel and stainless steel applications.



NORTON OCTOPUS WHEELS SHAPE 29 FOR ANGLE GRINDERS

SAP	Shape	Size	Specification	Application	Box
66252829991	29	115x4,0x22,23	Octopus A36T-BF29	steel-inox	20
66252829992	29	115x4,0x22,23	Octopus A60T-BF29	steel-inox	20
66252829993	29	125x4,0x22,23	Octopus A36T-BF29	steel-inox	20
66252829994	29	125x4,0x22,23	Octopus A60T-BF29	steel-inox	20

The CLIPPER Solutions



Machines

Wall Chaser



Tile Saws



Masonry Saws



Floor Saws



Core Bits and Drill Rigs



Dust Extractors



Power Floats



Grinding Machines



CLIPPER MACHINES

WALL
CHASER



SC181 p.82

TILE
SAWS



TT180 BM p.84



TT200 EM p.85



TT250 G p.86



TR201 E p.87



TR230 GS p.88



TR231 GL p.89

MASONRY
SAWS



CGW p.94



CM351 p.95



CM41 p.96



CHW & CHW-T p.97



JCW p.98



CM401 p.99

FLOOR
SAWS



C51 p.111



C71 p.112



CS451 p.113



CS1 p.114



CS501 p.115



CSB1 p.116-117

CORE
DRILLING



CDR 132 p.128



CDR 162 p.128



CDR 82V p.129



D160 p.129



NBM 201 p.130



NBM 131, DK17 & Talpa T1 p.131

DUST
EXTRACTORS



CV402 p.146



CV324 p.146

POWER
FLOATS



CT601 p.148



CT901 p.149



MTA36 p.150



CT1201 p.151

GRINDING
MACHINES



CG125 p.154



CG25 S p.154

& SPECIAL APPLICATIONS



TR250H p.90



TR250H DF p.91



CMR351 p.100



CST Modulo p.101



CM501 p.102



ISC & ISM p.103



Jumbo 651 p.104



Jumbo 900 & 1000 p.105



CK31 p.118



CK61 p.119



C99 E 75,3 p.120



CS 7,5 E 800 p.121



CDR 252 p.132



CDR 352 p.132



CDR 402 p.132



NBM 351 p.134

NBM 251 Weka D42 & D52,
Milwaukee 4004-4 p.135

ROBO 3004 & 3504 p.138





WALL CHASER

SC181

1,8kW
Ø 180
6,5kg
Electric
230V 1~

NEW



The CLIPPER SC181 chaser is a twin bladed unit, powered by a 1,8kW motor, capable of cutting a chase of 60mm deep and 45mm wide in a single pass.



Parallel handgrip



Transport box and tools



Rear rollers
for better sliding



Horizontal cutting



Vertical cutting

FEATURES

Parallel handgrip

Space-saving frontal wheels

Special additional vibration-less handgrip

Robust frame

BENEFITS

Clearly improves the manoeuvrability and the control of the machine during work

Enables cuts closer to the corner

Cushions vibrations produced while cutting

Strong reliability of the machine

MODEL	SC181
Item No	701846 46041
EAN 13 Code	5450248 537847
TECHNICAL DATA	
2 diamond blades included	Ø 180mm
Supply Voltage	230V
Power kW	1,8kW
Fuse / Generator	16A / 3kVA
Max. blade x bore	Ø 180 x 30mm
Cutting width	5 to 45mm by 5mm
Cutting depth	30 - 40 - 50 - 60mm
Tool speed RPM	4900 min ⁻¹
Hand Arm Vibrations	4,1m/s ²
Sound power / pressure level	110 dB(A) / 97 dB(A)
Dimensions (LxWxH)	320 x 340 x 300mm
Box size (LxWxH)	347 x 355 x 295mm
Weight	6,5kg



Accessories	Item No	EAN 13 Code
1 - CV402 dust extractor	3104 36601	5450248 559191
2 - Euro ZML blade Ø180mm	701846 25564	5450248 346364



The CLIPPER Solutions



TILES SAWS

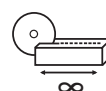




TILE SAWS

TT180 BM

550W
Ø 180mm



11kg
230V 1~



A small and lightweight table top tile saw easily transportable with its protecting case.



Easy transportation and storage



Removable plastic water tray



Light and compact



Suitcase



Machine delivered with a Clipper CLASSIC CERAM Ø180mm diamond blade

FEATURES

Delivered in a strong plastic suitcase

Removable plastic water tray

Tilting table

Light weight

BENEFITS

Machine protected for easy transportation and storage

Easy cleaning and water filling

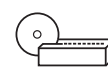
Perfect for mitre cut from 0° to 45°

Easy to move and to handle

MODEL	TT180 BM
Item No	701846 25699
EAN 13 Code	5450248 347354
TECHNICAL DATA	
1 diamond blade included	Ø 180mm CLASSIC CERAM
Supply Voltage	230V 1~
Power W	550W (0,75)
Fuse/Generator	16A / 2 kVA
Max. blade x bore	Ø 180 x 25,4mm
Tilting table	0 to 45°
Max. cutting depth at 90° / at 45°	34mm / 24mm
Max. cutting length	∞
Table size	395 x 385mm
Tool speed RPM	2950 min ⁻¹
Hand Arm Vibrations	< 2,5 m/s ²
Sound power / pressure level	80 dB (A) / 72 dB (A)
Dimensions (LxWxH)	440 x 390 x 230mm
Packaging size	480 x 460 x 240mm
Weight	11kg

TT200 EM

800W
Ø 200mm



∞

16kg

230V 1~



A professional table-top tile saw with a powerful 800W motor. Its unique plastic frame serves as an embedded water tank.



Transport handle



Tilting table
(0° to 45°)



Fast and precise locking
cutting guide



Suitcase : easy
transportation and storage



Machine delivered with a
Clipper CLASSIC CERAM
Ø200mm diamond blade

FEATURES	BENEFITS
800W motor	Powerful and professional machine
Delivered in a strong plastic suitcase	Machine protected for easy transportation and storage
Tilting table	Perfect for mitre cut from 0° to 45°
Fast and precise locking cutting guide	Quick set up and accurate cutting

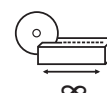
MODEL	TT200 EM
Item No	701846 25701
EAN 13 Code	5450248 347361
TECHNICAL DATA	
1 diamond blade included	Ø 200mm CLASSIC CERAM
Supply Voltage	230V 1~
Power W	800W (1,1)
Fuse/Generator	16A / 2 kVA
Max. blade x bore	Ø 200 x 25,4mm
Tilting table	0 to 45°
Max. cutting depth at 90° / at 45°	40mm / 20mm
Max. cutting length	∞
Table size	460 x 360mm
Tool speed RPM	2950 min ⁻¹
Hand Arm Vibrations	< 2,5 m/s ²
Sound power / pressure level	80 dB (A) / 72 dB (A)
Dimensions (LxWxH)	510 x 400 x 230mm
Packaging size	560 x 500 x 270mm
Weight	16kg



TILE SAWS

TT250 G

1000W
Ø 250mm



26kg
230V 1~



A powerful professional table top tile saw with a unique disk guard support avoiding interference with products.



Tilting table
(0° to 45°)



Removable water tank



Folding stand
(option)



Packaging



Machine delivered with a
Clipper CLASSIC CERAM
Ø250mm diamond blade

FEATURES

1000 W motor
Tilting table
Removable water tank
Stainless steel table

BENEFITS

Powerful and professional machine
Perfect for mitre cut from 0° to 45°
Easy blade change and water drain
Robust and long lasting

MODEL	TT250 G
Item No	701846 25705
EAN 13 Code	5450248 347385
TECHNICAL DATA	
1 diamond blade included	Ø 250mm CLASSIC CERAM
Supply Voltage	230V 1~
Power W	1000W (1,4)
Fuse/Generator	16A / 3 kVA
Max. blade x bore	Ø 250 x 25,4mm
Tilting table	0 to 45°
Max. cutting depth at 90° / at 45°	55mm / 35mm
Max. cutting length	∞
Table size	560 x 500mm
Tool speed RPM	2950 min ⁻¹
Hand Arm Vibrations	< 2,5 m/s ²
Sound power / pressure level	79 dB (A) / 71 dB (A)
Dimensions (LxWxH)	620 x 600 x 355mm
Packaging size	690 x 610 x 420mm
Weight	26kg

TR201 E



900W
 Ø 200mm

 650mm
 35kg
 230V 1~

A 650mm cutting length professional tile saw including folding legs and powerful 900W motor.



Cutting guide



Removable water tray



Transport wheels

Tilting head
(0 to 45°)Machine delivered with a
Clipper CLASSIC CERAM
Ø200mm diamond blade

FEATURES	BENEFITS
900W motor	Powerfull and professional machine
650mm cutting length	Ideal for long tiles and diagonal cuts of 40x40cm tiles
Folding legs & transport wheels	Easy transportation and storage
Tilting head	Perfect for mitre cut from 0° to 45°

MODEL	TR201 E
Item No	701846 41371
EAN 13 Code	5450248 470601
TECHNICAL DATA	
1 diamond blade included	Ø 200mm CLASSIC CERAM
Supply Voltage / Power W	230V 1~ / 900W
Fuse/Generator	16A / 3 kVA
Max. blade x bore	Ø 200 x 25,4mm
Tilting head	0 to 45°
Max. cutting depth at 90° / at 45°	35mm / 25mm
Max. cutting length	650mm
Table size	810 x 470mm
Tool speed RPM	2950 min ⁻¹
Hand Arm Vibrations	< 2,5 m/s ²
Sound power / pressure level	80 dB (A) / 72 dB (A)
Dimensions (LxWxH)	930 x 470 x 1200mm
Dimensions (LxWxH) (folded legs)	930 x 470 x 400mm
Packaging size	1020 x 490 x 465mm
Weight	35kg





RAIL TILE SAWS

TR230 GS

1100W
Ø 230mm
860mm
61kg
230V 1~



TR230GS is a professional tile saws with powerful motor (1,1kW) and cutting length adapted to large tiles (860mm).



Cutting guide with angular setting



Easily removable cutting table



Foldable handles



Tilting head (0 to 45°)

FEATURES

Tilting head
Easy removal of cutting table
Foldable handles
Cutting guide with angular setting

BENEFITS

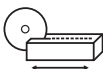
Perfect for mitre cut from 0° to 45°
Quick and easy cleaning
Easy transportation
Precise angle cuts

MODEL	TR230 GS
Item No	701846 29664
EAN 13 Code	5450248 405511
TECHNICAL DATA	
1 diamond blade included	Ø 230mm
Supply Voltage / Power W	230V 1~ / 1,1kW
Fuse/Generator	16A / 3 kVA
Max. blade x bore	Ø 230 x 25,4mm
Tilting head	0 to 45°
Max. cutting depth at 90° / at 45°	45mm / 35mm
Max. cutting length	860mm
Table size	860 x 565mm
Tool speed RPM	2950 min ⁻¹
Hand Arm Vibrations	< 2,5 m/s ²
Sound power / pressure level	71 dB (A) / 79 dB (A)
Dimensions (LxWxH)	1560 x 600 x 1175mm
Weight	61kg

SPECIAL LONG TILES

TR231 GL



1100W
 Ø 230mm

 1200mm
 72kg
 230V 1~

TR231GL is a professional tile saws with powerful motor (1,1kW) and cutting length adapted to very large tiles (1200mm).

Its reinforced frame and cutting head rail ensure a very precise cut. The rubber-covered table and the additional fixing clamps prevent vibrations to provide the best cutting quality.



New leg stability system



Angular cutting guide / Rubber-covered table



Easily removable cutting table



Adjustable clamps for fixing the tiles



Machine delivered with a Clipper SUPER GRES XT Ø230x25,4mm diamond blade

FEATURES	BENEFITS
Tilting head with long handle	Ergonomic operation and perfect for mitre cut from 0° to 45°
Easy removal of cutting table	Quick and easy cleaning
Foldable handles and transport wheels	Easy transportation
2 cutting guides : lateral and angular	Accurate tiles positioning

MODEL	TR231 GL
Item No	701846 41991
EAN 13 Code	5450248 495291
TECHNICAL DATA	
1 diamond blade included	Ø 230mm SUPER GRES XT
Supply Voltage / Power W	230V 1~ / 1,1kW
Fuse/Generator	16A / 3 kVA
Max. blade x bore	Ø 230 x 25,4mm
Tilting head	0 to 45°
Max. cutting depth at 90° / at 45°	45mm / 35mm
Max. cutting length	1200mm
Table size	1200 x 565mm
Tool speed RPM	2950 min ⁻¹
Hand Arm Vibrations	< 2,5 m/s ²
Sound power / pressure level	71 dB (A) / 79 dB (A)
Dimensions (LxWxH)	1860 x 600 x 1175mm
Weight	72kg



RAIL TILE SAWS

TR250 H

1300W
Ø 250mm
1000mm
66kg
230V 1~



The new Clipper TR250 H is a robust and high quality machine completing perfectly our tile saws product range. Its maximum cutting length reaches 1000mm.



Plunging cutting head



Transport wheels



Cutting guide included



Accessories



Machine delivered with a Clipper CLASSIC CERAM Ø250mm diamond blade

FEATURES

1300W motor
650mm cutting length
Folding legs & transport wheels
Tilting head

BENEFITS

Powerfull and professional machine
Ideal for long tiles and diagonal cuts of 40x40cm tiles
Easy transportation and storage
Perfect for mitre cut from 0° to 45°

MODEL	TR250 H
Item No	701846 29084
EAN 13 Code	5450248 398899
TECHNICAL DATA	
1 diamond blade included	Ø 250mm CLASSIC CERAM
Supply Voltage / Power W	230V 1~ / 1300W
Fuse/Generator	16A / 3 kVA
Max. blade x bore	Ø 250 x 25,4mm
Tilting head	0 - 45°
Max. cutting depth at 90° / at 45°	60mm / 30mm
Max. cutting length	1000mm
Table size	1110 x 490mm
Tool speed RPM	2800 min ⁻¹
Hand Arm Vibrations	< 2,5 m/s ²
Sound power / pressure level	87 dB (A) / 73 dB (A)
Dimensions (LxWxH)	1400 x 670 x 1460mm
Dimensions (LxWxH) (folded legs)	1400 x 670 x 690mm
Packaging size	1420 x 680 x 530mm
Weight	66kg

TR250 H DF *Phenomen*

1300W
Ø 250mm

900mm
68kg
230V 1~



The new Clipper TR250 H DF is the first dry-cutting and dust-free tile saw ever.

It saves the tilers the time of drying the tiles before fixing.

It is environment-friendly : no water is required at all, and no dust is released.



Patent pending blade guard



Dust extraction unit CV402 (see page 146)



Easy transportation



Machine delivered with a Clipper SUPER GRES XT Ø250mm diamond blade

FEATURES	BENEFITS
Dry cutting	Time saving through immediate fixing of tile, without need of drying it
Cutting guide	Very accurate cutting
Specially designed bladeguard and cutting platform (patent pending)	To collect and eliminate dust
Automatic start for dust extraction unit	Ensures no dust is released at any time

MODELS	TR250 H DF + CV402	TR250 H DF
Item No	701846 30630	701846 40816
EAN 13 Code	5450248 460299	5450248 463429
TECHNICAL DATA		
1 diamond blade included	Ø 250mm SUPER GRES XT	Ø 250mm SUPER GRES XT
Supply Voltage / Power W	230V 1~ / 1,3kW	230V 1~ / 1,3kW
Fuse/Generator	16A / 3 kVA	16A / 3 kVA
Max. blade x bore	Ø 250 x 25,4mm	Ø 250 x 25,4mm
Max. cutting depth	22mm	22mm
Max. cutting length	900mm	900mm
Table size	490 x 1110mm	490 x 1110mm
Tool speed RPM	2800 min ⁻¹	2800 min ⁻¹
Hand Arm Vibrations	< 2,5 m/s ²	< 2,5 m/s ²
Sound power / pressure level	87 dB (A) / 73 dB (A)	87 dB (A) / 73 dB (A)
Dimensions (LxWxH)	1400 x 670 x 1460mm	1400 x 670 x 1460mm
Dimensions (LxWxH) (folded legs)	1400 x 670 x 690mm	1400 x 670 x 690mm
Packaging size	1420 x 680 x 530mm	1420 x 680 x 530mm
Weight	68kg	68kg



TILE SAWS

ACCESSORIES



TT250 G		Item No	EAN 13 Code
1 -	Folding stand	3100 04597	5450248 094203
2 -	Water tray	3100 04596	5450248 094197



ALL "TR" MACHINES		Item No	EAN 13 Code
3 -	Laser kit for TR200, TR201, TR230, TR250	3100 47996	5450248 344704



TR250 H		Item No	EAN 13 Code
4 -	Rubber wheels (set of 2)	3103 69028 *	5450248 439714
5 -	Water pump	3100 04389	5450248 078784

* Availability on request.





MASONRY SAWS





MASONRY SAWS

CGW

2,2kW
Ø 350mm
500mm
66kg
230V 1~



The lightest masonry saw of the range has a cutting head allowing the cut of 500mm paving slabs.

Machine delivered without diamond blade.



Easy blade change



Splash guard



Compensation spring



Variable guide-a-cut



We recommend the use of Clipper ALFA diamond blade

FEATURES

Variable guide-a-cut
Cutting head locking device
Blade guard with removable cover
Electrical water pump protected from slurries

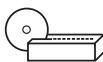
BENEFITS

Allows cutting at any angle without any additional tool
Easy straight-through cutting
Operator protection and easy access for blade change
Reduced maintenance

MODEL	CGW
Item No	701846 29851
EAN 13 Code	5450248 407393
TECHNICAL DATA	
Supply Voltage	230V 1~
Power kW	2,2kW (3 Hp)
Fuse/Generator	16A / 6 kVA
Max. blade x bore	Ø 350 x 25,4mm
Max. cutting depth	110mm
Max. cutting length	500mm
Max. material height	200mm
Table size	440 x 340mm
Tool speed RPM	2800 min ⁻¹
Hand Arm Vibrations	< 2,5 m/s ²
Sound power / pressure level	92 dB (A) / 80 dB (A)
Dimensions (LxWxH)	980 x 600 x 550mm
Dimensions (LxWxH) (folded legs)	980 x 600 x 1250mm
Weight	66kg



CM351 *Uno*

2,2kW
 Ø 350mm

 700mm
 69kg
 230V 1~

The new CM351 is a light-weight masonry saw with extra-wide conveyor cart and 45° tilting head for precise bevel cutting.



Tilting head and 600mm wide conveyor cart



Removable water tray



Conveyor cart stop system



Easy transport



Machine delivered with a Clipper ALFA Ø350mm diamond blade

FEATURES	BENEFITS
45° tilting head	Allows 45° bevel cut, with embedded slot in the conveyor cart
Adjustable depth stop on tilting head	Step cutting and full-depth cutting are possible in both 90° and 45° head position
Extra large 600x600mm conveyor cart with anti-slipping rubber surface and tilted wheels	Improved cart stability. Wide materials are more stable and are easier to cut.
Removable robust plastic water tray	Easier cleaning and handling

MODEL	CM351
Item No	701846 30312
EAN 13 Code	5450248 509394
TECHNICAL DATA	
1 diamond blade included	Ø 350mm ALFA
Supply Voltage / Power kW	230V 1~ / 2,2kW
Fuse/Generator	16A / 6 kVA
Max. blade x bore	Ø 350 x 25,4mm
Tilting head	0 or 45°
Max. cutting depth	110mm (150mm when reversing the material)
Max. cutting length	700mm
Max. material height	150mm
Table size	600 x 600mm
Tool speed RPM	2800 min ⁻¹
Hand Arm Vibrations	2,2 m/s ²
Sound power / pressure level	87 dB (A) / 73 dB (A)
Dimensions (LxWxH)	1146 x 815 x 1270mm
Dimensions (LxWxH) (folded legs)	1146 x 725 x 639mm
Weight	69kg





MASONRY SAWS

CM41 *Compact*

2,2kW
Ø 400mm
600mm
85kg
230V 1~

IMPROVED !



The new CLIPPER CM41 is a light-weight, portable masonry saw designed for best user's satisfaction.

Now with a more comfortable working position and many features new features make the daily use of the CM41 even easier !



