



clipper[®]

ABRASIVE SOLUTIONS

BUILDING & CONSTRUCTION

2018

Reshaping
your
world.



NORTON

SAINT-GOBAIN

clipper



Reshaping
your
world.

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RESHAPING THE FACE OF CONSTRUCTION

NORTON CLIPPER PROVIDES A ONE-STOP SHOP FOR ALL CUTTING, DRILLING, GRINDING AND SANDING JOBS WITHIN THE BUILDING AND INDUSTRIAL CONSTRUCTION MARKETS.

From residential and habitat projects to large scale civil engineering ventures and everything in between – we can equip you with the safest and highest performing construction blades, machines and abrasives that not only help to improve your personal comfort but contribute to a greener environment.

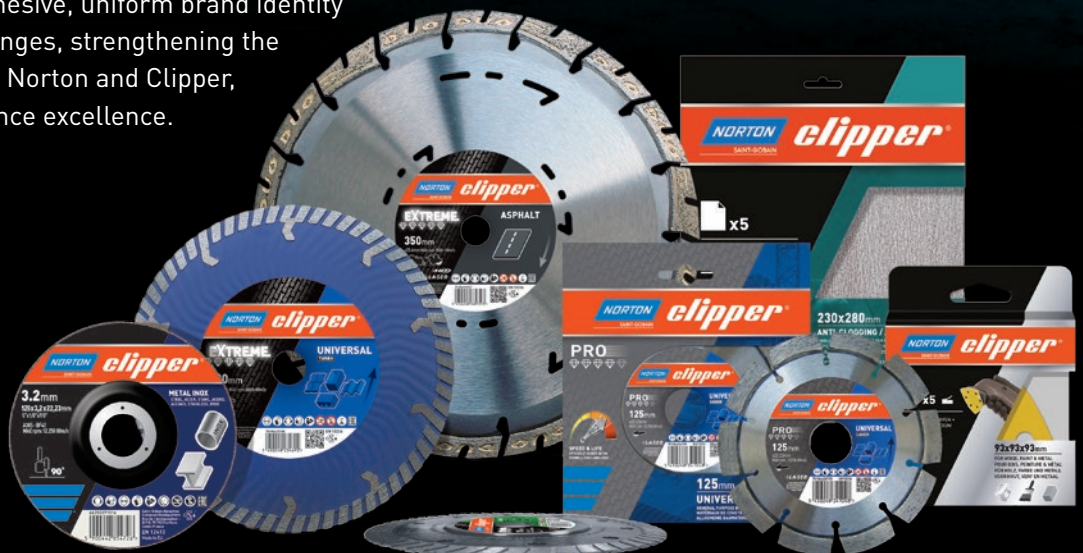
It was Norton Clipper that revolutionised the building and construction industry with the invention of the world's 1st laser welded diamond blade. And we've continued to innovate: our award winning silent blades are perfect for noise-sensitive areas like hospitals, schools, offices, residential spaces and city centres. The introduction of infiltrated High Density technology (i-HD™), the latest revolution in diamond

tool manufacturing, providing unrivalled performance, greater comfort, lower energy production and improved safety, which is second to none.

Additionally, Norton Clipper boasts the widest range of diamond tools for cutting the most common surfaces: reinforced concrete, granite, tiles, stone and asphalt; as well as providing high performance machines including: masonry, floor, tile and handheld saws, core drilling equipment, floor grinders and power trowels. Whatever your trade we can offer you safe, high quality construction blades, machines and abrasives to help you build, renovate and improve our habitat.

BRAND NEW LOOK

Norton Clipper has been completely revitalised across its full range of machines and consumables. Through significant brand investment we have improved and modernised machine livery and packaging design to strengthen communication, making product recognition and selection quicker and easier. Norton Clipper's cohesive, uniform brand identity spans all product ranges, strengthening the connection between Norton and Clipper, signifying performance excellence.





DIAMOND TOOL QUALITY TIERING

Within the Clipper diamond tool range, we offer a choice of three performance levels, adapted to the requirements of our customers. Quality tiering is clearly communicated through the range names: Extreme, Pro and Classic, which are supported on the packaging by the number of quality diamonds located underneath the names. An additional performance indicator on the sleeve quickly and effectively indicates Pro and Extreme products.



CLASSIC: good quality versus performance ratio for occasional use.