New adjustable cutting-depth handle

More comfortable handle shape

Larger splash guard

Anti-pivoting system on conveyor cart

Conveyor cart locking system

FEATURES

Folding legs & transport wheels
Tilting table within the conveyor cart
Conveyor cart including friction resistant tilted wheels
High accuracy standard cutting guide with per degree angular setting

BENEFITS

Easy transportation and storage
Mitre cut at 45°
Anti-pivoting and locking system : better stability and durability
Quick, precise and easy cut without additional accessory

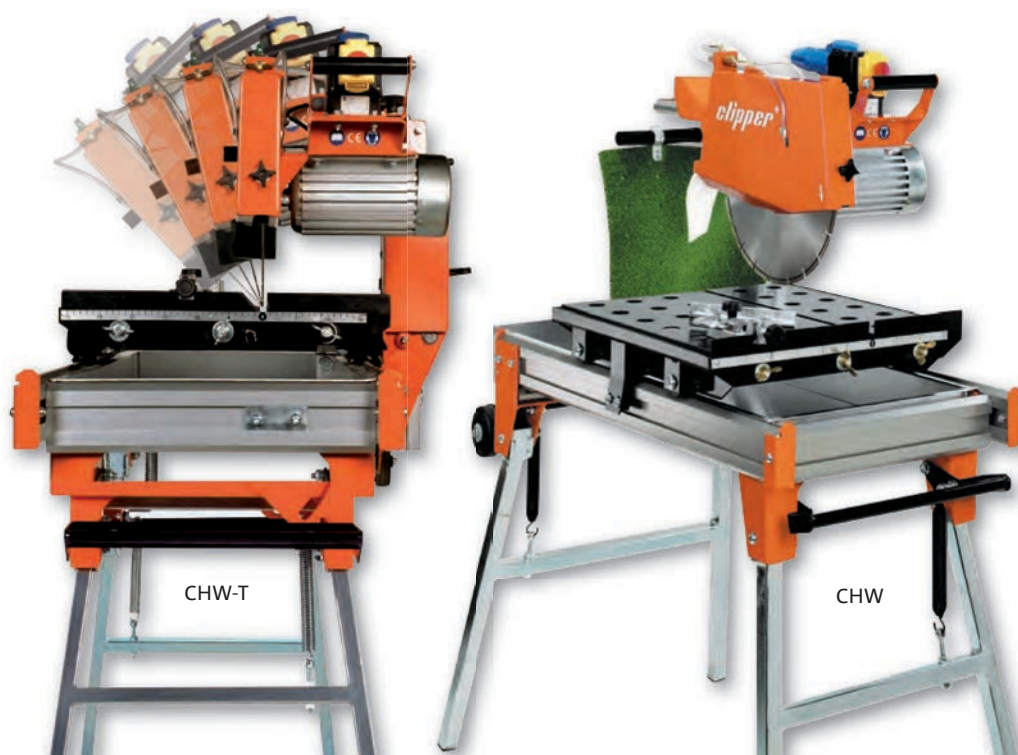
MODEL	CM41 30-1-230V
Item No	701846 28167
EAN 13 Code	5450248 394914
TECHNICAL DATA	
1 diamond blade included	Ø 350mm ALFA
Supply Voltage	230V 1~
Power kW	2,2kW (3 Hp)
Fuse/Generator	16A / 6 kVA
Max. blade x bore	Ø 400 x 25,4mm
Tilting cart	0 or 45°
Max. cutting depth at 90°/45°	135mm / 94mm
Max. cutting length	600mm
Max. material height	200mm
Table size	440 x 340mm
Tool speed RPM	2800 min ⁻¹
Hand Arm Vibrations	< 2,5 m/s ²
Sound power / pressure level	92 dB (A) / 80 dB (A)
Dimensions (LxWxH)	1170 x 600 x 1400mm
Dimensions (LxWxH) (folded legs)	1170 x 600 x 740mm
Weight	85kg



CHW & CHW-T Modulo

2,2kW
 Ø 350mm

 600mm
 81 > 95kg
 230V 1~



The CHW Modulo is made using extruded aluminium profiles. The “T” version has a high precision tilting head.

Machines delivered without diamond blade.



Side extension
(optional accessory)



Conveyor cart locking
and non-tilting devices



Tilting head
(CHW-T 600)



Easy transport



We recommend the use
of Clipper GRANITO
diamond blade

FEATURES	BENEFITS
Folding legs & transport wheels	Easy transportation and storage
Built with extruded aluminium profiles	Extreme rigidity and lifetime, easy maintenance
Removable aluminium water tray	Easy cleaning
Electrical water pump protected from slurries	Long life and efficiency ; dust free working conditions

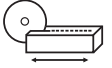
MODELS	CHW 600 1.30.1	CHW-T 600 1.30.1
Item No	701846 14040	701846 10057
EAN 13 Code	5450248 202202	5450248 141839
TECHNICAL DATA		
Supply Voltage/ Power kW	230V 1~ / 2,2kW (3 Hp)	230V 1~ / 2,2kW (3 Hp)
Fuse/Generator	16A / 6 kVA	16A / 6 kVA
Max. blade x bore	Ø 350 x 25,4mm	Ø 350 x 25,4mm
Tilting head	-	0° to 45°
Max. cutting depth at 90° / 45°	110mm / NA	110mm / 85mm
Max. cutting length	600mm	600mm
Max. material height	240mm	240mm
Table size	500 x 600mm	500 x 600mm
Tool speed RPM	2730 min ⁻¹	2730 min ⁻¹
Hand Arm Vibrations	< 2,5 m/s ²	< 2,5 m/s ²
Sound power / pressure level	92 dB (A) / 80 dB (A)	92 dB (A) / 80 dB (A)
Dimensions (LxWxH)	1195 x 705 x 1350mm	1195 x 705 x 1350mm
Dimensions (LxWxH) (folded legs)	1195 x 705 x 760mm	1195 x 705 x 760mm
Weight	81kg	95kg





MASONRY SAWS

JCW

2,2kW
 Ø 400mm

 600mm
 104kg
 230V 1~



Belt-driven machine for precision cutting even for large materials.

Machine delivered without diamond blade.



Transport wheels



Blade guard
always horizontal



Cutting guide



Cutting guide 45°
(optional accessory)



We recommend the use
of Clipper ALFA
diamond blade

FEATURES

Cutting length of 600mm

Blade guard always horizontal

Mechanical water pump

Transport wheels and removable legs

BENEFITS

Precision for cutting large materials

Protection and safety

Lifespan and efficiency

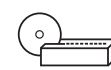
Easy transport and storage

MODEL	JCW 600 1.30.1 230V 1~
Item No	701846 30306
EAN 13 Code	5450248 414131
TECHNICAL DATA	
Supply Voltage	230V 1~
Fuse/Generator	16A / 6 kVA
Power kW	2,2kW (3 Hp)
Max. blade x bore	Ø 400 x 25,4mm
Max. cutting depth	150mm
Max. cutting length	600mm
Max. material height	250mm
Table size	400 x 490mm
Tool speed RPM	2700 min ⁻¹
Hand Arm Vibrations	< 2,5 m/s ²
Sound power / pressure level	89 dB (A) / 78 dB (A)
Dimensions (LxWxH)	1280 x 590 x 1460mm
Dimensions (LxWxH) (folded legs)	1280 x 590 x 880mm
Weight	104kg

CM401 Modulo *Junior*

2,2 > 4,8kW

Ø 400mm



600mm

113 >
118kg230V 1~
400V 3~
Petrol

CM401 electric

The CM401 uses an aluminium frame, very rigid and absolutely waterproof. The pivoting legs ensure complete site portability. The “stay level” blade guard and heavy duty conveyor cart provide easy cutting.

Machines delivered without diamond blade.



Aluminium profile



Aluminium water tray



Mechanical water pump



Easy transport



CM401 petrol

FEATURES	BENEFITS
500mm or 600mm cutting length	Perfect for large materials
Folding legs & transport wheels	Easy transportation and storage
Removable aluminium water tray	Easy cleaning
Built with extruded aluminium profiles	Extreme rigidity and lifetime

MODELS	CM401 600 1.30.1	CM401 600 1.40.3	CM401 600 1.60.P
Item No	701846 26994	701846 27004 *	701846 27017
EAN 13 Code	5450248 371847	5450248 371854	5450248 371755

TECHNICAL DATA			
Power Source/Motor Type	Electric	Electric	Petrol / HONDA GX200
Supply Voltage/Power kW (Hp)	230V 1~/ 2,2kW (3Hp)	400V 3~/ 3kW (4Hp)	4,8kW (6,5Hp)
Fuse/Generator	16A / 6 kVA	16A / 8 kVA	-
Max. blade x bore	Ø 400 x 25,4mm	Ø 400 x 25,4mm	Ø 400 x 25,4mm
Max. cutting depth	150mm	150mm	150mm
Max. cutting length	600mm	600mm	600mm
Max. material height	280mm	280mm	280mm
Table size	500 x 600mm	500 x 600mm	500 x 600mm
Tool speed RPM	2 700 min ⁻¹	2 000 min ⁻¹	2 650 min ⁻¹
Hand Arm Vibrations	< 2,5 m/s ²	< 2,5 m/s ²	< 2,5 m/s ²
Sound power / pressure level	94 dB (A) / 81 dB (A)	94 dB (A) / 81 dB (A)	105 dB (A) / 93 dB (A)
Length	1380mm	1380mm	1380mm
Width	660mm	660mm	660mm
Height/Height folded legs	1510mm / 920mm	1510mm / 920mm	1585mm / 995mm
Weight	113kg	115kg	118kg

* Availability on request.



MASONRY SAWS

CMR351

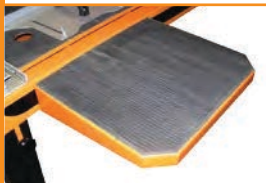
2,2kW
 Ø 350mm

 1150mm
 125kg
 230V 1~



The new Clipper CMR351 is a simple and robust saw dedicated to stone cutting, featuring both tilting rail and head.

Machine delivered without diamond blade.



Built-in side extension



Retractable handles



Lateral guide-a-cut



Three handles



Tilting head and rail
(0 to 45°)

FEATURES

Removable feet and retractable handles
 Built-in side extension
 Lateral guide-a-cut
 Tilting head (cutting depth direction)

BENEFITS

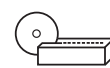
Easy transportation and storage
 Better stability when cutting large materials
 High accuracy cuts with long materials
 Adaptation of cutting depth

MODEL	CMR351
Item No	701846 30429
EAN 13 Code	5450248 440819
TECHNICAL DATA	
Supply Voltage / Power kW	230V 1~ / 2,2kW
Fuse/Generator	16A / 6kVA
Max. blade x bore	Ø 350 x 25,4mm
Tilting head	0 to 45°
Max. cutting depth	100mm
Max. cutting length	1150mm
Max. material height	130mm
Table size	1150 x 515mm
Tool speed RPM	2800 min ⁻¹
Hand Arm Vibrations	< 2,5 m/s ²
Sound power / pressure level	92 dB(A) / 80 dB(A)
Dimensions (LxWxH)	1650 x 700 x 1550mm
Dimensions (LxWxH) (folded legs)	1650 x 700 x 875mm
Weight	125kg



CST Modulo

2,2kW
Ø 350mm



850 >
1000mm

127 >
134kg

230V 1~

Especially dedicated to the stone cutting, the CLIPPER CST Modulo range of masonry saws is among the most robust machines.



CST Modulo 85



CST Modulo 100

Machines delivered without diamond blade.



Easy to open table
in two parts



Swivel mounted
cutting head



Adjustable angle of cut
0°-45°



Side extension roller



Side extension flat

FEATURES

Folding legs & transport wheels
Aluminium water tray
Built with extruded aluminium profiles
High accuracy standard cutting guide with per degree angular setting

BENEFITS

Easy transportation and storage
Resistant and easy cleaning
Extreme rigidity and lifetime
Quick and easy cut without additional accessory

MODELS	CST Modulo 85	CST Modulo 100
Item No	701846 20266	701846 20024
EAN 13 Code	5450248 227335	5450248 226970
TECHNICAL DATA		
Supply Voltage / Power kW	230V 1~ / 2,2kW	230V 1~ / 2,2kW
Fuse/Generator	16A / 5 kVA	16A / 5 kVA
Max. blade x bore	Ø 350 x 25,4mm	Ø 350 x 25,4mm
Tilting head	0 to 45°	0 to 45°
Max. cutting depth	110mm	110mm
Max. cutting length	850mm	1000mm
Max. material height	160mm	160mm
Table size	1100 x 660mm	1250 x 660mm
Tool speed RPM	2800 min ⁻¹	2800 min ⁻¹
Hand Arm Vibrations	< 2,5 m/s ²	< 2,5 m/s ²
Sound power / pressure level	87 dB (A) / 73 dB (A)	87 dB (A) / 73 dB (A)
Dimensions (LxWxH)	1130 x 660 x 1485mm	1480 x 660 x 1485mm
Dimensions (LxWxH) (folded legs)	1130 x 660 x 905mm	1480 x 660 x 905mm
Weight	127kg	134kg



MASONRY SAWS

CM501 *Major*

2,2 > 4,8kW

Ø 350 >
600mm



500mm

163 >
168kg

230V 1~
400V 3~
Petrol



The new CLIPPER CM501 is a highly performing and robust masonry saw with a modern design.

Machine delivered without diamond blade.



Friction resistant
tilted wheels



Anti-slipping surface



Easy access to water pump



Easy transportation
(optional accessory)



Cutting guide

FEATURES

Conveyor cart with anti-slipping surface
Easy access to water pump
Double lifting rails
Blade adjustment with crank

BENEFITS

Accurate and stable cut
Easy maintenance
Easy and safe transport with forklift
Easy and accurate blade depth setting

MODELS	CM501 3.55.3	CM501 3.55.3 D.V.	CM501 3.60.P	CM501 5.55.3
Item No	701846 27018	701846 28233	701846 27020	701846 28232 *
EAN 13 Code	5450248 371762	5450248 392101	5450248 371779	5450248 392095

TECHNICAL DATA

Power source/motor type	Electric	Electric	Petrol/HONDA GX200	Electric
Supply voltage/Power kW (HP)	400V / 4kW (5,5 HP)	230-400V~3 / 4kW (5,5 HP)	4,8kW (6,5Hp)	400V / 4kW (5,5 HP)
Fuse/Generator	16A / 10kVA	16A / 10kVA	-	16A / 10kVA
Max. blade x bore	Ø 500x25,4mm	Ø 500x25,4mm	Ø 500 x 25,4mm	Ø 600x25,4mm
Max. cutting depth	195mm	195mm	195mm	245mm
Max. cutting length	500mm	500mm	500mm	500mm
Max. material height	355mm	355mm	355mm	355mm
Table size	580 x 420mm	580 x 420mm	580 x 420mm	580 x 420mm
Tool speed RPM	1900 min ⁻¹	1900 min ⁻¹	2200 min ⁻¹	1900 min ⁻¹
Hand Arm Vibrations (hourly limit)	< 2,5 m/s ²	< 2,5 m/s ²	< 2,5 m/s ²	< 2,5 m/s ²
Sound power / pressure level	97dB(A) / 81dB(A)	97dB(A) / 81dB(A)	106dB(A) / 93dB(A)	97dB(A) / 81dB(A)
Dimensions (LxWxH)mm	1480x610x1550	1480x610x1550	1480x610x1700	1480x610x1550
Weight	165 kg	163 kg	165kg	168 kg

* Availability on request.

ISM & ISC *Super*



ISM



ISC

Machines delivered without diamond blade and without conveyor cart.

5,5kW
Ø 500mm
500 > 750mm
248 > 280kg
400V 3~



Cutting head is height adjustable.



Foot pedal on the ISM



Tilting conveyor cart (tilts to 45°) (optional accessory)



Flat conveyor cart (optional accessory)



We recommend the use of Clipper ZDH500 diamond blade

FEATURES	BENEFITS
Water distributors connectable to optional water supply system	Wet cutting and dust free working conditions
Extended operating handle	Optimum cutting pressure application
Crank controlled cutting depth adjustment	Easy and accurate setting
Cutting head height setting by foot pedal and handle (ISM)	User's comfort

Conveyor carts, dust collectors and water supply system are available as accessories.

MODELS	ISM 3.75.3	ISC 3.75.3
Item No	701846 13985	701846 13986
EAN 13 Code	5450248 231239	5450248 144861
TECHNICAL DATA		
Supply Voltage	400V 3~	400V 3~
Power kW	5,5kW (7,5Hp)	5,5kW (7,5Hp)
Fuse/Generator	32 amp / 14 kVA	32 amp / 14 kVA
Max. blade x bore	Ø 500 x 25,4mm	Ø 500 x 25,4mm
Max. cutting depth	190mm	190mm
Max. cutting length	500mm	750mm
Flat cart (option)	465 x 615mm	710 x 615mm
Tilting cart (option)	455 x 580mm	710 x 610mm
Tool speed RPM	2062 min ⁻¹	2062 min ⁻¹
Hand Arm Vibrations	< 2,5 m/s ²	< 2,5 m/s ²
Sound power / pressure level	99 dB (A) / 85 dB (A)	99 dB (A) / 85 dB (A)
Dimensions (LxWxH)	1400 x 760 x 1750mm	1650 x 760 x 1750mm
Weight	248kg	280kg

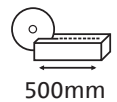


LARGE MASONRY BLOCK SAWS

JUMBO 651

4,8 > 5,5kW

Ø 650mm



500mm

212kg

400V 3~
Petrol



The CLIPPER Jumbo 651 is a powerful and robust saw, designed for continuous operation on the job site or industrial locations.

Machine delivered without diamond blade.



Electric water pump
(Jumbo 651 6.75.3)



2 wheels
with locking device



Heavy-duty frame
with 4 wheels



Easy access to
the blade



We recommend the use
of Norton BS-U
diamond blade

FEATURES

Heavy duty frame with 4 wheels
2 wheels with locking device
Conveyor cart with 4 location rollers
Easy access to blade

BENEFITS

Easy movement on site
Secure machine during cutting operations
Excellent cutting accuracy
Save time for tool change

MODELS	JUMBO 651 6.75.3	JUMBO 651 6-55 P
Item No	701846 14005	701846 10073
EAN 13 Code	5450248 186625	5450248 143680
TECHNICAL DATA		
Power Source/Motor type	Electric	Petrol / HONDA GX200
Supply Voltage/ Power kW (Hp)	400V 3~ / 5,5kW (7,5Hp)	4,8kW (6,5Hp)
Fuse/Generator	32 amp / 14 kVA	-
Max. blade x bore	Ø 650 x 25,4mm	Ø 650 x 25,4mm
Max. cutting depth	265mm	265mm
Max. cutting length	500mm	500mm
Max. material height	280mm	280mm
Table size	600 x 500mm	600 x 500mm
Tool speed RPM	1350 min ⁻¹	1350 min ⁻¹
Hand Arm Vibrations	< 2,5 m/s ²	< 2,5 m/s ²
Sound power / pressure level	100 dB (A) / 86 dB (A)	105 dB (A) / 93 dB (A)
Dimensions (LxWxH)	1700 x 800 x 1480mm	1700 x 800 x 1480mm
Weight	212kg	212kg

JUMBO 900 & 1000



JUMBO 900

The Clipper JUMBO 900 and 1000 are the market's references for large masonry block saws.

IMPROVED !

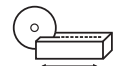
The CLIPPER Jumbo 1000 can **exclusively** be used with 1000mm blade.



JUMBO 1000

7,5 > 9,6kW

Ø 900 > 1000mm



720mm

360 > 370kg

400V 3~ Petrol

Machines delivered without diamond blade.



New front splash guard, can be slid under the table



New forklift brackets



New more visible scale



Centrifugal clutch device



We recommend the use of Norton BS-U diamond blade

FEATURES

Heavy duty frame with 4 wheels
New graduated scale installed on an angle
New curtain in front of the blade
New blade guard

BENEFITS

Easy movement on site
Read more easily the position of the cutting guide
Reduce the splash when using the machine
Easier access to blade

MODELS	JUMBO 900 100-3-400V	JUMBO 1000 100-3-400V	JUMBO 1000 P13 EASY START
Item No	701846 13939	701846 21669	701846 29335
EAN 13 Code	5450248 143260	5450248 312789	5450248 441762
TECHNICAL DATA			
Power Source/Motor Type	Electric	Electric	Petrol / HONDA GX390
Supply Voltage/Power kW (Hp)	400V~3 / 7,5kW (10Hp)	400V~3 / 7,5kW (10Hp)	9,6kW (13Hp)
Fuse/Generator	32 amp / 19 kVA	32 amp / 19 kVA	-
Max. blade x bore	Ø 900 x 60mm	Ø 1000 x 60mm	Ø 1000 x 60mm
Max. cutting depth	370mm	420mm	420mm
Max. cutting length	720mm	720mm	720mm
Max. material height	405mm	405mm	405mm
Table size	720 x 800mm	720 x 800mm	720 x 800mm
Tool speed RPM	928 min ⁻¹	928 min ⁻¹	928 min ⁻¹
Hand Arm Vibrations	< 2,5 m/s ²	< 2,5 m/s ²	< 2,5 m/s ²
Sound power / pressure level	100 dB (A) / 86 dB (A)	100 dB (A) / 86 dB (A)	105 dB (A) / 88 dB (A)
Dimensions (LxWxH)	2000 x 1080 x 1700mm	2000 x 1080 x 1700mm	2000 x 1080 x 1700mm
Weight	360kg	370kg	370kg



MASONRY SAWS

ACCESSORIES



ALL MASONRY SAWS

	Item No	EAN 13 Code
1 - Laser guide (without fixing plate)	3100 47638 *	5450248 373445
2 - Laser guide kit for masonry saw	3100 47995 *	5450248 344698

* Availability on request.



CGW & CM41

	Item No	EAN 13 Code
Side extension	3100 05598 *	5450248 123958

CHW & CHW-T

	Item No	EAN 13 Code
3 - Side extension	3100 07579 *	5450248 226925

* Availability on request.



JCW

	Item No	EAN 13 Code
4 - Cutting guide 45°	3100 04537 *	5450248 088592
Tilting cart 0 to 45°	3100 04560 *	5450248 089896

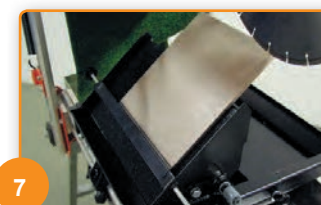
* Availability on request.



CM401

	Item No	EAN 13 Code
5 - Side extension	3100 07579 *	5450248 226925
6 - Cutting guide 45°	3100 07657 *	5450248 221241
7 - Tilting cart 0 to 45°	3100 12201 *	5450248 238973

* Availability on request.



ACCESSORIES



CST MODULO		Item No	EAN 13 Code
1 -	Side extension roller	3100 08263 *	5450248 158448
2 -	Side extension flat	3100 08264 *	5450248 158455
3 -	Lateral guide-a-cut	3100 08265 *	5450248 158462
4 -	Cutting guide 0 to 45°	3100 08268	5450248 158493
5 -	Laserkit	3100 47997 *	5450248 373605

* Availability on request.



ISC & ISM		Item No	EAN 13 Code
6 -	Tilting table 0 to 45° for ISM	3100 04702	5450248 099376
6 -	Tilting table 0 to 45° for ISC	3100 04539 *	5450248 088707
7 -	Flat conveyor cart for ISM	3100 04704 *	5450248 099390
7 -	Flat conveyor cart for ISC	3100 04703 *	5450248 099383
8 -	Water distribution kit	3100 04732	5450248 100829
9 -	Hood	3100 04552 *	5450248 089070
10 -	Dust extraction bag type	3100 04544 *	5450248 088844
	Dust extraction cabinet type	3100 04536 *	5450248 088240

* Availability on request.





MASONRY SAWS

ACCESSORIES



CM501		Item No	EAN 13 Code
1 -	Cutting guide 45 °	3100 04537 *	5450248 088592
2 -	Tilting cart 0 to 45°	3100 04556	5450248 089353
3 -	Side extension	3100 04557 *	5450248 089377
4 -	Transport accessory	3100 04609 *	5450248 095187
5 -	Hood	3100 04580 *	5450248 093312
6 -	Dust extraction bag type	3100 04544 *	5450248 088844
7 -	Electric hourmeter kit	3100 06307 *	5450248 157786

* Availability on request.



JUMBO 651		Item No	EAN 13 Code
8 -	Tilting cart 0 to 45°	3100 05275 *	5450248 118343

* Availability on request.



JUMBO 900 & JUMBO 1000		Item No	EAN 13 Code
9 -	Cutting guide 0 to 45°	3100 04590	5450248 093961



The CLIPPER Solutions



FLOOR SAWS





FLOOR SAWS



C51

6,5 Hp
 Ø 350mm
 76kg
 Petrol

Compact, robust and highly manoeuvrable machines designed for both wet and dry cutting of concrete and asphalt.



Machine delivered without diamond blade.



Removable 20 litre polyurethane water tank



Sealed wheel bearings



Height of handles can be easily adjusted



Ergonomic working condition



We recommend the use of Clipper CLASSIC ASPHALT diamond blade

FEATURES	BENEFITS
Cutting depth adjustment with crank	Quick and easy setting, user's comfort
Adjustable handles height, whatever cutting depth	Ergonomic user's working position
Compact design	Easy storage and transportation
Large diameter rear wheels coated with hard rubber	Robustness and stability

MODEL	C51 P6,5 H
Item No	701846 83534
EAN 13 Code	5450248 141730
TECHNICAL DATA	
Power source	Petrol
Motor type	HONDA GX200
Power kW (Hp)	4,8kW (6,5 Hp)
Max. blade x bore	Ø 350 x 25,4mm
Max. cutting depth	125mm
Water tank capacity (removable)	20 L
Tool speed RPM	2800 min ⁻¹
Starter	Recoil
Raise and lower	Manual
Propelling	Push
Hand Arm Vibrations	6,02 m/s ²
Sound power / pressure level	100 dB (A) / 84 dB (A)
Dimensions (LxWxH)	780 x 460 x 890mm
Weight	76kg





FLOOR SAWS

C71

13 Hp
Ø 400mm
92kg
Petrol



The CLIPPER C71 is a compact and economic floor saw, for wet or dry cutting of asphalt or concrete.

Machine delivered without diamond blade.



Hand wheel and gauge



Adjustable handles



Rear wheels in recess
from the cut



Lifting eye



We recommend the use
of Clipper SUPER ASPHALT EVO
diamond blade

FEATURES

Heavy duty frame
Continuous depth control with hand wheel and gauge
Removable 20 L polyurethane water tank
Adjustable handles

BENEFITS

Robust
Quick, easy and accurate setting
Easy wet cutting in isolated locations
Ergonomic user's working position

MODEL	C71 P13
Item No	701846 23802
EAN 13 Code	5450248 235354
TECHNICAL DATA	
Power source	Petrol
Motor type	HONDA GX390 Cyclonic
Power kW (Hp)	9,6kW (13 Hp)
Max. blade x bore	Ø 400 x 25,4mm
Max. cutting depth	140mm
Water tank capacity (removable)	20 L
Tool speed RPM	2850 min ⁻¹
Starter	Recoil
Raise and lower	Manual
Propelling	Push
Hand Arm Vibrations	7,35 m/s ²
Sound power / pressure level	105 dB (A) / 88 dB (A)
Dimensions (LxWxH)	1190 x 535 x 960mm
Weight	92kg

CS451

7>13 Hp
 Ø 450mm
 112 >
 120kg
 Petrol
 Diesel



LOW VIBRATION

The CS451 is a new generation CLIPPER floor saw designed to combine robustness, functionality and vibration level reduced by 40% for best user's satisfaction.

Machine delivered without diamond blade.



Handlebar equipped with vibration absorbers



Rear cutting guide



Integrated lifting hook



Pulleys with removable hub and Poly V belts



Easy removal of water tank

FEATURES	BENEFITS
Handlebar equipped with vibration absorbers	Improved user's working conditions
Handlebar's height adjustment	Ergonomic user's working position
Optimised weight distribution (positioning of motor and tank)	Outstanding cutting performance
High capacity water tank (25L)	Wet cutting possibility, even far from water supply

MODELS	C5451 P13	C5451 D7
Item No	701846 28433	701846 29089
EAN 13 Code	5450248 397601	5450248 399049
TECHNICAL DATA		
Power source	Petrol	Diesel
Motor type	HONDA GX390 Cyclonic	HATZ 1B30
Power kW (Hp)	9,6kW (13Hp)	5kW (7Hp)
Max. blade x bore	Ø 450 x 25,4mm	Ø 450 x 25,4mm
Max. cutting depth	170mm	170mm
Water tank capacity	25 L	25 L
Tool speed RPM	2573 min ⁻¹	2573 min ⁻¹
Starter	Recoil	Recoil
Raise and lower	Manual	Manual
Propelling	Push	Push
Hand Arm Vibrations	2,8 m/s ²	4,7 m/s ²
Sound power / pressure level	105 dB (A) / 88 dB (A)	110 dB (A) / 91 dB (A)
Dimensions (LxWxH)	1180 x 538 x 1040mm	1180 x 538 x 1040mm
Weight	112kg	120kg



VIDEO LINK



FLOOR SAWS

THE GENUINE CLIPPER CS1

13 > 20 Hp
Ø 500mm
140 > 180kg
Petrol

A robust, powerful machine for all types of repair work on both concrete and asphalt surfaces.



CS1 petrol
13Hp (P13)



CS1 petrol
20Hp (P21)

Machines delivered without diamond blade.



Hand wheel with endless
screw depth control system



Water flow system on
both sides of the blade



Easy access air filter



Control box
(on CS1 P21)



We recommend the use
of Clipper SUPER BETON EVO
diamond blade

FEATURES

Heavy duty jig welded steel frame
Hand wheel with endless screw depth control system
Blade shaft mounted on "greased-for-life" pillow block bearings
Water flow control system on both sides of the blade

BENEFITS

Robust and reliable
Quick, easy and accurate setting
Easy maintenance
Optimised blade performance

MODELS	CS1 P13	CS1 P21
Item No	701846 29389	701846 45535
EAN 13 Code	5450248 414797	5450248 531265
TECHNICAL DATA		
Power source	Petrol	Petrol
Motor type	HONDA GX390 Cycl.	HONDA GX630
Power kW (Hp)	9,6kW (13 Hp)	14,7kW (20 Hp)
Max. blade x bore	Ø 500 x 25,4mm	Ø 500 x 25,4mm
Max. cutting depth	190mm	190mm
Water tank capacity	70 L	(not available)
Tool speed RPM	2600 min ⁻¹	2272 min ⁻¹
Starter	Recoil	Electric
Raise and lower	Manual	Manual
Propelling	Push	Push
Hand Arm Vibrations	4,22 m/s ²	3,9 m/s ²
Sound power/press.level	105dB(A)/89dB(A)	106dB(A)/92dB(A)
Dimensions (LxWxH)	1088 x 580 x 925mm	1088 x 580 x 925mm
Weight	140kg	180kg

LOW VIBRATION CS501

13 > 15 Hp
 Ø 500mm
 192 > 265kg
 Petrol
 Diesel

The CLIPPER CS501 is a heavy duty floor saw designed with anti-vibration system and high capacity water tank. An optional kit allows use of 600mm diameter blades.



Machines delivered without diamond blade.



Special design of blade cover

Ergonomic handles

Easy blade change

We recommend the use of Clipper ZDH 500 diamond blade

FEATURES	BENEFITS
Heavy duty construction integrating vibration aspects	Low vibration level
Ergonomic handles	User's friendly
Rigid front pointer	Helps user to maintain straight and accurate cut
Top quality wheels	Long lasting, smooth and easy cutting

MODELS	CS501 P13	CS501 P15	CS501 D15 ES
Item No	701846 26930	701846 26934	701846 26932
EAN 13 Code	5450248 371397	5450248 371403	5450248 371434

TECHNICAL DATA			
Power source	Petrol	Petrol	Diesel
Motor type	HONDA GX390 Cycl.	HONDA IGX 440	HATZ 1D90
Power kW (Hp)	9,6kW (13 Hp)	11,2kW (15 Hp)	11,2kW (15 Hp)
Max. blade x bore	Ø 500 x 25,4mm	Ø 500 x 25,4mm	Ø 500 x 25,4mm
Max. cutting depth	190mm	190mm	190mm
Water tank capacity	50 L	50 L	50 L
Tool speed RPM	2225 min ⁻¹	2556/2272 min ⁻¹	2225 min ⁻¹
Starter	Recoil	Recoil	Electric
Raise and lower	Manual	Manual	Manual
Propelling	Push	Push	Push
Hand Arm Vibrations	4,04 m/s ²	4,01 m/s ²	4,9 m/s ²
Sound power level	105 dB (A)	105 dB (A)	114 dB (A)
Sound pressure level	89 dB (A)	89 dB (A)	101 dB (A)
Dimensions (LxWxH)	1185 x 600 x 1095mm	1185 x 600 x 1095mm	1185 x 600 x 1095mm
Weight	192kg	192kg	265kg



FLOOR SAWS

CSB1 - Petrol

20 Hp
Ø 600mm
240kg
Petrol



A fully self-propelled heavy duty machine driving a 500mm or 600mm diamond blade.

Machine delivered without diamond blade.



Manual or hydraulic raise and lower of the blade



Rigid front pointer



Water tank (optional accessory)



Control box



We recommend the use of Norton CC XPRESS diamond blade

FEATURES

Heavy duty jig welded steel frame
Multiple engine options
Two forward propulsion options (hand wheel, self-propelled)
Manual or hydraulic raise and lower of the blade

BENEFITS

Robust and reliable
Adapt type of engine to your specific needs
Adapt to your budget
Quick, easy and accurate depth setting

MODEL	CSB1 P21 KIA
Item No	701846 45495
EAN 13 Code	5450248 530794
TECHNICAL DATA	
Power source	Petrol
Motor type	HONDA GX630
Power kW (Hp)	15kW (20 Hp)
Max. blade x bore	Ø 600 x 25,4mm
Max. cutting depth	225mm
Water tank capacity	- (25L with optional accessory)
Tool speed RPM	1775 min ⁻¹
Starter	Electric
Lower	Automatic
Propelling	Manual hydraulic
Hand Arm Vibrations	3,35 m/s ²
Sound power / pressure level	107 dB(A)/89 dB(A)
Dimensions (LxWxH)	1200 x 600 x 1100mm
Weight	240kg

CSB1 - Diesel

13 > 15 Hp
 Ø 500mm
 250 >
 255kg
 Diesel



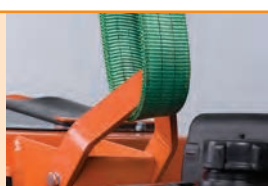
CSB1 diesel
13Hp (D13 HIA)

Heavy duty deep cutting saw, fully self propelled with manual hydraulic raise and lower. Supplied complete with a 25 litres built-in water tank.

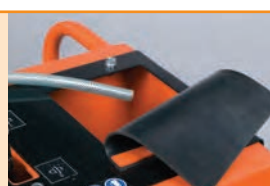
Machines delivered without diamond blade.



Rigid front pointer



Built-in lifting eye



Built-in water tank



Manual or hydraulic raise
and lower of the blade



We recommend the use of
Clipper SUPER ASPHALT EVO
diamond blade

FEATURES	BENEFITS
Built in water tank	Wet cutting autonomy in isolated locations
Quick release blade guard with ¼ turn camlock fasteners	Quick and easy blade change
Built in lifting eye at centre of gravity	Easy loading and transportation
High resistance wheels with sealed heavy duty bearings	Smooth and straight cutting

MODELS	CSB1 D13 HIA	CSB1 D13 HIW
Item No	701846 13925	701846 13923
EAN 13 Code	5450248 142829	5450248 142805
TECHNICAL DATA		
Power source	Diesel	Diesel
Motor type	HATZ 1D81 Z	HATZ 1D81
Power kW (Hp)	9,5kW (13 Hp)	9,5kW (13 Hp)
Max. blade x bore	Ø 500 x 25,4mm	Ø 500 x 25,4mm
Max. cutting depth	190mm	190mm
Water tank capacity	25 L	25 L
Tool speed RPM	1950 min ⁻¹	1950 min ⁻¹
Starter	Crank	Manual
Raise and lower	Hydraulic	Manual hydraulic
Propelling	Automatic	Manual
Hand Arm Vibrations	5,08 m/s ²	5,08 m/s ²
Sound power / pressure level	114 dB(A)/101 dB(A)	114 dB(A)/101 dB(A)
Dimensions (LxWxH)	1200 x 600 x 1040mm	1200 x 600 x 1040mm
Weight	255kg	250kg





FLOOR SAWS

CK31

31 Hp
Ø 700mm
660kg
Diesel



The CLIPPER CK31 is a professional saw for deep cutting. Its high production capacity, compact size and ease of handling make it the ideal machine for all types of concrete and asphalt sawing.

Machine delivered without diamond blade.



Comprehensive control panel and easy reach of operator



Flexible rear pointer



Rigid front pointer



Easy access for blade changing



Ergonomical handles

FEATURES

Powered by 2-cylinder Diesel engine
Simple transmission belts tensioner setting
Left or right side blade and front pointer mounting
Standard configuration including hour meter, flexible rear pointer, ergonomic handles and parking brake

BENEFITS

High production capacity
Easy belts tension setting
Increase machine configurations to adapt to working environment
User friendly

MODEL	CK31 KSA
Item No	701846 21027
EAN 13 Code	5450248 306382
TECHNICAL DATA	
Power source	Diesel
Motor type	DEUTZ 2 cylinders F2L2011
Power kW (Hp)	23kW (31 Hp)
Max. blade x bore	Ø 700 x 25,4mm
Max. cutting depth	280mm
Fuel tank capacity	30 L
Tool speed RPM	1550 min ⁻¹
Starter	Electric
Raise and Lower	Electro-hydraulic
Propelling	Automatic
Hand Arm Vibrations	9,42 m/s ²
Sound power / pressure level	114 dB (A) / 100 dB (A)
Dimensions (LxWxH)	1430 x 820 x 1280mm
Weight	660kg

CK61

61 Hp
 Ø 900 -
 1220mm
 760 -
 800kg
 Diesel



Sturdy construction makes the CK61 the ideal machine for the professional contractor sawing green concrete, cured concrete or asphalt, whilst the compact design ensures ease of handling for all road, motorway or airfield cutting applications.

Machine delivered without diamond blade.



Easy blade change



Rigid front pointer



Ergonomic working position



Ergonomic control board



We recommend the use of WS XPRESS diamond blade

FEATURES	BENEFITS
Powerful 3-cylinder Diesel engine	Huge production capacity
Simple transmission belts tensioner setting	Easy belts tension setting
Left or right side blade and front pointer mounting	Increase machine configurations to adapt to working environment
Standard configuration including hour meter, flexible rear pointer, ergonomical handles and parking brake	User friendly

MODELS	CK61 KSA	CK61 KSA 1220mm
Item No	701846 21029	701846 22346 *
EAN 13 Code	5450248 306405	5450248 319443
TECHNICAL DATA		
Power source	Diesel	Diesel
Motor type	DEUTZ BF3L 2011	DEUTZ BF3L 2011
Power kW (Hp)	45kW (61 Hp)	45kW (61 Hp)
Max. blade x bore	Ø 900 x 25,4mm	Ø 1220 x 25,4mm
Max. cutting depth	360mm	510mm
Fuel tank capacity	30 L	30 L
Tool speed RPM	1180 min ⁻¹	850 min ⁻¹
Starter	Electric	Electric
Raise and Lower	Electro-hydraulic	Electro-hydraulic
Propelling	Automatic	Automatic
Hand Arm Vibrations	9,9 m/s ²	9,9 m/s ²
Sound power / pressure level	114 dB (A) / 100 dB (A)	114 dB (A) / 100 dB (A)
Dimensions (LxWxH)	1430 x 980 x 1280mm	1430 x 980 x 1280mm
Weight	760kg	800kg

* Availability on request.





ELECTRIC FLOOR SAWS

C99 E 75.3

5,5 kW
 Ø 350-450mm
 105kg
 Electric
 400V 3~

The CLIPPER C99 E 75.3 is a robust, low vibration floor saw with ergonomics features and easy maintenance.

The dust-free C99 E.T has an inverted way of rotation to evacuate the dust towards the dust extraction hood fitted in the special blade guard.



C99 E 75.3



C99 E.T 75.3

Machines delivered without diamond blade.



Water hose connector



Grease nipples



Twin blade mounting



Dust connector
(C99 E.T 75.3)



We recommend the use of
 Clipper CLASSIC ASPHALT
 diamond blade

FEATURES

Heavy duty frame
 Continuous depth control with hand wheel and gauge
 Water hose connector
 Adjustable handles height, whatever cutting depth

BENEFITS

Robust, low vibration level
 Quick, easy and accurate setting
 Allows wet cutting
 Ergonomic user's working position

MODELS	C99 E 75.3	C99 E .T 75.3
Item No	701846 13946	701846 21068 *
EAN 13 Code	5450248 170662	5450248 306771
TECHNICAL DATA		
Supply Voltage	400V 3~	400V 3~
Power kW	5,5kW (7,5 Hp)	5,5kW (7,5 Hp)
Fuse/Generator	16A / 14 kVA	16A / 14 kVA
Max. blade x bore	Ø 450 x 25,4mm	Ø 350 x 25,4mm
Max. cutting depth	165mm	165mm
Tool speed RPM	2850 min ⁻¹	2850 min ⁻¹
Starter	Electric	Electric
Raise and lower	Manual	Manual
Propelling	Push	Push
Hand Arm Vibrations	2,96 m/s ²	2,96 m/s ²
Sound power / pressure level	94 dB (A) / 80 dB (A)	94 dB (A) / 80 dB (A)
Dimensions (LxWxH)	1160 x 512 x 990mm	1160 x 512 x 990mm
Weight	105kg	105kg

* Availability on request.

CS 7,5 E

7,5kW
 Ø 800mm
 118kg
 Electric
 400V 3~



The CLIPPER CS7,5 E is a basic machine with manual feed, hand wheel raise and lower mechanism.

Machine delivered without diamond blade.



Water hose connector



Integrated lifting hook



Adjustable handles



Hand wheel depth control system



We recommend the use of WS CLASSIC diamond blade

FEATURES	BENEFITS
Heavy duty frame	Robust, low vibration level
Electrical motor	No gas emission, low noise level, adapted to confined areas
Compact design with easily removable motor	Easy transport
Adjustable handles height, whatever cutting depth	Ergonomic user's working position

MODEL	CS 7,5 E 800
Item No	701846 23924
EAN 13 Code	5450248 333623
TECHNICAL DATA	
Supply Voltage	400V 3~
Power kW	7,5kW (10 Hp)
Fuse/Generator	16A / 19 kVA
Max. blade x bore	Ø 800 x25,4mm
Max. cutting depth	320mm
Tool speed RPM	1460 min ⁻¹
Starter	Electric
Raise and lower	Manual
Propelling	Push
Hand Arm Vibrations	4,86 m/s ²
Sound power/ pressure level	94 dB (A) / 80 dB (A)
Dimensions (LxWxH)	1270 x 580 x 1000mm
Weight	118kg





FLOOR SAWS

ACCESSORIES



CS451	Item No	EAN 13 Code
Kit for twin blade mounting	3103 57954 *	5450248 446507

CS501	Item No	EAN 13 Code
1 - 600mm blade conversion kit P13	3103 38336 *	5450248 394792
1 - 600mm blade conversion kit P15	3103 38337 *	5450248 394808
1 - 600mm blade conversion kit P20	3103 38338 *	5450248 394815
1 - 600mm blade conversion kit D11	3103 38339 *	5450248 394822
1 - 600mm blade conversion kit D15	3103 38340 *	5450248 394839

* Availability on request.