PRO: professional quality for frequent use, designed for high performance and great productivity.



EXTREME: the most innovative Norton Clipper blades, with the fastest and smoothest cutting speeds and extremely long life, for the heaviest use.

SELECTING THE RIGHT BLADE FOR YOUR MATERIAL

To further aid quick and easy product selection, clear material colour coding has been applied to the packaging. This is supported on the back of pack with further substrate details, designed to give guidance to end users to ensure the right blade is chosen for the job.

- BETON / CONCRETE**
Extreme, Pro, Classic
- UNIVERSAL**
Extreme, Pro, Classic
- ASPHALT**
Extreme, Pro, Classic
- CERAMIC**
Extreme, Pro, Classic
- NATURAL STONE**
Extreme, Pro
- 4X4 EXPLORER**
Pro
- REFRACTORY**
Extreme, Pro



PRODUCT NAME CONVERSION CHART

DIAMOND BLADES

EXTREME

PRO

CLASSIC

FORMER NAME NOW

UNIVERSAL BUILDING MATERIALS

FMD Duo	Extreme Universal Laser
Duo BS-15	
BS Silencio	Extreme Universal Silencio
Euro ZML Evo	Pro Universal Laser
Alfa	
Pro BS-12	
Classic Laser	
Classic BS-10	Classic Universal Laser
Classic Uni	Classic Universal
Aero Jet Evo	Extreme Universal Turbo
Euro Jet	Pro Universal Turbo
Classic Jet	Classic Universal Turbo
Multi-runner	Pro Universal Ductile
TP-Z	Extreme Universal TP-Z
TP Mortar Raker	Pro Universal TP
TP-V Crack Chaser	Pro Universal TP-V
Extreme CG Extreme CG	Extreme CG
Pro CG	Pro CG
Classic CG	Classic CG
Pro CG-PCD Low Vibration	Pro CG-PCD Low Vibration
Classic CG-PCD	Classic CG-PCD
Cut' N Grind	Extreme Cut' N Grind
	Pro Cut' N Grind

GRANITE, MARBLE & NATURAL STONES

Duo Granit +	Extreme Granite
Granito	Pro Granite
Granit Turbo Laser	Pro Granite Turbo
Marmo Pro	Pro Marmo
Pro Surf	Pro Marmo Surf
Super Stradalit Evo	Extreme Stradalit

DRILLING COREBITS

FORMER NAME NOW

CONCRETE	X3	Extreme CB Beton
	Pro CB Beton	Pro CB Beton
	Pro CB Beton (crown)	Pro CB Beton Crowned
	Pro CB Beton XT	Pro CB Beton XT
	Classic CB Beton	Classic CB Beton
	Classic CDT	Classic CB Beton Soft
	ROBO Forsheda	Pro CB Beton ROBO
	DD5 Gold	Extreme CB Universal
UNIVERSAL BUILDING MATERIALS	Arid 7	Pro CB Universal
	Arid 5	Classic CB Universal
	Pro Arid DS	Pro DS
	Classic Arid DS	Classic DS
ABRASIVE MATERIALS	X5	Extreme CB Asphalt
NATURAL STONE & TILES	Pro Ceram VB dry	Extreme VB
	Diamond Tile Drills	Classic VB
	Pro CB Granit	Pro CB Granit

FORMER NAME NOW

CONCRETE

Duo Extreme +	Extreme Beton
Vorax	
Silencio	Extreme Beton Silencio
Super Beton Evo	Pro Beton Soft
ZDH 500	Pro Beton
ZDH Duo Ø230mm	
Classic Beton	Classic Beton
Classic Turbo Laser	Classic Beton Turbo
V-Max III	Extreme Beton Wall Saw
V-Max II Silencio	Extreme Beton Silencio Wall Saw
Revex LB	Extreme Beton LB

ABRASIVE MATERIALS

Duo Asphalt +	Extreme Asphalt
Platinum	
Platinum LB	Extreme Asphalt LB
Super Asphalt Evo	Pro Asphalt
Classic Asphalt	Classic Asphalt
M45 Evo - Green Concrete	Pro Green Concrete
Xenon 6 Black	Extreme Green Concrete