CSB1	Item No	EAN 13 Code
2 - Kit for 600mm blade guard	3100 05876 *	5450248 129226
3 - Kit water tank	3104 19088 *	5450248 534402

* Availability on request.



CK31	Item No	EAN 13 Code
Rotating warning light	3100 34409	5450248 237594
Spotlight kit	3100 24378 *	5450248 237617
350 blade conversion kit	3100 48104 *	5450248 350156
4 - Kit electric water pump	3100 33192	5450248 373711

* Availability on request.

CK61	Item No	EAN 13 Code
Rotating warning light	3100 34409	5450248 237594
Spotlight kit	3100 24378 *	5450248 237617
350 blade guard	3100 34410 *	5450248 350163
4 - Kit electric water pump	3100 33192	5450248 373711
5 - 600-700 blade conversion kit	3100 24380 *	5450248 396093

* Availability on request.



The CLIPPER Solutions



DRILL RIGS & DRILLING MOTORS





DRILL RIGS

SELECTION CHART



You are looking for drilling equipment
for bricks, paver, hollow concrete blocks, concrete...

WET-DRILLING WITH HANDHELD MOTOR ON DRILL RIG

What is the hole diameter ?

Select the right handheld motor

Masonry materials up to $\varnothing$ 100mm
or concrete up to $\varnothing$ 80mm

NBM 131 - 1800W



Masonry materials up to $\varnothing$ 200mm
or concrete up to $\varnothing$ 160mm

NBM 201 - 2000W



Select the right drill rig for handheld motors

Up to $\varnothing$ 130mm



CDR 132

Up to $\varnothing$ 160mm



CDR 162

Up to $\varnothing$ 200mm



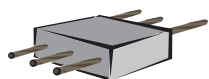
CDR 252 *



For optional accessories, see at bottom of next page.

* Requires optional 60mm motor adaptor ring.
(310388827 - p.139)

FOR DRILLING EQUIPEMENT



You are looking for drilling equipment
for hard materials like reinforced concrete or natural stones

WET-DRILLING WITH FIXED MOTOR ON DRILL RIG

What is the hole diameter ?

Select the right fixed motor

Reinforced concrete up to $\varnothing$ 250mm

NBM 251 - 2500W



Reinforced concrete up to $\varnothing$ 400mm

NBM 351 - 3300W



Select the right drill rig for fixed motors

Up to $\varnothing$ 250mm



CDR 252

Up to $\varnothing$ 350mm



CDR 352

Up to $\varnothing$ 400mm



CDR 402

Optional accessories :



Vacuum base
310387430, 310387431
(see page 139)



Vacuum pump - 310387450
(see page 140)



Water collector
310387433, 310387434
(see page 139)



Dust & water extractor CV402
310436601 (see page 146)





DRILL RIGS



You are looking for drilling equipment
for bricks, poroton, hollow concrete blocks, concrete...

DRY DRILLING WITH HANDHELD MOTOR

What is the hole diameter ?

Select the right handheld motor

Masonry materials up to $\varnothing$ 100mm
or concrete up to $\varnothing$ 80mm

NBM 131 - 1800W



Masonry materials up to $\varnothing$ 200mm
or concrete up to $\varnothing$ 160mm

NBM 201 - 2000W



Select the right drill rig for handheld motors

Up to $\varnothing$ 130mm



CDR 132

Up to $\varnothing$ 160mm



CDR 162

Optional accessories :



Vacuum base
310387430, 310387431
(see page 139)



Vacuum pump - 310387450
(see page 140)



Dust swivel (NBM130/150)
310389028 (see page 143)

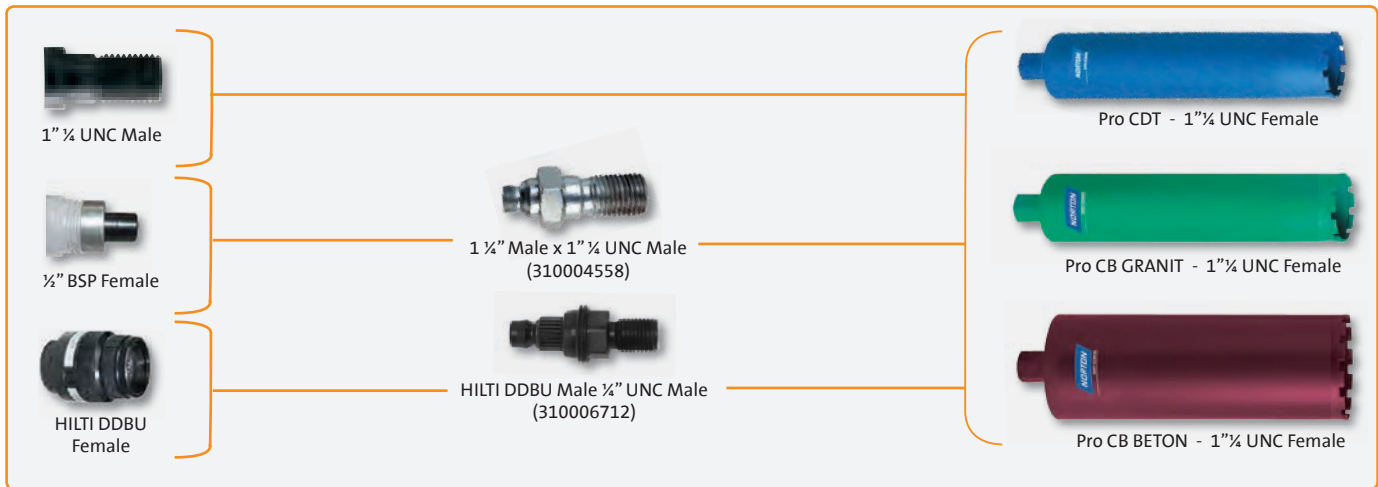


Dust & water extractor CV402
310436601 (see page 146)



CONNECTIONS

Wet handheld drilling with corebit 1" ¼ UNC Female



Wet handheld drilling with corebit R ½ BSP Male



Dry handheld drilling with corebit R ½ BSP Female





CDR 132 & CDR 162

Ø 130 or
160mm

6-7kg



415-545mm



CDR 132



CDR 162



Fully aluminum drill stand combining rigidity, precision, ease of use and light weight. Unique accurate and smooth guiding thanks to 4 guiding rolls made of high performance Nylon. Easily accessible guiding wheels for wear compensation adjustment.

Features

Benefits

Aluminium column.

- Robust, reliable while light weight.

Left and right mounting drive-lever.

- Easy use even in confined environments.

Multi-purpose drive-lever.

- Can be used for levelling and locking screws.

Spirit level.

- For accurate column levelling.

Rolls-guided carriage.

- High accuracy drill guiding, few maintenance.

Laser pointer (CDR162).

- For precise rig positioning.

Ring mounting motor collar (60mm).

- Quick and easy motor mounting without any additional tool.

Transport handle on top.

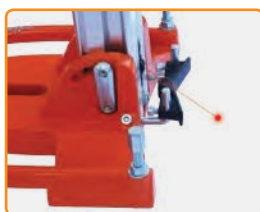
- Easy and ergonomic handling.

Adjustable bit guide (CDR162).

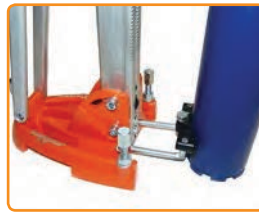
- Precise cutting of the bit.



Spirit level.



Laser pointer system
(CDR162).



Adjustable bit guide
(CDR162).



Left and right
mounting drive lever

DRILL RIG for collar mounting

MODELS	CDR 82V	CDR 132	CDR 162
Item No	3103 87339	3103 87338	3103 87340
EAN 13 Code	5450248 466697	5450248 466482	5450248 466703
TECHNICAL DATA			
Diam. Max	80mm	130mm	160mm
Hub	410mm	415mm	545mm
Column	Aluminum	Aluminum	Aluminum
Column section	50 x 50mm	50 x 50mm	50 x 50mm
Base	Vacuum	Dowel	Dowel
Base dimensions	510 x 150mm	215 x 170mm	200 x 250mm
Bit guide	No	No	Yes
Motor mounting plate	Ring 60mm incl.	Ring 60mm incl.	Ring 60mm incl.
Carriage	Aluminum	Aluminum	Aluminum
Carriage Guiding system	Rolls	Rolls	Rolls
Carriage handle	left-right	left-right	left-right
Carriage travel	1:1	1:1	1:1
Braces	No	No	Yes
Tilting	No	No	0-45°
Pointing laser	No	No	Yes
Spirit level	1	1	1
Transport wheels	No	No	Optional
Height	720mm	725mm	900mm
Weight	7,5kg	6kg	7kg

CDR 82V

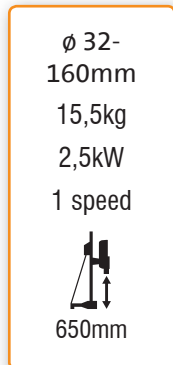


Vacuum base drill rig with manual suction cups. Especially designed for quick mounting on flat and polished supports, such as stone, glass, stair steps, etc.

The aluminium column is pivoting to allow drilling in corners and recessed area.

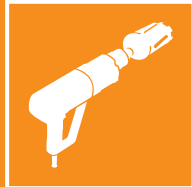
- 60mm motor collar mounting.
- Rolls guided carriage.
- Left and right mounting drive lever.

D160



Complete kit including:

- Aluminium column (885mm).
- Dowel base for precise drilling.
- Quick and easy motor mounting without additional tool.
- 2,5kW motor with dual connection 1"¼ + ½".
- Right and left mounting feed mechanism lever.
- PRCD.



HANDHELD DRILLING MOTORS

NBM 201

2,0kW

ø 40-
200mm

7,5kg

½ + 1"¼

3 speeds



Powerfull 2,0kW and reliable 3 speeds handheld drill motor with combined spindle ½" + 1"¼. Can also be used in a drill stand.

Features

Powerful 2000W drilling motor.

Combined spindle.

Ergonomic handles.

60mm ring on body.

3-speed gearbox.

Oil-bath lubricated gearbox.

Mechanical clutch.

Soft-start switch.

Overload protection.

Delivered in suitcase.

Benefits

- For both handheld and rig-mounted drilling.

- For the mounting of 1"¼ and ½" corebits.

- Easy torque-control and comfortable work.

- Can be mounted on drill rigs.

- For a wide drilling diameter range.

- Maintenance-free life-long lubrication.

- For user's safety.

- Limitation of starting current and speed.

- Protection of electrical and mechanical parts for longer life.

- Easy and safe transportation.



Combined spindle.



3-speed gearbox.

HANDHELD DRILLING MOTORS

All motors are delivered with differential switch (PRCD), 10mA.

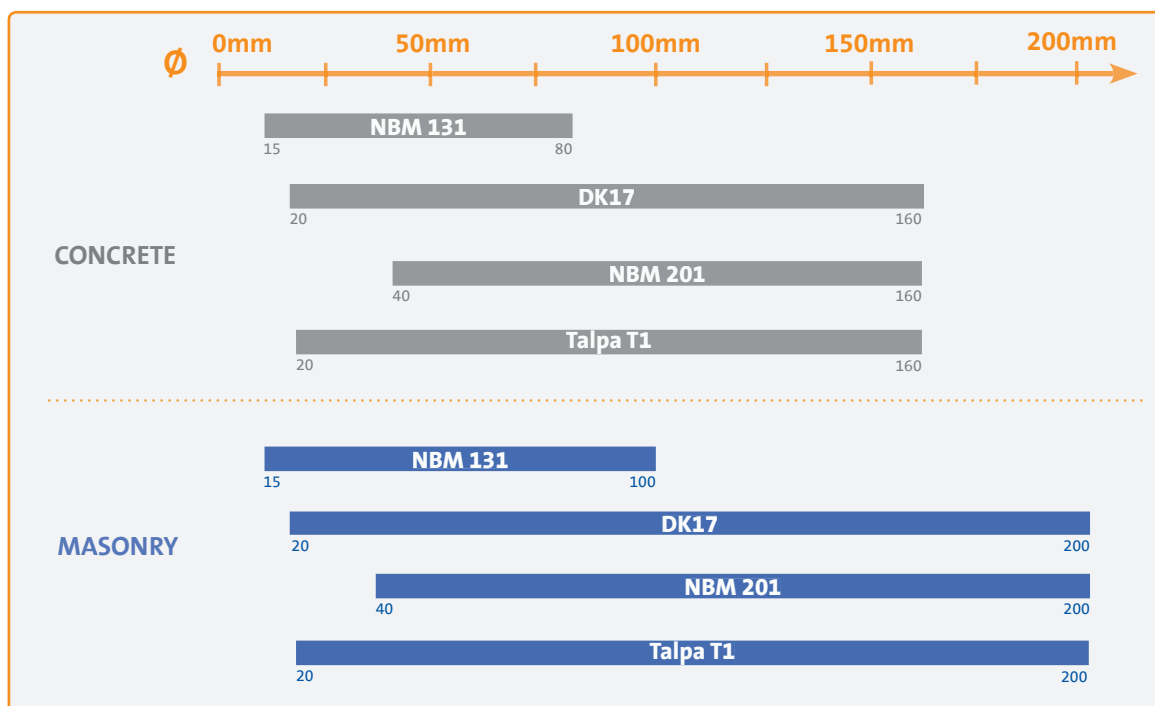


Handheld drilling motors

TYPE	POWER	VOLTS	Ø RANGE (mm)	DRY	WET	CONNECTION	RPM ¹	WEIGHT	ITEM NO	EAN 13 CODE
1 - NBM 131 ³	1800W	230V1~	15-100	Yes ²	Yes	½ + 1"¼	1000/2600	6,8kg	3104 05042	5450248 515708
2 - Weka DK17 ³	2000W	230V1~	20-200	Yes	Yes	½ + 1"¼	540/1200/2520	6,3kg	3100 48004	5450248 373629
3 - NBM 201 ³	2000W	230V1~	40-200	Yes ²	Yes	½ + 1"¼	450/1050/2000	7,5kg	3104 05043	5450248 515715
4 - Cardi TALPA T1 MAN N EL41 ³	2200W	230V1~	20-200	Yes ²	Yes	½ + 1"¼	530/1280/1780	7,5kg	3100 06973	5450248 189695

¹ RPM under load. ² WITH ACCESSORIES - See our dust swivel at p.143. ³ Engine delivered in a box.

DIAMETER RANGE





CDR 252, CDR 352 & CDR 402

Ø 250-400mm
11-13,5kg
0-45°

625mm



CDR 252



CDR 352



Fully aluminum drill stand combining rigidity, precision, ease of use and light weight. Unique accurate and smooth guiding thanks to 4 guiding rolls made of high performance Nylon. Easily accessible guiding wheels for wear compensation adjustment.

Features

Aluminium column.

Rolls-guided carriage.

Laser pointer.

Transport wheels (CDR352 & CDR402).

3 points level adjustment.

Multi-purpose drive-lever.

Standard motor mounting fixture.

Transport handle on top.

Carriage travel (CDR402).

Adjustable bit guide.

Benefits

- Robust, reliable while light weight.

- High accuracy drill guiding, few maintenance.

- For precise rig positioning.

- For easy transportation (optional on CDR252).

- Quicker and faster installation.

- Can be used for levelling and locking screws.

- Fits to most drilling motors on the market.

- Easy and ergonomic handling.

- 2 different reports/ratio for an easy work.

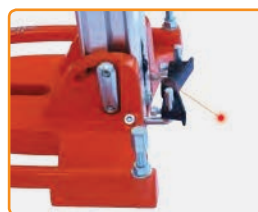
- Precise cutting of the bit.



Spirit level.



Transport wheels.



Laser pointer system.



Rolls-guided carriage.

DRILL RIGS

MODELS	CDR 252	CDR 352	CDR 402
Item No	3103 87341	3103 87342	3103 87343
EAN 13 Code	5450248 466727	5450248 466734	5450248 466741
TECHNICAL DATA			
Diam. Max	250mm	350mm	400mm
Hub	625mm	625mm	625mm
Column	Aluminum	Aluminum	Aluminum
Column section	55 x 60mm	70 x 70mm	70 x 70mm
Base	Dowel	Dowel	Dowel
Base dimensions	235 x 325mm	330 x 400mm	330 x 400mm
Bit guide	Yes	Yes	Yes
Motor mounting plate	Quick mounting plate incl.	Quick mounting plate incl.	Quick mounting plate incl.
Carriage	Aluminum	Aluminum	Aluminum
Carriage Guiding system	Rolls	Rolls	Rolls
Carriage handle	left-right	left-right	left-right
Carriage travel	1:1	1:1	1:1 + 1:5
Braces	Yes	Yes	Yes
Tilting	0-45°	0-45°	0-45°
Pointing laser	Yes	Yes	Yes
Spirit level	1	1	1
Transport wheels	Optional	Included	Included
Height	975mm	1050mm	1050mm
Weight	11kg	13kg	13,5kg



Simple level adjustment with 3 screws on base.



Optional vacuum plate especially designed for perfect and simple fitting with the base. (310387431)



Unique precise and smooth guiding thanks to 4 guiding rolls made of high performance Nylon. Easily accessible guiding wheels for wear compensation adjustment.



3,3kW

ø 30-350mm

12,5kg

1 1/4"

3 speeds



Powerfull reliable and compact 3-speed wet-drilling motor for rig mounting.

Features

3300W motor.

3-speed gearbox.

Standard motor mounting fixture.

Overload protection.

LED load indicator.

Soft-start switch.

Mechanical clutch.

Oil-bath lubricated gearbox.

Benefits

- Powerful and professional motor.

- For a wide drilling diameter range.

- Fits to most drilling rigs on the market.

- Protection of electrical and mechanical parts for longer life.

- For optimum drilling in-feed and longer life.

- Limitation of starting current.

- For optimal protection of motor and tools.

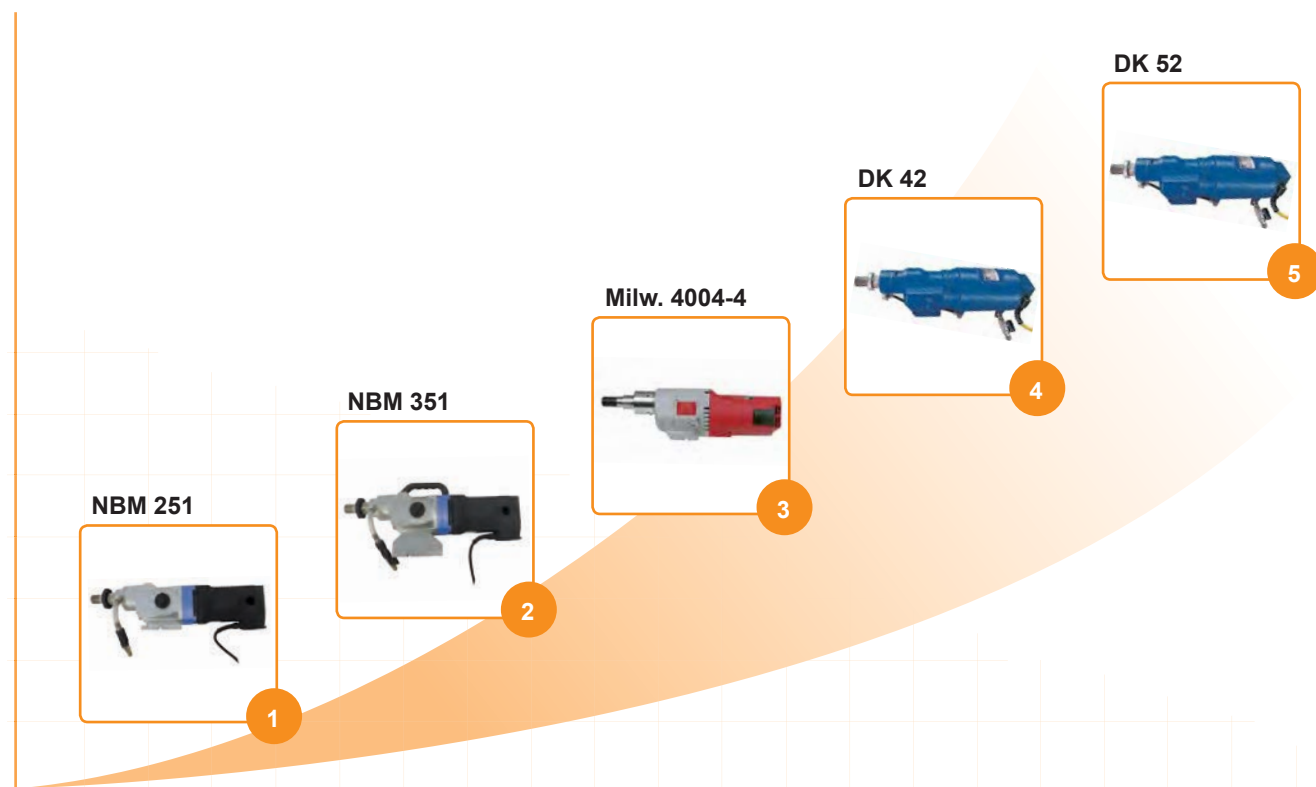
- Maintenance-free life-long lubrication.



3-speed gearbox.

DRILL RIG MOTORS

All motors are delivered with differential switch (PRCD), 10mA.