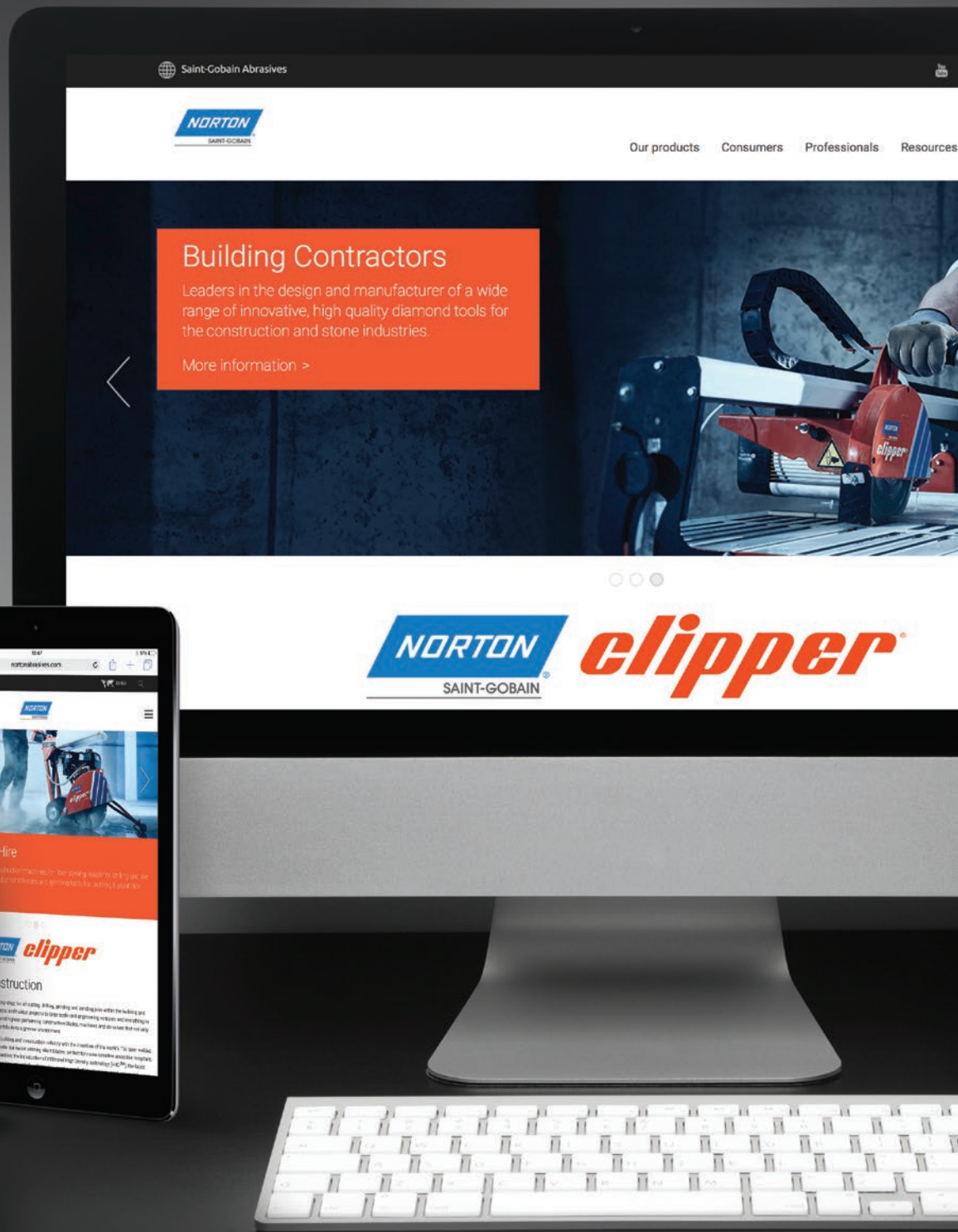
MULTI MATERIALS 4x4 Explorer + Pro 4x4 Explorer

CERAMIC AND PORCELAIN TILES

Super Gres XT Evo	Extreme Ceramic Turbo
Super Gres XT	
Classic Ceram XT	Classic Ceramic Turbo
Ceram XJ	Extreme Ceramic
MD 110 CD	Pro Ceramic
MD 120 C	
Classic Ceram	Classic Ceramic
Pro Glass	Pro Ceramic Glass

REFRACTORY MATERIALS

RC400	Extreme RC400
RC465	Extreme RC465
RC525	Extreme RC525
RC540	Extreme RC540
RC575	Extreme RC575
ZDH500	Pro beton
ZDM200	Pro ZDM200
ZDM944T	Pro ZDM944T



DISCOVER MORE FROM OUR EXPERTS
AND FIND MACHINE SPARE PARTS AT
www.nortonabrasives.com



A BRAND NEW RANGE

A leading abrasive brand in the construction industry for over 50 years with performance optimised machines and diamond cutting tools, the Norton Clipper range is now extended to abrasives for hand, machine & floor sanding and cutting-off and grinding wheels, providing a complete abrasive offering for all applications in the construction industry.



CUTTING-OFF & GRINDING WHEELS

For use on multiple materials including steel-inox, steel and stone.



MACHINE SANDING

Abrasives for belt machines, eccentric, orbital, delta sanders and angle grinders.



HAND SANDING

Whether sanding wood, paint, metal, plaster, filler or varnish, a specialist product is available. All hand sanding sheets can be used by hand or with a sanding block.



FLOOR SANDING

A selection of belts and discs in a variety of grits and sizes for dimensioning, intermediate grinding and polishing applications.

INNOVATIONS

DELIVERING INNOVATIVE EXCELLENCE

Investing in R&D, stimulating the generation of new ideas, and increasing the speed at which cutting-edge science is turned into market-ready products, are key factors that determine business success and are some of Norton Clipper's main business priorities. Norton Clipper also takes an innovative approach to its business operations, and is committed to the continuous improvement processes and services, creating, evaluating and exploiting new ideas to help continuously add value to its customer relations.

Recently, a number of product innovations have been introduced. These are clearly highlighted throughout this catalogue. Norton Clipper's innovative abrasive solutions offer outstanding productivity and versatility, and help reinforce its position as the world's leading manufacturer of abrasives specialized in the light equipment and diamond tools for building and construction.

Cutting edge innovation like the i-HD™ diamond blades are among the longest lasting and fastest blades in the market:

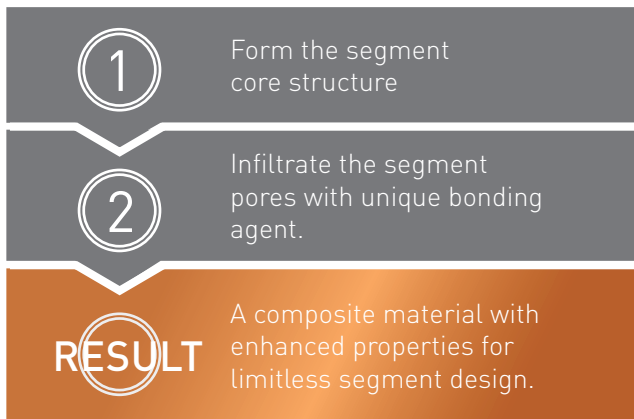
our i-HD™ manufacturing process guarantees customers unrivalled performance and increased safety including:

- Norton Clipper Silencio recognized as the most silent blade worldwide (up to 30x noise reduction compared with a standard blade) and with premium cutting performances.
- The patented Norton Clipper ellipsoidal gullets increase the product safety reducing the risk of cracking the steel centre.



i-HD™ TECHNOLOGY

Norton's Infiltrated High Density technology (i-HD™) combined with its patented diamond blades laser-welding process is the biggest breakthrough in diamond tools this century. Through many years of research and development this revolutionary process provides our customers with unrivalled performance, increased safety, lower energy manufacturing and a wider choice of segment design.



Infiltration achieves high uniform density across each whole segment without applying high pressure (like the standard process). This allows Norton to manufacture very robust segments which wear evenly, remain intact and perform faster at higher cutting speeds.

The diamond grit is an integral part of the segment structure. During the patented process a special bond impregnates the core structure and binds the diamond grit into the segment. This ensures optimum use of the diamond grit, giving the diamond tools a longer life.

Norton's optimized process also means increased segment design flexibility resulting in greater diversification of diamond blade shapes to best suit applications and materials being cut.



UP TO 30% REDUCTION
IN CUTTING NOISE



SILENCIO

Residential areas, city centres, schools and hospitals are especially sensitive to noise, with more and more local regulations preventing excessive noise levels.