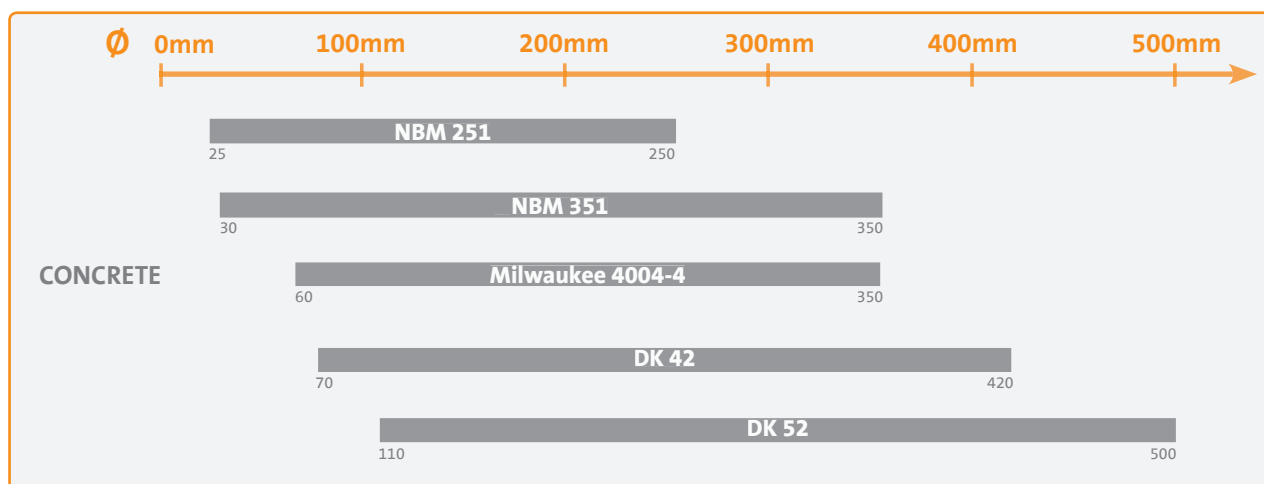
Drilling motors for rig mounting

TYPE	POWER	VOLTS	Ø RANGE	WET	CONNECTION	RPM ¹	WEIGHT	ITEM NO	EAN 13 CODE
1 - NBM 251	2500 W	230V1~	25-250mm	Yes	1"¼	310/650/960	11,5kg	3104 05044	5450248 515722
2 - NBM 351	3300 W	230V1~	30-350mm	Yes	1"¼	230/510/730	12,5kg	3104 05045	5450248 515739
3 - Milwaukee 4004-4	2800 W	230V1~	60-350mm	Yes	1"¼	300/600	14,5kg	3100 02284	5450248 126737
4 - Weka DK 42 ²	3900 W	400V3~	70-420mm	Yes	1"¼	160/340/510	21kg	3100 05131*	5450248 115762
5 - Weka DK 52 ²	5200 W	400V3~	110-500mm	Yes	1"¼	120/240/360	22,5kg	3100 06593*	5450248 172680

¹ RPM under load. ² Water cooled.

* Availability on request.

DIAMETER RANGE





DRILL RIGS

COMPLETE KITS - Drill rigs with collars



Kits include drill stand with attached motor, dowel base, PRCD, tools and fixing screws (without dowel and without corebit).

Complete kits **CDR 132** :

MOTOR	POWER	RANGE	RPM	WEIGHT	ITEM NO	EAN 13 CODE
NBM 201	2000W	40-200mm	450/1050/2000	13,5kg	701846 43545	5450248 511335



Complete kits **CDR 162** :

MOTOR	POWER	RANGE	RPM	WEIGHT	ITEM NO	EAN 13 CODE
NBM 201	2000W	40-160	450/1050/2000	14,5kg	701846 43546	5450248 511342
Talpa T1 MAN N EL41	2200W	20-160	530/1280/1780	14,5kg	701846 43599	5450248 511229



Complete kits **D160** :

MOTOR	POWER	RANGE	RPM	WEIGHT	ITEM NO	EAN 13 CODE
NBM 115V	2500W	32-160	450	15,5kg	701846 45533	5450248 531241
NBM 230V	2500W	32-160	450	15,5kg	701846 45532	5450248 531234



COMPLETE KITS - Drill rigs



Kits include drill stand with attached motor, dowel base, PRCD, tools and anchor set (without dowel and without corebit).

Complete kit **CDR 252** :

MOTOR	POWER	RANGE	RPM	WEIGHT	ITEM NO	EAN 13 CODE
NBM 251	2500W	25-250	310/650/960	24,5kg	701846 43548	5450248 511366

Complete kit **CDR 352** :

MOTOR	POWER	RANGE	RPM	WEIGHT	ITEM NO	EAN 13 CODE
NBM 351	3300W	30-350	230/510/730	26,5kg	701846 43549	5450248 511373

Complete kit **CDR 402** :

MOTOR	POWER	RANGE	RPM	WEIGHT	ITEM NO	EAN 13 CODE
NBM 351	3300W	30-350	230/510/730	27kg	701846 43550	5450248 511397
Talpa 6-375 EL	3420W	30-375	230/520/965	26kg	701846 43602 *	5450248 511267

* Availability on request.



DRILL RIGS

ROBO 3004 & ROBO 3504

Ø 300 >
354mm
45 > 49 kg

NEW



Optional accessory



OPTIONAL
40L electrical
water tank

Features

High stroke

Continuous column angle setting up to 45°

Heavy duty frame

Optional foot plates with rolls

Benefits

• Allows use of drills with 1 1/4" connections or 3 holes

• Easy setting by column swing, pre-defined 45° and 90° positions

• Stability, even working in a trench

• Quick and easy samples or post holes drilling

Complete sets :

Including motor and motor frame, exhaust fumes hose (petrol motor), fixing strop and stake, 10L water tank and tools.

ROBO 3004

MOTOR	RANGE (MM)	RPM MIN ⁻¹	WEIGHT	ITEM NO	EAN 13 CODE
STIHL 2-Stroke - 2,8 kW	Ø 100 - 300	300	45 kg	701846 46084	5450248 538103
NBM 351	Ø 30 - 350	250/510/730	55 kg	701846 44222	5450248 517092

ROBO 3504

MOTOR	RANGE (MM)	RPM MIN ⁻¹	WEIGHT	ITEM NO	EAN 13 CODE
STIHL 2-Stroke - 2,8 kW	Ø 100 - 354	300	49 kg	701846 46085	5450248 538127



TECHNICAL DATA	ROBO 3004	ROBO 3504
Max. diameter	Ø 300mm	Ø 354mm
Connection	1 1/4" UNC	1 1/4" UNC
Hub	500mm	500mm
Weight	45kg	49kg



ACCESSORIES



ROBO 3004 & ROBO 3504		Item No	EAN 13 Code
1 -	Step boards (with transport wheels included)	3100 04601 *	5450248 094401
2 -	Water tank 10L	3103 87452	5450248 467137
3 -	Dowel gusset (for fixation with tie-bar anchor rod and screws)	3100 06298 *	5450248 156529

* Availability on request.



DRILL RIGS

1 -	Water collecting rings (delivered with 3 joints)	Item No	EAN 13 Code
	Water collector 20-125mm (for CDR162, CDR 252, CDR 352, CDR 402)	3103 87433	5450248 467021
	Water collector 20-180mm (for CDR162, CDR 252, CDR 352, CDR 402)	3103 87434	5450248 467038
2 -	Spare seals	Item No	EAN 13 Code
	20-125mm	3103 87435 *	5450248 467045
	20-180mm	3103 87446	5450248 467052
3 -	Vacuum base	Item No	EAN 13 Code
	CDR 132, CDR 162	3103 87430	5450248 466994
	CDR 252, CDR 402	3103 87431	5450248 467007
	Spacer and mounting rings	Item No	EAN 13 Code
5 -	Motor adaptor ring 60mm for handheld motors	3103 88827	5450248 471325
6 -	Transport wheel	Item No	EAN 13 Code
	CDR 252, CDR 352, CDR 402	3103 87432 *	5450248 467014

* Availability on request.





DRILL RIGS

ACCESSORIES

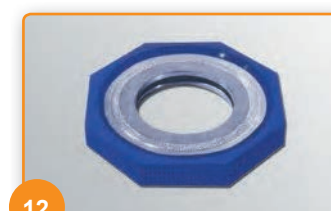


DRILL RIGS	Item No	EAN 13 Code
1 - Vacuum pump Vp 135	3103 87450	5450248 467106
2 - Security box FI	3100 04404 *	5450248 079767
3 - Differential switch 30 mA (PRCD)	3100 05608	5450248 124146
Water tank 10L	3103 87452	5450248 467137
4 - Submerged water pump	3100 06044	5450248 138686
5 - Quick release anchor set (CDR252/352/402)	3100 03976	5450248 049418
Quick release anchor set (CDR132/162)	3103 89142	5450248 472209
6 - Bronze ring	3100 04317	5450248 074434
7 - Dowel installation tool	3103 87451	5450248 467113
8 - Rawl dowel (10 p)	3100 06879	5450248 189879
9 - Telescopic brace (Lmin=1,88m ; Lmax=3,30m)	3100 04567	5450248 090724
10 - Fixing dowel M12 (10p)	3100 04562	5450248 089995
11 - Tie-bar anchor rod for rawl dowel	3100 06977	5450248 190042
12 - Drifter	3100 07056	5450248 193043
13 - Drill SDS 15mm	3100 05211 *	5450248 117223
14 - Centering device for CDM ½" L = 300mm	3103 87448	5450248 467076
Centering device for CDM 1¼" L = 450mm	3103 87449	5450248 467083
15 - Water tank 40L with electrical pump	3103 87453 *	5450248 467144
Set of tools for CDR	3103 91934	5450248 493631
16 - Centering device 120mm	3100 07049 *	5450248 192909
17 - Adaptor M10	3100 06925 *	5450248 187554

* Availability on request.



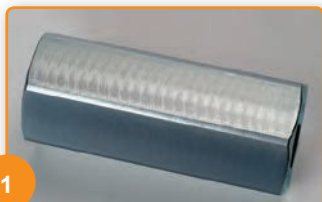
ACCESSORIES





ADAPTORS			Item No	EAN 13 Code
1 -	1 ¼" UNC Female x R ½" Female		3100 04570	5450248 090823
2 -	1 ¼" UNC Male x R ½" Male		3100 04558	5450248 089537
3 -	R ½" Male x M30 Male		3100 06783 *	5450248 186267
	1 ¼" UNC Female x M30 Male		3100 06867 *	5450248 186724
4 -	1 ¼" UNC Female x M38 Male		3100 04146 *	5450248 067443
5 -	1 ¼" UNC Male x Hilti DDBU		3100 06712 *	5450248 180968
6 -	R ½" Female x Hilti DDBI		3100 07181 *	5450248 202264
7 -	R ½" Male x R ½" Male		3100 12389 *	5450248 238768
8 -	SDS Male x R ½" Male		3100 12391	5450248 238782
9 -	3 holes flange x 1 ¼" UNC Female		3100 04594	5450248 094111
10 -	3 holes flange x 1 ¼" UNC Male		3100 04595	5450248 094128
EXTENSIONS			Item No	EAN 13 Code
11 -	1 ¼" UNC Female x 1 ¼" UNC Male	100mm	3100 04577	5450248 092001
	1 ¼" UNC Female x 1 ¼" UNC Male	200mm	3100 04571	5450248 090939
	1 ¼" UNC Female x 1 ¼" UNC Male	300mm	3100 04574	5450248 091196
	1 ¼" UNC Female x 1 ¼" UNC Male	500mm	3100 04575	5450248 091202
	R ½" Female x R ½" Male	100mm	3100 04610 *	5450248 095262
12 -	R ½" Female x R ½" Male	200mm	3100 04578	5450248 092018
	R ½" Female x R ½" Male	300mm	3100 04572	5450248 090946
	R ½" Female x R ½" Male	500mm	3100 04576	5450248 091219
	Extension M30	150mm	3100 05748	5450248 127352

* Availability on request.



1



2



3



4



5



6



7



8



9



10



11



12



ACCESSORIES



DRILL RIGS CONNECTORS		Item No	EAN 13 Code
	Dust swivel 3-Jaw to ½"	3100 11269	5450248 372714
1 -	Dust swivel ½" Male-Female	3103 89028 *	5450248 471806
2 -	150mm Extension	3100 11352	5450248 230410
3 -	250mm Extension	3100 11353	5450248 230427
4 -	Hex Adaptor Pack	3100 11356	5450248 234876
5 -	SDS Adaptor Pack	3100 11357	5450248 234883
6 -	SDS 200mm Extension Rod	3100 11355	5450248 230441
	22mm core starter	3100 11360	5450248 372752
	28mm core starter	3100 11361	5450248 372769
7 -	HEX Adaptor	3100 11349	5450248 230397
8 -	SDS Adaptor	3100 11354	5450248 230434
	Adaptor ½ male to male	3100 11358 *	5450248 372738
	10mm A Taper Masonry Drill	3100 11347	5450248 372776
9 -	Tapered Guide Rod	3100 11350	5450248 230403
10 -	Ejector Drift	3100 11351	5450248 372721

* Availability on request.





DRILL RIGS

ACCESSORIES



M16 DRILLING	Item No	EAN 13 Code
1 - Pilot drill Ø6mm	3100 03973	5450248 049234
2 - Pilot drill Ø8mm	3100 07578 *	5450248 219521
3 - Connector-Hex M16 for tapered pilot drill Ø6mm	3100 03974	5450248 049241
4 - M16 Male x R½" Male	3100 06030 *	5450248 149897
5 - Connector SDS M16 for tapered pilot drill Ø6mm	3100 05899	5450248 149880
6 - SDS connector with screw M16 for Ø6mm drill	3100 05898	5450248 149873

* Availability on request.



The CLIPPER Solutions



DUST EXTRACTORS





DUST EXTRACTORS

CV402 - CV324

1,6 > 2,0kW
324 > 380m³/h
21 > 34kg
Electric

NEW



CV402



CV324



Removable filter



The CV324 has a removable dust bin



Paper filter bag (CV402 accessory)



TEFLON filter bag (CV324 accessory)



The CV324 fits all Clipper grinding machines

Our range of multi-purpose dust extractors covers most of the professional's need on the jobsite (inside or outside worksites). They can be used for extracting dust and water, but also for vacuum-cleaning after work.

- CV402 is best fitted for use with our new TR250H DF tile saw, as well as for all dry- and wet- drilling applications.
- CV324 is an industrial dust extractor best fitted for use with the Clipper floor grinding machines.

MODELS	CV402	CV324
Item No	3104 36601	3103 25226
EAN 13 Code	5450248 559191	5450248 372295
Application	TR250H DF and drilling	Floor grinding
TECHNICAL DATA		
Supply Voltage	230V 1~	230V 1~
Power kW	2,0kW (2 motors)	1,6kW (2 motors)
Fuse / Generator	16A / 8kVA	16A / 4kVA
Filter	3μ	Teflon (incomparable comfort of the operator)
Cleaning	Paper bag	Manual with shaker
Airflow	380 m³/h	324 m³/h
Vacuum suction	200 mbar	300 mbar
Tank material	PP	PP
Tank capacity	60 L	40 L
Noise level	78 db(A)	78 db(A)
Dimensions (LxWxH)	600 x 540 x 950mm	580 x 650 x 1000mm
Weight	21kg	34kg
Filter bags	Paper (5pcs) - 3104 36603	TEFLON (1pc) - 3103 26340
	Cotton (5pcs) - 3104 36605	-



The CLIPPER Solutions



POWER FLOATS





POWER FLOATS

CT601

2,2 > 2,9kW
 Ø 620mm
 62 > 65kg
 Petrol
 Electric



The CT601 is a light weight machine, ideal for small surfaces and for trowelling along walls.



Foldable machine arm



Blades safety guard rings



Lifting hook



Accessories



Distance to wall : 10mm

FEATURES

Dead man handle
 Aluminium safety guard rings
 Mechanical blades pitch control
 Foldable arm and lifting eye

BENEFITS

User's safety
 Light weight and user safety
 Setting accuracy for perfect surface finish
 Easy loading and transportation

MODELS	CT601 MP	CT601 ME
Item No	701846 29945	701846 29946
EAN 13 Code	5450248 439998	5450248 440017
TECHNICAL DATA		
Included tools	Finishing blades and pan	Finishing blades and pan
Power Source	Petrol	Electric
Power kW (Hp)	2,9kW (4Hp)	2,2kW (3Hp)
Motor Type	HONDA GX 120	-
Supply Voltage	-	230V 1~
Fuse / Generator	-	16A / 6kVA
Blade rotation diameter (clockwise)	600mm	600mm
Guard ring diameter	620mm	620mm
Distance to wall	10mm	10mm
Pitch control	Mechanical	Mechanical
Hand Arm Vibrations	< 2,5 m/s ²	< 2,5 m/s ²
Sound power / pressure level	93dB(A) / 81dB(A)	91dB(A) / 79dB(A)
Dimensions (LxWxH)	1560 x 650 x 1060mm	1560 x 650 x 1060mm
Weight (without pans)	62kg	65kg

CT901

4,8kW
Ø 950mm
75kg
Petrol



The CT901 is a medium weight machine, and the most popular power float at users. It covers a wide range of applications.



Blades safety guard rings



Handling of the machine



Adjustable and foldable machine arm



Accessories

FEATURES	BENEFITS
Heavy duty jig welded steel frame	Robust and reliable
Dead man handle	User's safety
Blades safety guard rings	Ensures user's safety while maintaining good visibility
Mechanical blades pitch control	Setting accuracy for perfect surface finish

MODEL	CT901 MP
Item No	701846 29948
EAN 13 Code	5450248 440499
TECHNICAL DATA	
Included tools	Finishing blades
Power Source	Petrol
Power kW (Hp)	4,8kW (6,5Hp)
Motor Type	HONDA GX200
Supply Voltage	-
Fuse / Generator	-
Blade rotation diameter (clockwise)	900mm
Guard ring diameter	950mm
Distance to wall	25mm
Pitch control	Mechanical
Hand Arm Vibrations	< 2,5 m/s²
Sound power / pressure level	94dB(A)/85dB(A)
Dimensions (LxWxH)	1980 x 950 x 1060mm
Weight (without pans)	75kg





POWER FLOATS

MTA36

2,2 > 4,8kW
 Ø 915mm
 80 > 85kg
 Petrol
 Electric

The MTA36 is a medium weight machine equipped with a hydraulic blade pitch control.



MTA36 P5H



MTA36.30.3



Dead man handle



Adjustable and foldable machine arm



Hydraulic pitch control



Floating blades 300x280mm



Ergonomic working position

FEATURES

Heavy duty jig welded steel frame
 Dead man handle
 Blades safety guard rings
 Blades pitch control with hydraulic pump

BENEFITS

Robust and reliable
 User's safety
 Ensures user's safety while maintaining good visibility
 Setting accuracy, perfect surface finish

MODELS	MTA36 P5H	MTA36.30.3
Item No	701846 14008	701846 13921 *
EAN 13 Code	5450248 145783	5450248 142539
TECHNICAL DATA		
Power Source	Petrol	Electric
Power kW (Hp)	4,8kW (6,5Hp)	2,2kW (3Hp)
Motor Type	HONDA GX200 QX	-
Supply Voltage	-	400V 3~
Fuse / Generator	-	10A /6kVA
Blade rotation diameter (clockwise)	865mm	865mm
Guard ring diameter	915mm	915mm
Distance to wall	25mm	25mm
Pitch control	Hydraulic	Hydraulic
Hand Arm Vibrations	4 m/s ²	4 m/s ²
Sound power / pressure level	94dB(A)/85dB(A)	92dB(A)/82dB(A)
Dimensions (LxWxH)	1790 x 915 x 790mm	1790 x 915 x 790mm
Weight (without pans)	80kg	85kg

* Availability on request.



CT1201

6,6kW
 Ø 1190mm
 110kg
 Petrol



The CT1201 is a heavy duty machine, ideal for large surfaces.



Adjustable and foldable machine arm



Removable lifting eye



Handling of the machine



Dead man handle



Accessories

FEATURES	BENEFITS
Heavy duty jig welded steel frame	Robust and reliable
Dead man handle	User's safety
Blades safety guard rings	Ensures user's safety while maintaining good visibility
Mechanical blades pitch control	Setting accuracy for perfect surface finish

MODELS	CT1201 MP
Item No	701846 29953
EAN 13 Code	5450248 440512
TECHNICAL DATA	
Included tools	Finishing blades
Power Source	Petrol
Power kW (Hp)	6,6kW (9Hp)
Motor Type	HONDA GX 270
Blade rotation diameter (clockwise)	1110mm
Guard ring diameter	1190mm
Distance to wall	40mm
Pitch control	Mechanical
Hand Arm Vibrations	< 2,5 m/s ²
Sound power / pressure level	96dB(A) / 87dB(A)
Dimensions (LxWxH)	2120 x 1190 x 1025mm
Weight (without pans)	110kg





POWER FLOATS

ACCESSORIES



CT601	Dimensions Lxl (mm)	Fixing thread	Spacing (mm)	Item No	EAN 13 Code
1 - Floating pan	600	Mechanical stop	-	3100 04554	5450248 089179
3 - Finishing blades (set of 4)	230x120	M6	100	3103 69479	5450248 440185

CT901	Dimensions Lxl (mm)	Fixing thread	Spacing (mm)	Item No	EAN 13 Code
1 - Floating plate / pan	Ø900	Mechanical stop	-	3100 04546	5450248 088967
2 - Floating blades (set of 4)	355x250	Clamp	-	3104 03131	5450248 512547
3 - Finishing blades (set of 4)	355x150	M8	122	3104 03132	5450248 512554
4 - Combination blades (set of 4)	330x200	M8	127	3100 04541	5450248 088745
5 - Finishing blades with moving nut (set of 4)	330x150	M8	82-160	3100 04564	5450248 090472
6 - Combination blades with moving nut (set of 4)	330x200	M8	82-160	3100 04565	5450248 090489

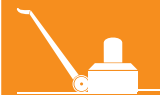
MTA36	Dimensions Lxl (mm)	Fixing thread	Spacing (mm)	Item No	EAN 13 Code
1 - Floating plate / pan	Ø900	Mechanical stop	-	3104 03130	5450248 512523
2 - Floating blades (set of 4)	330x280	Clamp	-	3100 04585	5450248 093695
3 - Finishing blades (set of 4)	330x150	M8	127	3100 04549	5450248 089032
4 - Combination blades (set of 4)	330x200	M8	127	3100 04541	5450248 088745
5 - Finishing blades with moving nut (set of 4)	330x150	M8	82-160	3100 04564	5450248 090472
6 - Combination blades with moving nut (set of 4)	330x200	M8	82-160	3100 04565	5450248 090489

CT1201	Dimensions Lxl (mm)	Fixing thread	Spacing (mm)	Item No	EAN 13 Code
1 - Floating pan	Ø1200	Mechanical stop	-	3103 69499	5450248 440406
2 - Floating blades (set of 4)	460x255	Clamp	-	3103 69497	5450248 440376
3 - Finishing blades (set of 4)	455x152	M8	158	3103 69485	5450248 440246
4 - Combination blades (set of 4)	450x200	M8	158	3103 69496	5450248 440369

For the operator	Item No	EAN 13 Code
7 - Feet skates (set of 2)	3100 04551	5450248 089063

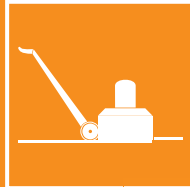


The CLIPPER Solutions



GRINDING MACHINES





GRINDING MACHINES

CG125

1,8kW
10 000 min⁻¹
4,3kg
Electric
230V 1~



Single-head handheld grinding machine with a grinding width of 125mm.

Working areas :

Surface preparation along floor edges and small surfaces (balconies, garages, cellars) : floor levelling, preparation before coating, removal of coating defects or adhesives.



Hose connector for vacuum cleaner



Transport box

MODEL	CG125
Item No	701846 28733
EAN 13 Code	5450248 396475
TECHNICAL DATA	
Supply voltage	230V 1~
Power	1,8 kW
Disc diameter	125mm
Tool speed (under load)	10 000 min ⁻¹
Tool connection	M 14
Vacuum hose connector	36mm
Hand Arm Vibrations	< 2,5 m/s ²
Weight	4,3 kg

See our range of cup grinders on page 34.

FEATURES	BENEFITS
125mm working width, ability to grind right to the edge	Designed for small to medium size floors preparation
Front part of the guard removable	Drinding right to the edge is possible
Full wave electronics	Soft start, constant speed, overload protection
Low vibrations level	Easy and comfortable usage

CG25 S

2,2kW
1415 min⁻¹
70kg
Electric
230V 1~

Single-head grinding machine with a grinding width of 250mm.

Working areas :

Surface preparation of small to medium size floors (balconies, garages, cellars) : floor levelling, preparation before coating, removal of coating defects or adhesives.



Hose connector to fit dust collector



Grinding width of 125mm



MODEL	CG25 S 230V ~1
Item No	701846 26882
EAN 13 Code	5450248 371489
TECHNICAL DATA	
Supply Voltage	230V 1~
Power kW	2,2kW (3Hp)
Fuse / Generator	16A / 6 kVA
Working width	250mm
Tool speed RPM	1415 min ⁻¹
Vacuum connector	50mm
Hand Arm Vibrations	< 2,5 m/s ²
Dimensions (LxWxH)	1180 x 520 x 1150mm
Weight	70kg

FEATURES	BENEFITS
250mm working width, ability to grind right up to 20mm from the edge	Designed for small to medium size floors preparation
Light and compact	Easy to transport and carry upstairs
Hand wheel level setting with mini leveller	Quick and easy setting of the machine
Low vibrations level	Easy and comfortable usage



MACHINES SPARE PARTS





MACHINES SPARE PARTS



TILES SAWS



TT180 BM	Item No	EAN 13 Code
Water tray	3103 26009	5450248 371533
TT200 EM	Item No	EAN 13 Code
Switch	3103 01207	5450248 371861
TT250 G	Item No	EAN 13 Code
Guide for diagonal cut	3100 05611	5450248 124177



RAIL TILE SAWS



TR201 E	Item No	EAN 13 Code
Water tray	3100 08300	5450248 208051
Frame with foldable legs	3103 91509 *	5450248 512813
Water pump	3103 37574	5450248 402893
TR230 GS & TR231GL	Item No	EAN 13 Code
Water pump	3103 65204	5450248 411291
Frame with foldable legs (TR230GS)	3103 65226 *	5450248 411376
Switch complete TR230	3103 40138	5450248 511311

* Availability on request.





MASONRY SAWS



CGW	Item No	EAN 13 Code
Water pump	3100 04389	5450248 078784
Complete switch	3100 05263	5450248 118138
Conveyor cart wheels (set of 4)	3100 04676	5450248 098393
Water distributor Y	3100 04233	5450248 071167
Water cock	3100 04262	5450248 071860
Drain plug	3100 05257	5450248 118060
Electric Motor 2,2kW 230V/50Hz 2800 RPM	3100 47701	5450248 351696
Conveyor cart	3100 05262	5450248 119678
CM351	Item No	EAN 13 Code
Water distributor Y	3100 04233	5450248 071167
Drain plug	3100 05257	5450248 118060
Electric Motor 2,2kW 230V/50Hz 2800 RPM	3100 47701	5450248 351696
CM41	Item No	EAN 13 Code
Water pump	3100 04389	5450248 078784
Complete switch	3100 05263	5450248 118138
Conveyor cart wheels (set of 4)	3100 04676	5450248 098393
Water distributor Y	3100 04233	5450248 071167
Drain plug	3100 05257	5450248 118060
Electric Motor 2,2kW 230V/50Hz 2800 RPM	3100 47701	5450248 351696
Conveyor cart	3100 05262	5450248 119678
Front wheel Ø 100mm	3100 05496	5450248 122043
CHW & CHW-T	Item No	EAN 13 Code
Water pump	3100 04389	5450248 078784
Complete switch	3100 07308	5450248 212355
Conveyor cart wheels (set of 4)	3100 07312	5450248 212409
Water distributor Y	3100 04233	5450248 071167
Drain plug	3100 04776	5450248 104056
Water cock	3100 04262	5450248 071860
Electric Motor 2,2kW 230V/50Hz 2800 RPM	3100 64406	5450248 497684
Guide-a-cut aluminium	3100 05685	5450248 125884
JCW	Item No	EAN 13 Code
Mechanical water pump	3100 04237	5450248 071358
Conveyor cart wheels (set of 4)	3100 04676	5450248 098393
Belt XPZ 1600 LW (for JCW 1-30-1 230V)	3103 69466	5450248 440109
Water distributor Y	3100 04233	5450248 071167
Drain plug	3100 05257	5450248 118060
Front wheel Ø 100mm	3100 05496	5450248 122043
Bearings, blade shaft (set of 2)	3100 04470	5450248 082262
CMR351	Item No	EAN 13 Code
Water pump	3100 04389	5450248 078784





CM401	Item No	EAN 13 Code
Water pump	3100 04436	5450248 080909
Conveyor cart wheels (set of 4)	3100 07312	5450248 212409
Belt XPZ 1530LW JCW/ECW/EDW	3100 04357	5450248 077275
Belt XPZ 1500LW	3100 04360	5450248 077411
Belt XPZ 1287LW	3100 03985	5450248 052319
Belt XPZ 562LW	3100 07338	5450248 213147
Complete switch 230V	3100 04332	5450248 075790
Emergency stop (machine with petrol engine)	3100 07361 *	5450248 213086
Drain plug	310004776	5450248 104056
Water cock	3100 04262	5450248 071860
Bearings, blade shaft (set of 2)	3100 04470	5450248 082262
Front wheel Ø 100mm	3100 05496	5450248 122043
CST MODULO	Item No	EAN 13 Code
Water pump	3100 04389	5450248 078784
Complete switch	3100 12041	5450248 231790
Water distributor Y	3100 04233	5450248 071167
Drain plug	3100 05257	5450248 118060
Water cock	3100 04262	5450248 071860
Front wheel Ø 100mm	3100 05496	5450248 122043
Electric Motor 2,2kW 230V/50Hz 2800 RPM	3100 64406	5450248 497684
ISC & ISM	Item No	EAN 13 Code
Belts ZPX 1687 (set of 4)	3100 04311 *	5450248 074311
Conveyor cart sheave + screws	3100 04284	5450248 072867
Drain plug (ISM)	3100 04776	5450248 104056
CM501	Item No	EAN 13 Code
Belt XPZ 1500 LW	3100 04360	5450248 077411
Belts XPZ 1550 for EDW Major 3.55.3, 3.55.3 Duo-Spanning and 3.50.P (set of 2)	3100 04440	5450248 080985
Water pump	3103 25955	5450248 396192
Complete switch 400V	3100 05308	5450248 118923
Conveyor cart wheels (set of 4)	3100 04676	5450248 098393
Water cock	3100 04262	5450248 071860
Conveyor cart complete	3100 05686	5450248 125891
Blade shaft assembled 500mm	3100 05676	5450248 125723
Bearings, blade shaft (set of 2)	3100 04470	5450248 082262
JUMBO 651	Item No	EAN 13 Code
Electric water pump	3103 04383	5450248 449362
Belts (set of 3)	3100 05390	5450248 120049
Complete switch 400V	3100 07485	5450248 215868
Conveyor cart sheave + screws	3100 04284	5450248 072867
Drain plug	3100 05368	5450248 119746
Front wheel 200/50 + brake	3100 05477	5450248 121176
Fixed wheel 200/50 + screws	3100 05368	5450248 119746

* Availability on request.





FLOOR SAWS



C51	Item No	EAN 13 Code
Water cock	3100 04262	5450248 071860
Rear wheel Ø 200mm	3100 05495	5450248 122036
Bearing	3100 04907	5450248 109808
Belts XPZ 562 (Set of 3)	3100 06076	5450248 136446
Water tray	3100 06559	5450248 172451
C71	Item No	EAN 13 Code
Rear wheel Ø 200mm	3100 05495	5450248 122036
Belts XPZ 800 (Set of 4)	3100 04837	5450248 106623
Water tray	3100 06559	5450248 172451
CS451	Item No	EAN 13 Code
Front wheel complete	3100 06552	5450248 172376
Bearing	3100 04907	5450248 109808
Belt Poly-V 10PK 698mm	3103 49309	5450248 398875
Water tank complete	3103 51798	5450248 398882
CS1	Item No	EAN 13 Code
Belts - diesel (set of 4)	3100 04253 *	5450248 071747
Belts - petrol 20Hp (set of 5)	3103 48738	5450248 440956
Belts - petrol 13Hp (set of 4)	3100 06958	5450248 189152
Ø350mm blade guard	3103 69185 *	5450248 448013
Belts - petrol 20Hp (set of 5)	3103 48738	5450248 440956
CS501	Item No	EAN 13 Code
Belt Poly-V 8PK 740 (P13)	3103 26414	5450248 373391
Belt Poly-V 12PK 775 (P15)	3103 26416 *	5450248 373407
Belt Poly-V 12PK 790 (P20)	3103 26417	5450248 373414
Front wheel	3100 04260	5450248 071839
Rear wheel	3100 04261	5450248 071846
Rear wheel Ø 200mm	3100 05495	5450248 122036
CSB1	Item No	EAN 13 Code
Rear wheel + adjusted spring + screws	3100 04873	5450248 108047
Throttle lever (CSB1 P20)	3100 02134	5450248 100904
C99 E 75.3	Item No	EAN 13 Code
V-Belt XPZ 730 LW (set of 4)	3100 06573	5450248 172758
Bearing	3100 04907	5450248 109808
Blade shaft	3100 06564	5450248 172505

* Availability on request.





MACHINES SPARE PARTS



MASONRY SAWS



JUMBO 900 & JUMBO 1000	Item No	EAN 13 Code
Electric water pump (JUMBO 900)	3103 04383	5450248 449362
Mechanical water pump (JUMBO 1000)	3103 15541	5450248 350149
Belts (set of 3)	3100 04503	5450248 082927
Complete switch 400V	3100 07485	5450248 215868
Drain plug	3100 05368	5450248 119746
Lath floor table	3100 05488	5450248 121824
Front wheel 200/50 + brake	3100 05477	5450248 121176
Fixed wheel 200/50 + screws	3100 05368	5450248 119746
Delta-star switch	3100 06618	5450248 173984



CORE DRILLING



ROBO 3004 & ROBO 3504	Item No	EAN 13 Code
Stake	3100 05083 *	5450248 114888
Strap	3100 04989 *	5450248 113201
Exhaust pipe complete	3100 04988	5450248 113195

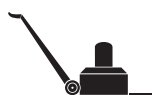
* Availability on request.



POWER FLOATS



MTA36	Item No	EAN 13 Code
Came and arm assembled	3100 04630	5450248 096603



GRINDING MACHINES



CG125	Item No	EAN 13 Code
Replacement brush seal	3103 67376	5450248 413752
CG25 S	Item No	EAN 13 Code
Screws for fixing diamond plate (set of 4pcs)	3103 50607	5450248 471899
Wheel	3103 48177 *	5450248 471905

* Availability on request.



TECHNICAL SUPPORT

1 Conseils de sécurité fondamentaux

La CS1 est exclusivement destinée à la coupe de sols en asphalte, en béton frais ou vieux (armé ou non), ainsi qu'en ciment pour sols. Une utilisation autre - ou élargie - contraire aux conseils du fabricant, sera considérée comme non-conforme. Les dommages en résultant ne pourront incomber au fabricant. Le risque en sera exclusivement pris par l'utilisateur. L'utilisation conforme aux prescriptions comprend également le respect de la notice d'utilisation et des conditions de contrôle et d'entretien.

1.1 Pictogrammes

Des conseils et mises en garde sont représentés par des pictogrammes sur la machine. Vous trouverez les symboles suivants sur la CS1. Voici leur explication :



1.2 Plaque machine

Vous pouvez trouver des informations importantes sur la plaque suivante fixée sur votre machine :



1.3 Conseils de prévention à certaines phases de fonctionnement

Avant le début des travaux

- Familiarisez-vous avec l'environnement sur le lieu d'intervention. Cet environnement de travail comprend, par exemple, les difficultés d'évacuation, les obstacles à la circulation, le respect des charges au sol, le marquage de sécurité nécessaire délimitant le chantier par rapport à la circulation publique et la possibilité d'intervention des secours en cas d'accident.

- Vérifiez régulièrement si les flasques serrent suffisamment le disque.
- Démontez immédiatement les disques déformés ou endommagés, car ils présentent un risque d'accident pendant la rotation.
- Utilisez que des disques diamants NORTON. L'utilisation d'autres outils peut entraîner l'endommagement de la machine.
- Veuillez porter des lunettes de sécurité lors du travail de coupe, et un masque anti-poussière lors de la coupe à sec pour minimiser l'effet de la poussière.
- Pour des raisons de sécurité, ne laissez pas la machine sans surveillance, non attachée ou enlignée.

Lorsque le moteur tourne

- Ne déplacez pas la machine avec le disque en rotation libre pour éviter toute blessure.
- N'utilisez la machine qu'avec son carter de protection de disque fixé.
- Ouvrez l'arrivée d'eau à temps !

Moteur thermique

- Veuillez n'utiliser que le carburant indiqué.
- Dans le cas de travaux dans des locaux non aérés, veillez à l'évacuation correcte de l'échappement du moteur.



TILE SAWS Clippy's advice



> Never force the cutting and allow the blade and the motor torque of the machine to do the work

- Make sure the water pump is properly immersed before the use.
- Clean the water pump and the water tray right after the use to avoid the formation of a solid deposit, to work in full safety and increase the lifespan of the machine.
- On tile saws, make sure that the dividing knife (blade guard support) is properly aligned with the diamond blade to avoid the blocking and the break-in of the tiles.
- Always slow down the infeed speed at the end of the cut to avoid breaking the tile and to obtain a satisfactory quality of cut.

For optimum results, we recommend that you equip your Clipper machines with Norton diamond blades, designed specially for wet cutting of tiles.



TT180 BM table tile saw.



MASONRY SAWS Clippy's advice

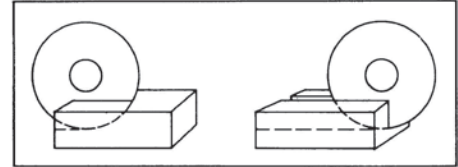


> Cutting methods

• Full depth or fixed cutting

In full depth or fixed cutting, the cutting head is locked in a fixed position and the material is pushed into it as shown.

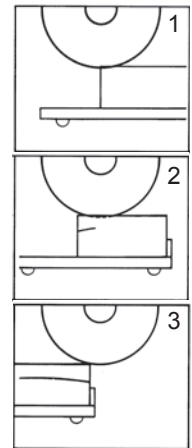
This technique usually provides greater efficiency than merely holding the head down. It works well with wet diamond blades cutting some soft materials. It is less efficient overall than the "Step Cutting" method for most materials, especially when using abrasive blades.



• Multiple step cutting

Multiple step cutting consists of moving the conveyor cart with the material to be cut back and forward under the rotating blade.

- Place the material to be cut on the conveyor cart firmly against the guide-a-cut and the backstop, keeping the hands well away from the blade.
- Start the machine.
- Move conveyor cart forward near the blade and pull down the cutting head until blade is lowered to a point where it will lightly contact the surface of the material.
- Pass the material beneath with rapid full length strokes, taking a shallow cut (approximately 3mm deep as shown on the picture) on the forward. On the backward stroke, lift the blade just clear over the cutting line.
- Complete each rapid stroke backward and forward by passing the material beyond the centre of the blade before starting the reverse movement of the conveyor cart.



NOTE: the harder the material, the more rapid should be the forward and backward strokes.

Step cutting lessens the area of the blade circumference in contact with the material, keeping the blade cool, running free and cutting at peak efficiency.

- Be sure the water pump is plugged into the connection on the masonry saw motor. Make sure the water pump is on before starting a wet-cutting operation.
- Handle on petcock should be turned in line with the water flow. Start motor and be certain that both sides of the blade are getting an adequate flow of water.
- At all times make sure that the water level covers the screen on the bottom of the pump. Do not let sludge and dirt get deep enough in the pan to block the pump inlet.
- Clean the water-tray and the pump after use.
- Adapt the infeed speed applied on the diamond blade and the depth of cut to prevent over-heating and failure of the motor.



FLOOR SAWS Clippy's advice



> Blade selection and mounting

Make sure that the diamond blade specification is selected according to the material to cut and to the power of the machine. Before mounting any blade on the saw, the blade should be inspected for any damage that might have occurred during shipment, handling or previous use.

The blade must be properly fitted over shaft and drive pin. Drive pin must project through hole in blade and into collar. Do not force the blade onto shaft.

The blade guard must always be in place when the saw is running. Always use a proper size blade guard for the size blade being used. The operator should wear safety glasses and appropriate safety equipment at all times.



> Machine maintenance and safety precautions

Total Daily Exposure (C)	< 2,5m/s ²	2,5m/s ² < DE < 5m/s ²	> 5m/s ²
Status	No action needed (D)	Employer must take actions to reduce or eliminate HAV	Employee must not work anymore

The EU Directive 2002/44/EC (the 'Vibration Directive') places responsibilities on employers to ensure that risks from hand-arm vibration are eliminated or reduced to a minimum. It also sets **maximum limits** to the daily exposure to hand-arm vibrations.

Each time you use brand new belts, check and set tension after 1 hour utilisation : poor tension setting is the main cause for early wear out of belts. Check regularly the air-filter, to preserve the life and performance of the engine.

Adequate coolant must be used when sawing with wet cutting diamond blades. An adequate coolant supply is required for wet cutting blades to maintain blade life and cutting efficiency.

If for any reason the blade stalls in the cut, raise the blade out of the cut and check the outside blade shaft collar and nut for tightness before restarting the engine. Inspect the blade for damage. Use care when resuming a cut. Make certain that the blade is in alignment with the previous cut.

Never leave a floor saw unattended while its engine is running. Always secure the saw from rolling when not in use. Operate the engine at the proper RPM. Never alter RPM or governor setting. In case of an EMERGENCY: "SHUT OFF ENGINE."

> Concrete or asphalt sawing methods

During cutting, do not exert excessive side pressure on the handles as a method of steering. Do not force the blade into material by lowering the blade too quickly or by increasing the speed of the saw.

The larger diameter blades, 450mm and above, are systematically used in a step cutting method at cutting depths of 5cm to 8cm in short travel distances of 15 to 20min. This allows the blade to remain in a free cutting condition and can allow for up to 30% reduction of the total cutting time.

For the deepest cuts (> 20cm), it is recommended to make the first cutting-steps with a small diameter diamond blade ($\leq$ 450mm), and then to use a larger diameter diamond blade only for last deepest steps. This procedure preserves the lifespan of the most expensive blade.



> Green concrete sawing methods



Green concrete is cut to control cracking in large concrete floors.