With up to 17mm high segments and a bespoke specification for each application, Norton Clipper Silencio is our most efficient diamond blade for granite, concrete and general purpose materials, while protecting the surrounding area from disturbing cutting noise.

ESPECIALLY DESIGNED
FOR DRILLING
CONCRETE PIPES



CDP ROBO 300 & 350

Norton Clippers new compact and lightweight petrol drilling machine enables you to work in confined space environments, ideally for drilling concrete pipes in trenches.

Also featuring an easy setting by column swing and pre-defined 45° and 90° positions. Delivered with accessories.

DID YOU KNOW?

Hand-Arm Vibration syndrome can be caused by excessive use of power tools such as hand-held cut-off saws or grinding machines, with this in mind Norton Clipper has developed CS451 and EXTREME CG Comfort both reducing vibration levels and optimising operator comfort.



CS451 FLOOR SAW

Robust, functional and reduces vibration levels by 40% for improved user comfort.

Optimised weight distribution for outstanding cutting performance, wet or dry.



EXTREME CG Comfort

The latest development in grinding cup technology. Allows you to work 4x longer!

Once you have tried it, there is no going-back!

VIBRATIONS

Hand / arm	< 2,5 m/s ²	≥ 3,5 m/s ²	≥ 4,5 m/s ²
Body	< 0,8 m/s ²	≥ 1,15 m/s ²	≥ 2,5 m/s ²
Work time	 8 hours	 4 hours	 2 hours

PRODUCT QUALITY STANDARDS & USER SAFETY ON SITE



DIAMOND TOOLS, CUTTING-OFF & GRINDING WHEELS

Products that rotate are of particular danger and at Saint-Gobain Abrasives we take every precaution to ensure your health and safety is always at the heart of everything we do. Safety & quality are our priority and all Norton Clipper diamond tools & abrasives are manufactured to the most stringent European health, safety & environmental standards for use in the toughest construction environments.

oSa - ORGANISATION FOR SAFETY OF ABRASIVES

Saint-Gobain Abrasives is 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.

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 - STANDARDS FOR CUTTING-OFF & GRINDING WHEELS

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



MACHINES

We provide operating devices which 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 2014/35/UE

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 2014/30/UE

In the construction business, Norton 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.

SAFETY REGULATIONS & STANDARDS

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 jobsite - Safety
- EN 12649** Concrete compactors and smoothing machines - Safety
- ISO 19432** Portable, hand-held, internal combustion engine driven cut-off machines

MERCHANDISING SOLUTIONS

New Norton Clipper branded display kits with a selection of components to help tailor the display for different product and merchandising requirements. Plus a range of portable displays and a suite of point-of-sale graphic templates for Building & Construction market to inform, educate and help the tradesman select the most appropriate product for their job quickly and easily, whilst encouraging repeat purchase.

STANDS DISPLAY KITS



DISPLAY KITS

The complete kit comes with all components needed to create a full display for all Clipper products.

KIT CONTAINS: Base x1, pegboards x4, header x1, shelf x1, legs x2, single pegs x20, euro hooks x15

DESCRIPTION	QTY	ITEM No.
Complete kit with light	1	4100 48416
Complete kit without light	1	4100 48415

Accessories can be ordered separately if required.

ACCESSORIES

NORTON CLIPPER HEADER WITH LIGHT



NORTON CLIPPER HEADER WITHOUT LIGHT



SHELF



DRILL MOTOR HOOKS x2



EURO HOOKS x35



COREBIT HOOK 1"1/4F & 1/2"M up to Ø150mm



DESCRIPTION	QTY	ITEM No.
Header with light	1	4100 82634
Header without light	1	4100 82633
Shelf	1	4100 59872
Drill motor hooks x2	1	5101 16152
Euro hooks x35	1	4100 81866
Core Drill hook	1	5101 20422

DISPLAY STANDS



DRILLING STAND

Drilling Motor POS graphics available on request

KIT CONTAINS:

Base x1, pegboard with 2 sides, shelves x3, drilling motor hooks x8, euro hooks x10

H: 2295mm x W: 1000mm x D: 1000mm

ITEM No.	QTY
5101 16151	1



DIAMOND BLADE DISPLAY STAND

Portable display for diamond blades

KIT CONTAINS:

Header x1, hooks x6, top panel x1, side panel x2

- H: 1850mm x W: 430mm x D: 560mm

ITEM No.	QTY
MT0	1



COUNTER TOP DIAMOND CUP DISPLAY

Countertop portable Cup grinder display. Available in multiple languages.