The initial sawing of the concrete is done within a 24 hour period at a depth of 1/3 to 1/4 of the total concrete thickness. Generally 300 and 350mm diameter blades are used with 3 or 4mm widths.

After the initial cut has been made, the joint may require additional widening for the backing rod and/or sealant. This requires a blade diameter of 300 or 350mm in widths up to 10mm. This operation requires sometimes 'Bevel' blades with triangular segments to generate a chamfer on the joint edges.

GRINDING MACHINES Clippy's advice



> Grinding

- When starting a new grinding job, always check the wear of the segments after a while. If the wear is inappropriate, you should consider switching to a more suitable plate specification :

- Important wear : choose the specification with harder metal bond for grinding more abrasive concrete, where aggregates are sunk deep under a layer of cement.
- Glazed segments : choose the specification with softer metal bond for grinding harder concrete, with a lot of exposed aggregates at the surface.



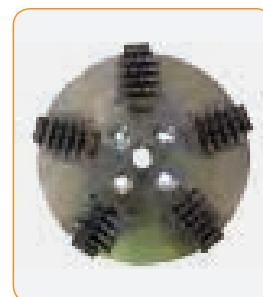
- On hard floors, you need some concrete dust to open your diamond segments faster. You may use one of the motors of the dust collector CV324 for a few seconds to resharpen the segments. You may also wet the floor when grinding extremely hard concrete, it will reduce the glazing of the diamond tools.

- While grinding, make sure that approximately 30-40 % of the grinding head area works on already ground concrete surface, to avoid scratches and get a better surface finish. It also contributes to prevent the glazing of the tools.

> Polishing

- As the floor is not yet perfectly flat, start the process with 2 grinding steps with segmented metal wings. Choose the grit size depending on the concrete hardness (coarser for harder concrete) and the expected finishing quality :

- The rough grit size (20) is for removing soft/elastic materials.
- Grit size 40 is for regular use.
- Grit size 80 is for opening up hard materials.
- The fine grit size 150 is second or third step for polishing.



- If you want to polish up to the stones, the first step is 30/40. If you only want to polish the top layer, the first step will be 60/80.

- If for any reason, one of the segments breaks on the wing/disc, change all the wings/discs because it causes vibrations, and would damage the rest.

- Then, switch to the resin polishing pads, and run 3 to 5 polishing steps depending on the final surface finish expected.

Use the machine with CV324 dust collector, for a dust free, healthy and comfortable working environment.



POP 100
Grit 100



POP 200
Grit 200



POP 400
Grit 400



POP 800
Grit 800



POP 1500
Grit 1500



POP 3000
Grit 3000



DRILLING Clippy's advice



The performance of any diamond core bit depends heavily on the use of proper drilling techniques. Although drilling conditions and materials may vary, following specific guidelines and safety precautions ensures safe, faster drilling speed and longer bit life.

IMPORTANT:

Always wear proper safety equipment; wear safety glasses, safety footwear, hearing and head protection, and respiratory equipment where required.

> Core Drilling Techniques

Drilling can be made with handheld or fixed equipment.

Handheld drilling has the advantage to require less preparation and is a faster operation, but is recommended for drilling diameters up to 150mm only. Handheld motors safety clutch are designed to protect the end-user against hand-arm injuries and are thus fitted to much less torques than for a fixed drilling operation.

Fixed drilling requires more preparation work to fasten properly the equipment, but then allows much larger drilling diameters with non-limited torques.

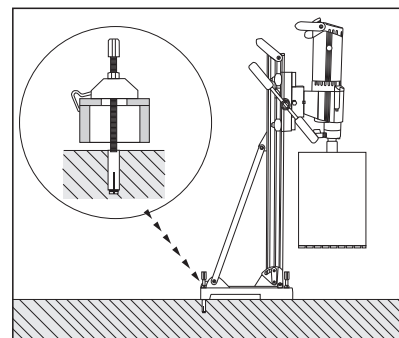
You can consult our product selection charts to choose the best tool for each of your requirements.

> Drill rig fastening

Secure the core drill to the work surface so that there is no movement in the drill that would allow the bit to bind in the hole. There are three main fixing methods :

• Dowel fixing

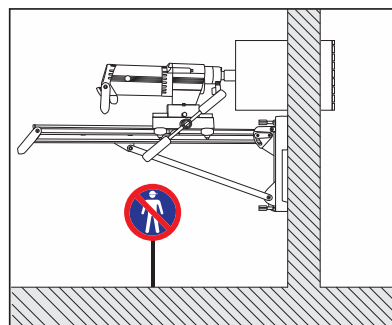
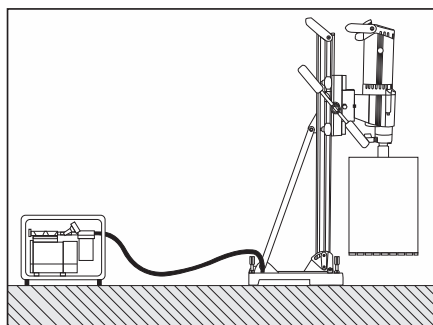
- . Measure and mark clearly both the drilling location and drill rig fastening hole.
- . Select the right type of dowel adapted to the material to drill.
- . Use dowel installation tool with a hammer to ensure the dowel is perfectly tighten into the material.
- . Position the drill rig over the drilling location, using the laser pointer.
- . Tight and adjust the drill rig using the 3 adjusting screws and the spirit-level.



• Vacuum fixing

CAUTION : vacuum fixing requires a solid and flat surface to ensure the best safety for the operators. Make sure the surface won't break or detached under the weight of the drilling equipment.

- . Measure and mark clearly the drilling location.
- . Position the vacuum base and plug it to the vacuum pump. Ensure the vacuum purge tap is closed.
- . If required, add some weight or pressure above the vacuum base to help generating the vacuum.
- . Fix the threaded rod to the vacuum base and position the drill rig over the drilling location, using the laser pointer.
- . Tight and adjust the drill rig using the 3 adjusting screws and the spirit-level.



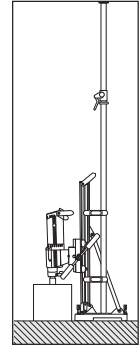
DRILLING Clippy's advice



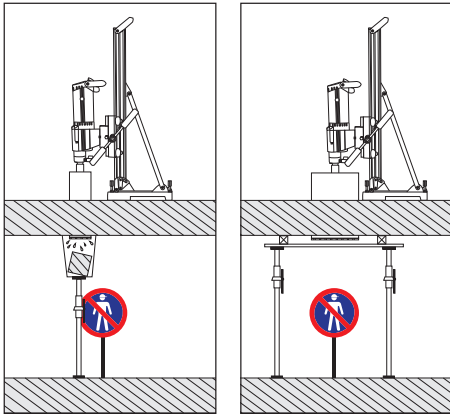
• Brace fixing

CAUTION : brace fixing requires a solid surface on both ends of the brace to ensure the best safety for the operators. Make sure the surface won't break or detach under the strength of the brace tightening.

- . Measure and mark clearly the drilling location.
- . Position the drill rig and fix it with the brace. You can position the telescopic brace either on the top of the column or directly on the drilling base.
- . Tight and adjust the drill rig using the 3 adjusting screws and the spirit-level.



> Core Drilling Operation



- . Mount the drilling motor on the rig.
- . Use a quick-release ring between the motor and corebit to prevent blockage after work.
- . Set the proper rotation speed depending on the drilling diameter.
- . Plug to water supply and set a sufficient supply of water to ensure that hole will be constantly flushed of abrasive slurries.
- . Plug the three-pronged plug (PRCD) on the power cord of the motor into a grounded electrical outlet of the appropriate voltage.
- . Slowly lower the bit into the cut so that there is no skidding or lateral movement of the drill bit. The entire circumference of the core bit should penetrate the drilling surface before additional pressure is applied to the handle.
- . Exert steady downward pressure on the bit while drilling. Do not force the bit into the material.
- . Do not stop the flow of water or the rotation of the bit as long as the bit is in the hole. If the drilling rate decreases noticeably, check the core bit. The slower penetration rate generally means that the bit is dull and needs to be reconditioned.

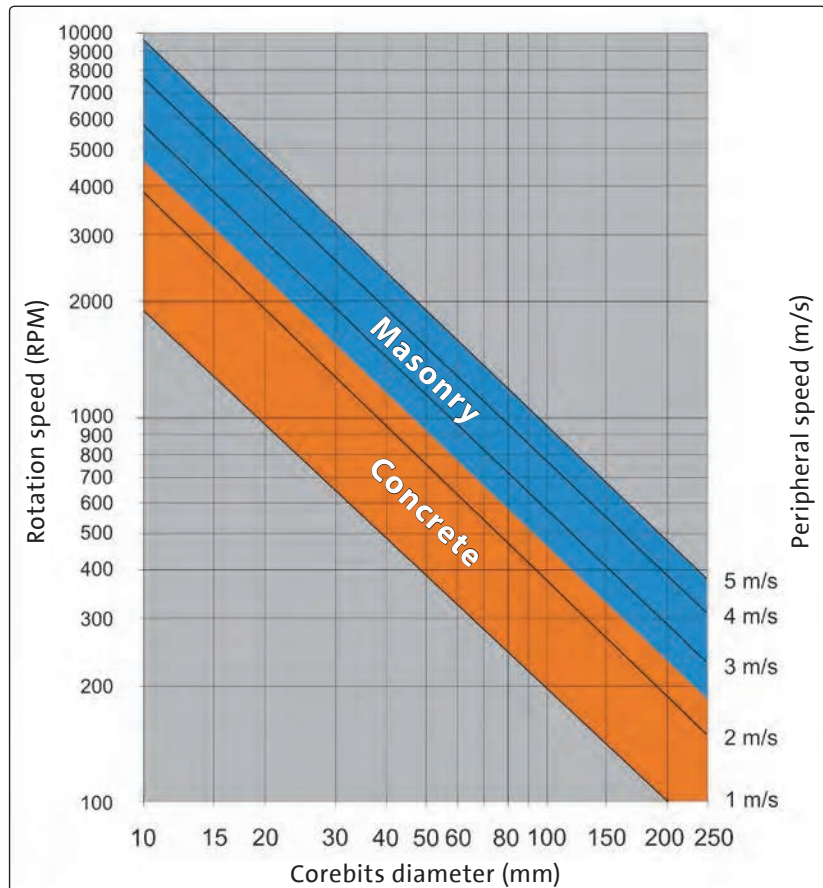
In most cases, core drilling requires the use of water. Properly ground the core drill, as the use of any electrical tools in wet areas can be hazardous.

The core drill must be securely fastened to the intended work surface (wall, deck, etc.), using anchor bolts, vacuum pad or jack screw.

Use extreme caution when drilling through floors. Check for electrical conduit.

Provide protection for all personnel and materials below the areas being drilled.

> Optimal RPM for diamond core bits





SAFETY RECOMMENDATIONS FOR THE USE OF DIAMOND TOOLS



Safety Information and Advice - Read these instructions to ensure the products are used correctly and safely...

ALWAYS :

- Observe the safety recommendations of the machine and diamond tool manufacturer.
- Exercise care when handling diamond tools.
- Keep the working area well lit, clean and tidy. Avoid slippery and uneven floors and ice or snow.
- Ensure other workers in the vicinity and passers-by are protected from sparks and debris.
- Store diamond tools on a full, flat surface, hung on a peg or in suitably constructed racks. Lightly lubricate to prevent rusting.
- Visually check the diamond tool for damage such as core cracks and missing or deformed segments.
- Check that the diamond tool is suitable for the application and that the markings are intact and legible.
- Use the correct tools at all times when mounting or removing a diamond tool.
- Observe direction of run markings.
- Ensure mounting flanges are in matched pairs, clean, free from burrs and undistorted.
- Ensure an adequate coolant supply to both sides of the diamond tool if cutting wet.
- Ensure that the workpiece is secure and cannot move whilst being cut.
- Ensure guards are in position and correctly adjusted so that they do not foul the diamond tool.
- Rotate the diamond tool manually to ensure that it runs true and freely before turning on the power.
- Wear suitable protective clothing.
- Observe the operating speed recommended by the diamond tool or machine manufacturer.
- Run the diamond tool for at least 30 seconds at maximum operating speed after mounting or re-mounting diamond tools.
- Ensure the diamond tool is running true and without vibration. Check frequently for undercutting or loss of tension.
- Allow the diamond tool to come to rest naturally after turning off the machine.
- Ensure machine spindle speed is checked periodically using a tachometer.
- Ensure that the diamond tool is removed before transporting or storing portable and mobile machines.
- Be aware of the possible risks when using diamond tools, especially cutting debris, sparks, fumes, dust, noise, vibrations...



Diamonds products are dangerous if they are misused. Use products bearing the oSa® logo to minimise accidents due to unsafe abrasives.

NEVER :

- Permit untrained people to handle, store, mount or use diamond tools.
- Mount or remove a diamond tool until the machine has been isolated from its power source.
- Mount a diamond tool that cannot be identified or one which does not bear the correct marking.
- Mount a diamond tool on a machine running at a speed higher than the maximum operating speed of the diamond tool or mount on a machine which does not bear its spindle speed.
- Use diamond tools for cutting metal unless specifically designed to do so.
- Mount a diamond tool that has been dropped, damaged or incorrectly stored.
- Apply force to fit the diamond tool on the mounting device, fit diamond tools with oversized bores or alter the bore size.
- Use drive pins or blotters to prevent slippage on hand-held diamond tools (risk of blockage).
- Tighten flanges with excessive force or use a hammer or extension.
- Use damaged, distorted or dirty flanges and fastening screws.
- Use a machine which is not in good condition or one with a damaged guard.
- Turn on the machine until the wheel guard has been re-fitted, secured and adjusted correctly.
- Stand in the line of the diamond tool when starting the motor after fitting or re-fitting a diamond tool.
- Start the diamond tool in contact with the workpiece or any other object.
- Work from a ladder or in a position where you do not have full control of the machine.
- Force the diamond tool to cut or allow it to overheat.
- Try to cut curves, turn in the cut or grind with a diamond tool that is not designed to do so.
- Allow the diamond tool to bounce or be trapped or pinched in the cut.
- Press against the diamond tool surface to stop it or put down a machine until the diamond tool has stopped running.
- Leave the coolant running on a stationary diamond tool or leave the diamond tool running on an unattended machine.
- Re-tip diamond tools which are not suitable for this.
- Use diamond tools for dry cutting on hand-held machines, unless specifically authorised.

THE BLADE & MACHINE MARKING SYSTEMS

Product Name

Wet or Dry cutting

Know what the blade is designed for
For dry cutting (☀️)
For wet cutting (💧)

Laser Welded Logo

Laser welded segments guarantee maximum safety during use.

European Standards

Conforms to standard EN 13236 and Founder Member of oSa (Organisation for the Safety of Abrasives).

Material Pictogram

To know clearly what type of materials the blade can cut.

Stars Pictogram

Indicates the CLIPPER Range of the blade (see page 12).

Diameter and Bore (hole) size

Ensure the sizes are correct for your machine.

Bar code

Identification of the blade.

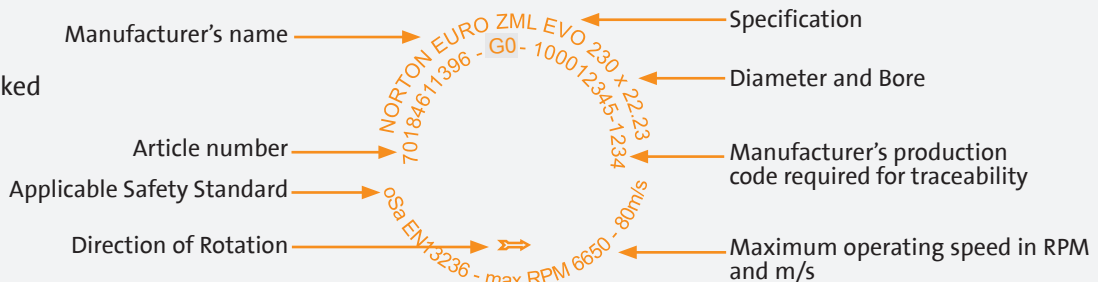
Machine Pictogram

Indicates the type of machine.

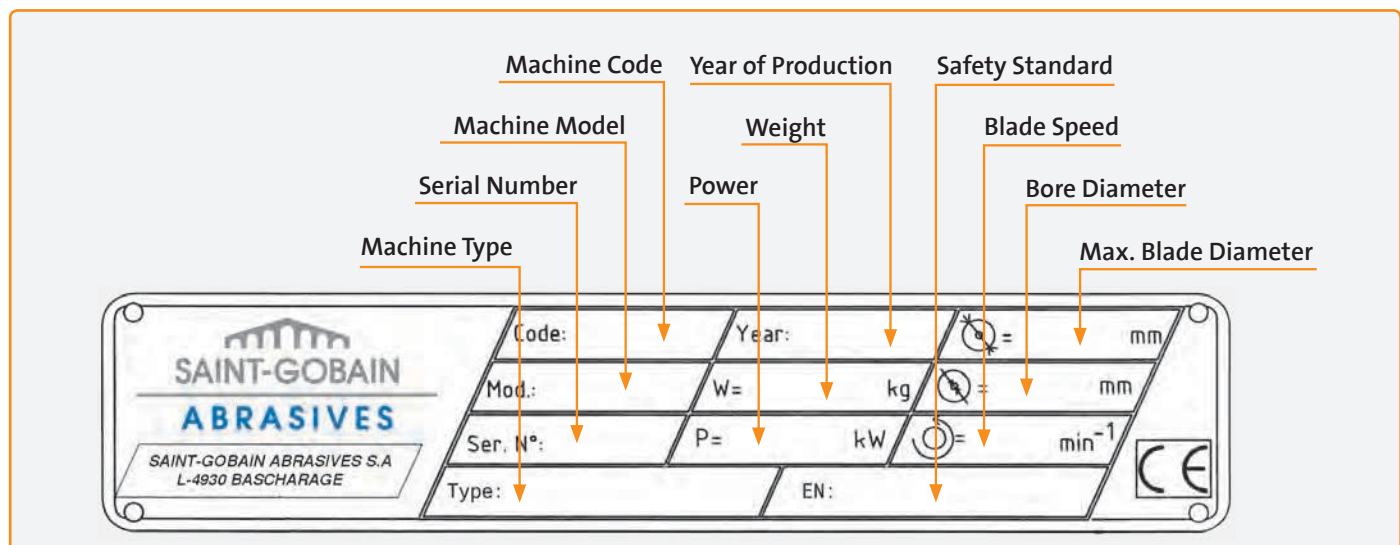
Safety and Restrictions of Use

Information of what safety equipment must be used and restrictions of use.

Laser engraving (on reverse side) : permanently marked product details.



SAFETY & INFORMATION PICTOGRAMS :





THIN WHEELS Clippy's advice



SHAPE SPECIFICATION SYSTEM

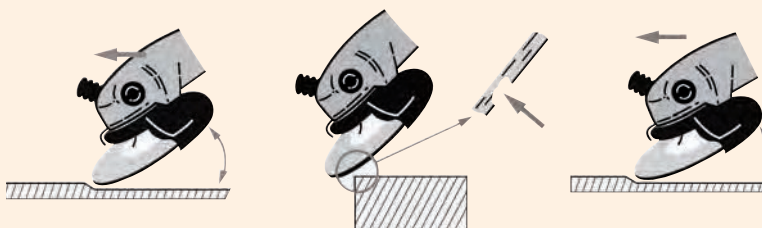
BF 27	BF 29	BF 41	BF 42
Depressed centre grinding wheels. Available in diameters 76-230mm for hand-held machines	Depressed centre grinding wheels. Available in diameters 115mm & 125mm for hand-held machines	Flat cutting-off wheels. Available in diameters 40-400mm for hand-held machines & 250-400mm for stationary machines	Depressed centre cutting-off wheels. Available in diameters 76-230mm for hand-held machines
Application: grinding	Application: grinding	Application: cutting-off	Application: cutting-off

RECOMMENDED PRACTICE

PORTABLE GRINDERS

GRINDING Rough Work

- Do not use a cutting-off wheel for snagging
- Do not work with the side of a wheel, you will cut the reinforcing cloths
- Work at an angle of 10 to 30° with a longitudinal action



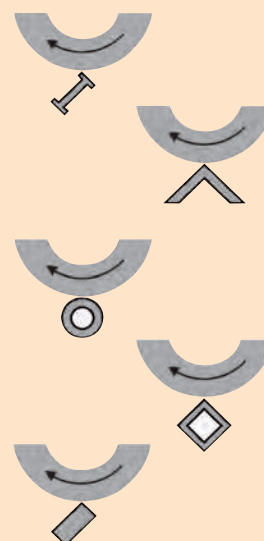
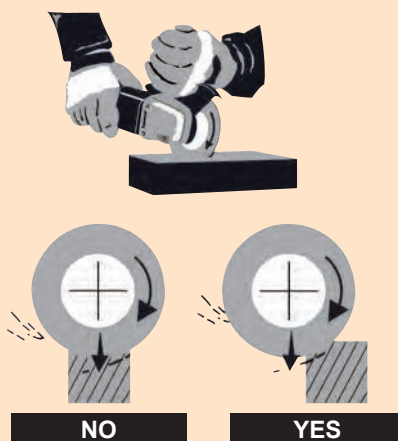
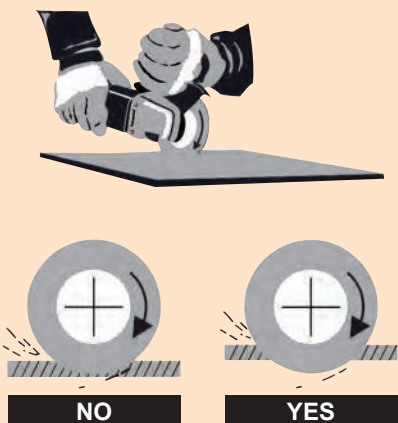
GRINDING Finishing Work

- Angle of work 15°
- Rotary action



CUTTING-OFF

- Arrange the workpiece so that a uniform section can be cut



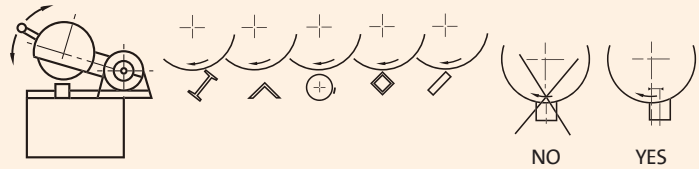


THIN WHEELS Clippy's advice

FIXED MACHINE

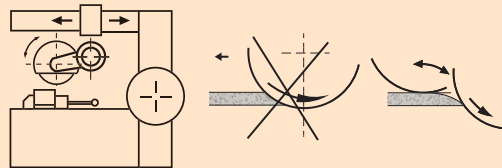
DOWNSTROKE HEADS

- Lay out the shape parts in order to have a constant section
- Avoid any wedging of the grinding wheel
- Make sure the wheel is cleared



AUTOMATIC FEED

- In the case of thick parts, use the reciprocating motion of the carriage

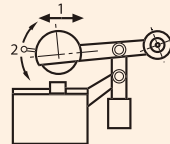


OSCILLATING HEADS

OPERATING MODE

- 1 – Oscillating
- 2 – Cutting-off

- Do not use this type of machine with a downstroke action





SAFETY : THE NUMBER 1 PRIORITY FOR NORTON

Diamond Tools & Thin Wheels

Users of diamond tools and abrasives should be aware that these products rotate at extremely high speeds for efficient operation. Care must therefore be taken in order not to abuse these tools. The risk of product failure is increased with low quality products that are not designed and manufactured to conform to the respective standards and regulations in place. Such non-conforming products may not withstand mechanical loads and heat generated during use.

EN13236 > EN13236 - Standards for Diamond tools



The European Standard EN13236 governs the safety requirements for super abrasive (diamond) products. User safety has always been NORTON's top priority. NORTON and Saint-Gobain Abrasives have taken an active role in the compilation of this safety standard, through the FEPA, the Federation of European Producers of Abrasives.

EN12413 > EN12413 - Standards for Thin Wheels abrasives (cutting and grinding discs)



This standard highlights that these types of cutting and grinding discs have a use by date. This "use by" date must be permanently marked into the central metal rim of every disc.



> oSa

In 2000, NORTON and Saint-Gobain Abrasives was one of the founding members of the Organisation for Safety of Abrasives (oSa). All member companies of oSa have to implement strict manufacturing, safety and quality standards that comply with the requirements of EN13236 and EN12413, and are regularly audited to ensure conformity. The oSa symbol displayed on an abrasive or diamond product is a further guarantee to the user of product safety and quality.

OPERATING SPEEDS

MAXIMUM OPERATING SPEED		
Diameter	Max. m/s	Max. RPM
Ø 100mm	80	15300
Ø 115mm	80	13300
Ø 125mm	80	12250
Ø 150mm	80	10200
Ø 180mm	80	8500
Ø 200mm	80	7650
Ø 230mm	80	6650
Ø 250mm	100	7650
Ø 300mm	100	6400
Ø 350mm	100	5500

Machines

Our philosophy concerning design and manufacturing of NORTON CLIPPER machines is aligned with diamond tools and abrasives approach.

We provide operating devices which will both comply with safety standards and ensure high level of performance even in extremely difficult conditions.

Of course our machines comply with the following European Directives:

> European Directive 2006/42/EC on machinery

This Directive provides the regulatory basis for the harmonisation of the essential health and safety requirements for machinery at European Union level. It guarantees a high level of protection to EU workers and citizens.

> Low Voltage Directive 2006/95/EC

Part of our products range includes electrical motors, and our design complies with Low Voltage European directives. As for all directives, we even do more than requested to provide our customers highly reliable and safe working conditions.

> Electromagnetic Compatibility Directive 2004/108/EC

In the construction business, CLIPPER machines are used in many places, close to either professional or domestic equipments which can be sensitive to electromagnetic disturbances. We take this risk into account and can ensure that our design complies with Electromagnetic Compatibility European Directive.

Saint Gobain Abrasives is actively involved in the elaboration of specific Safety Regulations and Standards like type C harmonized European standards issued from the European Directive 2006/42/EC on machinery :

EN 12418 Masonry and stone cutting-off machines for job site – Safety

EN 13862 Floor cutting-off machines – Safety

EN 12348 Core drilling machines on stand – Safety

EN 15027 Transportable wall saw and wire saw equipment for job site – Safety

EN 12649 Concrete compactors and smoothing machines – Safety

In addition to regulations and formal aspects, our engineers have a strong understanding of customers' applications in the field. They work together with our Customer Service to consider or even anticipate potential risks and design the safest way.



NORTON certifies that all diamond products fully comply with the requirements of EN13236 and the requirements of oSa.

NORTON certifies that all their abrasive cutting and grinding discs fully comply with the requirements of EN12413.

NORTON strongly advises users not to use products that do not carry the symbols of EN13236, EN12413, FEPA or oSa.

AFTER-SALE

- By choosing CLIPPER machines, diamond blades or core bits, you are choosing quality products designed for professional users. All machines and related accessories are guaranteed for one year (excluding normal wear).
- All CLIPPER products quality criteria are checked during manufacturing process. If, despite quality checks, during the first year following purchase, any fault arises due to a hidden defect or a manufacturing fault, your CLIPPER machine must be returned complete to the sales outlet where you purchased it, together with your invoice or sales receipt.
- After testing with its accessories by the sales outlet's after-sales service, the machine can be shipped for repair to your nearest CLIPPER after-sales service or to the CLIPPER after-sales service European Center at the following address:

 SAINT-GOBAIN ABRASIVES
 190, Bd JF Kennedy
 L-4930 Bascharage
 GD LUXEMBOURG
 Tel : +352 50401 1 - Fax : +352 501633
- In order to optimise repair efficiency, a detailed description of machine issue will be highly appreciated. A standard CLIPPER Repair Form is available on www.construction.norton.eu.
- In case of an internal combustion motor issue, motor manufacturer or its local dealer can be directly contacted, which will save time.
- If the warranty applies, the CLIPPER after-sales service will return at its own expense the repaired and tested machine to the sales outlet. In case warranty doesn't apply due to incorrect use of the machine, a quotation for repair will be sent for approval before repair.
- The repaired machine will be guaranteed for the time remaining until expiry of the original guarantee.

SAINT-GOBAIN ABRASIFS S.A.
 B.P. 8 - Rue de l'Ambassadeur
 78 702 CONFLANS CEDEX
FRANCE
 Tel : +33 (0)1 34 90 40 17
 Fax : +33 (0)1 39 19 76 24
sales.nlx@saint-gobain.com

SAINT-GOBAIN ABRASIVES BV
 Groenloseweg 28
 7151 HW Eibergen
 P.O. Box 10
 7150 AA EIBERGEN
THE NETHERLANDS
 Tel : +31 545 466466
 Fax : +31 545 474605

SAINT-GOBAIN ABRASIVES N.V.
 Heide 10
 1780 WEMMEL
BELGIUM
 Tel : +32 2 267 21 00
 Fax : +32 2 267 84 24

SAINT-GOBAIN ABRASIFS
 LOB 17 - Office 404 / 405
 Jebel Ali Free Zone Area
 PO BOX 18260 - DUBAI
UNITED ARAB EMIRATES
 Tel : +971 4 88 17 836
 Fax : +971 4 88 73 210
abrasives-emea@saint-gobain.com

SAINT-GOBAIN ABRASIFS, S.A.
 2 allée des Figuiers
 Ain Sebaâ - CASABLANCA
MOROCCO
 Tel : +212 5 22 66 57 31
 Fax : +212 5 22 35 09 65
salesmaroc@saint-gobain.com
www.norton.eu

SAINT-GOBAIN ABRASIVES Russia
 105082, РОССИЯ, Москва,
 Ул. Фридриха Энгельса, д. 58,
 строение 2, 2-й этаж
 Телефон: +7 495 220 07 45
 +7 495 937 32 23
 Факс: +7 495 937 32 24 / 17

SAINT-GOBAIN ABRASIVES Kft.
 Bányalég u.60/B.
 1225 Budapest
HUNGARY
 Tel : +36 1 371 2250
 Fax : +36 1 371 2255
nortonbp@axelero.hu
www.norton.eu

SAINT-GOBAIN ABRASIVES S.r.o.
 Vinohradská 184
 CZ-130 52 PRAHA 3
CZECH REPUBLIC
 Tel : +420-2-67 13 20 26-7
 Fax : +420-2-67 13 20 21-2
info@sgabrasives.cz
www.sgabrasives.cz

SAINT-GOBAIN HPM POLSKA Sp. z o.o.
 ul. Toruńska 239/241
 62-600 KOŁO
POLAND
 Tel : +48-63-261 75 36
 Fax : +48-63-272-0401

SAINT-GOBAIN ABRASIVI SRL
 Parc Industrial Holrom
 Drum Carei Nr.11
 447355 VETIS JUD. SATU-MARE
ROMANIA
 Tel : +40 261 839 709
 Fax : +40 261 839 710



TROUBLESHOOTING DIAMOND PRODUCTS

BLADE WORN OUT-OF-ROUND

Worn out shaft bearings on saw.	Install new blade shaft bearings.
Machine spindle worn out. A groove may have been scored on the spindle as a result of previous blade spinning on the spindle.	Replace worn out spindle.
Blade slipping on spindle.	Tighten spindle nut on the machine. Make certain the drive pin is fitted and functioning where required.
Bond too hard for material causing blade to "pound".	Use proper blade specification, a softer bond blade maybe required.
Blade being pushed to hard and not allowed to cut – causes bouncing and will lead to blade going out of round.	Slow down traverse rate or reduce depth of cut.
Blade spindle speed too high – causing polishing and causing blade to act hard and bounce.	Reduce spindle speed to recommended RPM.

UNEVEN SEGMENT WEAR

Insufficient water flow, generally on one side of the blade, which reduces side clearance.	Check pipes are clean and correctly positioned. Make certain that adequate clean water is being equally distributed to both sides of the blade.
Equipment defect, which causes the blade to wear out of round.	Replace bad bearings, worn out machine spindle or realign spindle. On concrete saws, ensure the engine runs smoothly, to prevent harmonic vibrations, which in turn cause the blade to pound on a regular cycle basis.
Saw head misaligned.	Check saw head alignment both vertically and horizontally.

PREMATURE WEAR OF STEEL CENTRE

Steel centre wears away faster than the diamond segment.	If material cut is very abrasive, a blade with undercutting protecting segments should be used.
Highly abrasive particles are being generated during cutting.	Use sufficient water to flush swarf out of cut.
1. Hammer segment. 2. Double height segment. 3. Slant segment.	Caution: Wear-retardant cores are not always the final answer to eliminate undercutting. Blades should be inspected periodically during use.

STEEL CENTRE LOSS OF TENSION

Blade core has been overheated.	Provide proper amount of water to both sides of the blade. Make sure water pump is producing sufficient water, that no blockage occurs in water lines, and pipes are correctly positioned.
Blade core has been overheated as a result of blade spinning on spindle.	Check spindle and arbor hole for damage. Tighten spindle nut and make certain that the drive pin is present and functioning on floor saws.
Blade core has been overheated because of blade core rubbing side of material being cut.	Properly align machine to allow straight cutting. Avoid twisting the blade in cut. Maintain a strong grip on saw. Make certain that spindle RPM is correct so that blade operates at its recommended speed.
Unequal pressure on flanges.	Flanges should be of identical and the correct diameter and cleaned regularly.
Machine spindle RPM does not match recommended blade RPM.	If spindle speed is too high blade will act hard and overheat, use correct spindle speed for blade diameter.

BLADE IS WOBBLING

Blade mounted on a damaged or worn machine.	Check for damaged or worn out bearings, bent or worn out blade spindle. Also check flanges to make sure they are clean, flat, and of the manufacturer's recommended diameter.
Blade being run at improper operating speed (RPM).	Make sure that the spindle is turning at the proper RPM to match the recommended speed for the diameter of blade. Use a tachometer to make certain the machine spindle is set at the proper operating speed.
Blade bent.	Do not use, contact manufacturer.

ARBOR HOLE OUT-OF-ROUND

Blade flanges are not properly tightened, causing blade to rotate or vibrate on spindle.	Tighten spindle nut and make certain blade is adequately secured to prevent rotation on spindle.
Worn out, bent or dirty flanges which do not allow proper blade clamping.	Clean or replace flanges, make sure they are not worn out, and tighten spindle nut properly.
Blade not properly mounted.	Ensure that the blade is mounted on the proper diameter of spindle.

SHORT BLADE LIFE

Using the wrong blade on a specific material.	Use the proper blade specification, as recommended by the manufacturer, depending on your machine power and the hardness and type of material cut.
Worn blade shaft bearings, worn blade arbor or misaligned machine spindle.	Replace defective parts.
Loss of power, resulting from loose or damaged drive belts.	Tighten or replace drive belts.
Inadequate water flow to the blade.	Make sure water hoses are clean and free from any blockages. Ensure clean and correct water flow based on the blade diameter.
Power of the machine is too high for the specification.	Refer to the application chart to define the proper specification and bond hardness to be used based on the power of your saw.
Machine spindle speed too low for blade diameter.	Use correct speed/set up for blade diameter or use a larger blade.

BLADE WILL NOT CUT

Blade is too hard for the material being cut (improper blade specification).	Refer to blade application chart for the proper blade specification based on the machine power and type and hardness of the aggregate.
Blade has glazed over, probably as a result of being used on a too hard material or cutting too deep in one pass.	Sharpen the blade by cutting softer abrasive material to expose diamonds. If continual sharpening is required, this would indicate that the blade specification is too hard for the material being cut.
Blade rotation speed too high.	Use the correct spindle speed (RPM) for the diameter of blade.
Cutting too deep in one pass.	Cutting in multiple passes is often required.
Allow the diamond to do the work.	Pushing the diamond tool too hard will cause the diamond to polish and stop working.

SEGMENT LOSS

The material and/or saw was not held firmly, which caused the blade to twist or jam in the cut.	Hold material or saw firmly.
Not sawing in a straight line with overcorrecting caused the blade to twist or jam in the cut.	Properly align saw to allow straight cutting, avoid twisting the blade in the cut.
Defective flanges which cause the blade to flutter in the cut or fail to properly support the blade in perfect alignment.	Clean foreign material from flange surfaces, or replace flanges if they are under manufacturer's recommended diameter or are bent or deformed.
Blade is too hard for material being cut causing the segment to glaze over. The segment separated due to impacts or fatigue.	Use the proper blade specification for the material being cut.
Overheating due to inadequate supply of coolant (water or air). This usually comes with discolorations on the core in the area of segment loss. Overheating of blades may cause core cracks or segment loss.	Wet cutting – provide adequate water flow on both sides of the blade. Dry cutting – periodically allow blades to run out of the cut. The blade will cool in a few seconds so that sawing may continue.
Under cutting on steel centre.	Segments suffer undercutting from abrasive material or inadequate water supply. Use undercutting protection or increase water flow. If in doubt return blade for inspection.
Power of the machine is too high for the specification.	Refer to the application chart to define the proper specification to be used based on the power of your saw.

CRACKS IN SEGMENT

Blade is too hard for material being cut.	Use blade with softer bond.
---	-----------------------------

SAINT-GOBAIN ABRASIVES N.V.
HEIDE 10
1780 WEMMEL
BELGIUM
TEL: +32 2 267 21 00
FAX: +32 2 267 84 24

SAINT-GOBAIN ABRASIVES, S.R.O.
VINOHRADSKÁ 184
130 52 PRAHA 3
CZECH REPUBLIC
TEL: +420 267 132 026
+420 267 132 029
FAX: +420 267 132 021-2

SAINT-GOBAIN ABRASIVES A/S
ROBERT JACOBSENS VEJ 62A
2300 KØBENHAVN S
DENMARK
TEL: +45 4675 5244

PO BOX 643706
FORTUNE TOWER OFFICE 2106
JLT BLOCK C
(NEXT TO METRO STATION)
JUMEIRA LAKE TOWER, DUBAI
UNITED ARAB EMIRATES
TEL: +971 4 431 5154
FAX: +971 4 431 5434

SAINT-GOBAIN ABRASIFS
RUE DE L'AMBASSADEUR - B.P.8
78 702 CONFLANS CEDEX
FRANCE
TEL: +33 (0)1 34 90 40 00
FAX: +33 (0)1 39 19 89 56

SAINT-GOBAIN ABRASIVES GMBH
BIRKENSTRASSE 45-49
D-50389 WESSELING
GERMANY
TEL: +49 (0) 2236 703-1
+49 (0) 2236 8996-0
+49 (0) 2236 8911-0
FAX: +49 (0) 2236 703-367
+49 (0) 2236 8996-10
+49 (0) 2236 8911-30

FÜR DEN FACHHANDEL
ÖSTERREICH
TEL: +43 (00) 662 430 076

SAINT-GOBAIN ABRASIVES KFT.
1225 BUDAPEST
BÁNYALÉG U. 60/B.
HUNGARY
TEL: +36 1 371 22 50
FAX: +36 1 371 22 55

SAINT-GOBAIN ABRASIVI S.P.A.
VIA PER CESANO BOSCONI 4
I-20094 CORSICO MILANO
ITALY
TEL: +39 02 44 851
FAX: +39 02 44 78 266

SAINT-GOBAIN ABRASIVES S.A.
190 RUE J.F. KENNEDY
L-4930 BASCHARAGE
GRAND DUCHE DE LUXEMBOURG
TEL: +352 50 401 1
FAX: +352 50 16 33
NO. VERT (FRANCE) 0800 906 903

SAINT-GOBAIN ABRASIFS, S.A.
2 ALLÉE DES FIGUIERS
AIN SEBAÂ - CASABLANCA
MOROCCO
TEL: +212 5 22 66 57 31
FAX: +212 5 22 35 09 65

SAINT-GOBAIN ABRASIVES BV
GROENLOSEWEG 28
7151 HW EIBERGEN
P.O. BOX 10
7150 AA EIBERGEN
THE NETHERLANDS
TEL: +31 545 466466
FAX: +31 545 474605

SAINT-GOBAIN ABRASIVES AS
POSTBOKS 11, ALNABRU,
0614 OSLO
BROBEKKVEIEN 84,
0582 OSLO
NORWAY
TEL: +47 63 87 06 00
FAX: +47 63 87 06 01

SAINT-GOBAIN HPM POLSKA SP. Z O.O.
UL. TORUŃSKA 239/241
62-600 KOŁO
POLAND
TEL: +48 63 26 17 100
FAX: +48 63 27 20 401

SAINT-GOBAIN ABRASIVOS, L. DA
ZONA INDUSTRIAL DA MAIA
I-SECTOR VIII, NO. 122
APARTADO 6050
4476 - 908 MAIA
PORTUGAL
TEL: +351 229 437 940
FAX: +351 229 437 949

SAINT-GOBAIN ABRASIVI SRL
PARC INDUSTRIAL HOLROM
DRUM CAREI NR. 11
447355 VETIS JUD. SATU-MARE
ROMANIA
TEL: +40 261 450 009
FAX: +40 261 750 010

SG HPM RUS
58, F. ENGELS STR.
STROENIE 2
105082 MOSCOW
RUSSIA
TEL: +74 955 408 355
FAX: +74 959 373 224

SAINT-GOBAIN
ABRASIVES (PTY) LTD
2 MONTEER ROAD
ISANDO 1600
P.O. BOX 67
SOUTH AFRICA
TEL: +27 11 961 2000
FAX: +27 11 961 2184/5

SAINT-GOBAIN ABRASIVOS, S.A.
CTRA. DE GUIPÚZCOA, KM. 7,5
E-31195 BERRIOPLANO (NAVARRA)
SPAIN
TEL: +34 948 306 000
FAX: +34 948 306 042

SAINT-GOBAIN ABRASIVES AB
BOX 495
SE-191 24 SOLLENTUNA
SWEDEN
TEL: +46 8 580 881 00
FAX: +46 8 580 881 01

SAINT-GOBAIN ABRASIVES
MUEYYETZADE MAH.
GALIPDEDE CAD. NO:99, KAT:3
34425 BEYOGLU-ISTANBUL-
TURKEY
TEL: 0090-212-245 85 21
FAX: 0090-212-245 85 27

SAINT-GOBAIN ABRASIVES LTD.
DOXEY RD
STAFFORD
ST16 1EA
UNITED KINGDOM
TEL: +44 1785 222 000
FAX: +44 1785 213 487

www.construction.norton.eu

Saint-Gobain Abrasives S.A.
190 Bd J.F. Kennedy
L-4930 Bascharage
Luxembourg
Tel: +352 50401 1
Fax: +352 50163 3
sales.nlx@saint-gobain.com

Norton is a registered trademark of Saint-Gobain Abrasives.
Form # 2252