125mm Diamond cup grinder to be purchased separately.

L: 70mm x H: 280mm x W: 190mm

ITEM No.	QTY
005101 26407	1



UNIVERSAL DISPLAY

Portable display for Petrol Saws (CP500), tile saws, drill motors, grinding machines with English point-of-sale graphic

KIT CONTAINS:

Base x1, header x1, shelf x4, pins x2, euro hooks x4

H: 1600mm x W: 1200mm x D: 800mm

ITEM No.	QTY
5101 09555	1



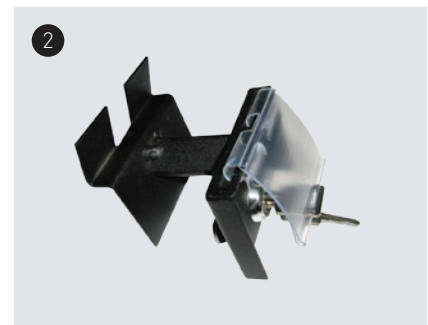
TILE SAWS CORNER

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.

1 table + 0,8m tall totem = 2m² floor space

ITEM No.	QTY
5100 85218	1



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.

DESCRIPTION	ITEM No.
1) Safety lockable hooks for the wall display 1x2m	5100 18714
2) Safety lockable hooks for the Clipper corner	5100 80899

POINT-OF-SALE GRAPHICS

A complete set of graphic templates have been created for each of our product ranges per market. As product ranges vary per customer and language requirements differ per country, the templates can be adapted to cater for all product & language needs.

GRAPHIC TEMPLATES
can be adapted to suit your requirements.
For information about tailored designs please contact
Marketing Communications EMEA

HEADERS

DIAMOND CUTTING

SELECT THE BLADE YOU NEED

BETON CONCRETE & REINFORCED CONCRETE	NATURAL STONE GRANITE, MARBLE & NATURAL STONE
BUILDING MATERIALS CONCRETE, ROOF TILES, PIPES, BRICKS, BLOCK PAVING, KEYS	ASPHALT ASPHALT & ABRASIVE MATERIALS
CERAM CERAMIC & PORCELAIN TILES	

SELECT THE QUALITY YOU NEED

HIGHEST PERFORMANCE
EXTREME ◆◆◆◆◆

PROFESSIONAL QUALITY
PRO ◆◆◆◆◆

GOOD QUALITY, ATTRACTIVE PRICE
CLASSIC ◆◆◆◆◆

CUTTING-OFF & GRINDING

CHOOSE YOUR MATERIAL

MULTI-PURPOSE DIAMOND	
METAL, INOX & METAL	
STONE	

CHOOSE YOUR MACHINE

ANGLE GRINDER	PETROL SAW
CHOP SAW	

PRODUCT FEATURES

- 1 **ONE WHEEL**
CUTS, GRINDS & POLISHES
- 2
- 3

CORDLESS
CUT THE CORD, NOT THE POWER
WITH WHEELS DESIGNED FOR USE ON BATTERY OPERATED OR LOW POWER MACHINES

HAND SANDING

MULTI-PURPOSE ANTI-CLOGGING SUPER FLEXIBLE WATERPROOF

MACHINE SANDING

BELTS & DISCS
FOR SANDING WOOD, PAINT, METAL & PLASTER

ROLLS, BELTS & DISCS
FOR FLOOR SANDING

BUS STOPS

NORTON clipper

FOR BUILDING & CONSTRUCTION

DIAMOND CUTTING & DRILLING

CUTTING-OFF & GRINDING

HAND & MACHINE SANDING

NORTON clipper

MACHINES

Electric angle grinder	Petrol hand-held saw	Wall saw
Masonry saw	Rail tile saw	Table tile saw
Large block saw	Rail tile saw	Mechanical Power Tool
Grinding Machine	Portable hand-held core drill motor	Core drill rig & motor

NORTON clipper

DIAMOND QUALITY

DRY CUTTING

- DRY CUTTING OF CONCRETE PRODUCTS @ 220mm - angle grinder
- DRY CUTTING OF CONCRETE PRODUCTS @ 200-300mm - petrol saw
- DRY CUTTING OF CERAMIC TILES @ 150mm - angle grinder

WET CUTTING

- WET CUTTING OF CONCRETE FLOOR @ 250mm - 12HP floor saw
- WET CUTTING OF ASPHALT ROAD @ 250mm - 12HP floor saw
- WET CUTTING OF CONCRETE SLABS OR PAVERS @ 200mm - 2.2HP masonry saw

WET DRILLING

- WET DRILLING OF CERAMIC TILES @ 220mm - 10HP saw
- WET DRILLING OF REINFORCED CONCRETE @ 100mm - 4HP - 4HP masonry

AFTER-SALES SERVICE & SUPPORT

By choosing Norton Clipper machines, diamond tools & abrasives, you are choosing quality products designed for professional users. All machines and related accessories are guaranteed for one year (excluding normal wear).

ALL PRODUCTS ARE QUALITY CHECKED DURING MANUFACTURING

If, despite quality checks, during the first year following purchase, any fault arises, your Norton Clipper machine must be returned (complete) to the sales outlet where you purchased it, together with your invoice or sales receipt.

After testing with accessories by the sales outlet's after-sales service, the machine can be shipped for repair to your nearest Norton Clipper after-sales service or to the Norton Clipper after-sales service European Centre 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 the issue will be appreciated. A standard Norton Clipper Repair Form is available on www.nortonabrasives.com.

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 Norton Clipper after-sales team 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.

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DIAMOND TOOL PRODUCT INDEX

CONCRETE & REINFORCED CONCRETE



EXTREME BETON
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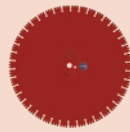
EXTREME BETON SILENCIO
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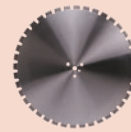
PRO BETON
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CLASSIC BETON
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EXTREME BETON WS
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EXTREME BETON SILENCIO
WS PAGE 28



EXTREME BETON LB
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UNIVERSAL BUILDING MATERIALS



CLASSIC UNIVERSAL
PAGE 35



PRO UNIVERSAL
DUCTILE PAGE 37



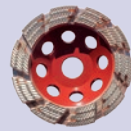
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PRO UNIVERSAL
TP PAGE 38



PRO UNIVERSAL
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EXTREME CG COMFORT
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EXTREME CG
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GRANITE, MARBLE & NATURAL STONE



EXTREME GRANITE
PAGE 50



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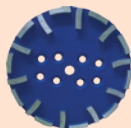
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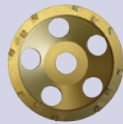
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DIAMOND TOOLS FOR

CONCRETE & REINFORCED CONCRETE

Discover our diamond blades especially designed for cutting off : 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.



EXTREME BETON



***LASER**

EXTREME BETON, NOW WITH I-HD™ TECHNOLOGY PRODUCES MANY BENEFITS FOR THE END USER, INCLUDING:

- Up to **20% faster cut rate** than the previous version.
- Up to **20% longer life** thanks to increased segment height, a high density and more even distribution of diamonds throughout the segment as well as better grain retention.
- Less vibration for a **smoother, more comfortable cut** and better cut quality.
- **60% stronger torque resistance** for exceptional safety thanks to the I-HD™ process, we have 100% warranty against segment loss.
- **Applications:** for concrete and reinforced concrete on angle grinder, cut of saw and floor saws up to more than 90HP.



MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	115	22,23	12/2,2	701846 30301	5450248 414193
	125	22,23	12/2,2	701846 30302	5450248 414209
	230	22,23	15/3,0	701846 47723	5450248 569299
	300	20	15/3,0	701846 47787	5450248 570745
	300	25,4	15/3,0	701846 47788	5450248 570752
	350	20	15/3,2	701846 47789	5450248 570769
	350	25,4	15/3,2	701846 47790	5450248 570776
	400	20	15/3,2	701846 93353	5450248 572657
	400	25,4	15/3,2	701846 93354	5450248 572664
	450	25,4	15/3,8	701846 02363	545028 727361
	500	25,4	15/3,8	701846 01690	5450248 709626
	600	25,4	15/4,4	701846 01691	5450248 709633
	700	25,4	15/4,4	701846 01692*	5450248 709640
	800	25,4	15/4,4	701846 01693	5450248 709657

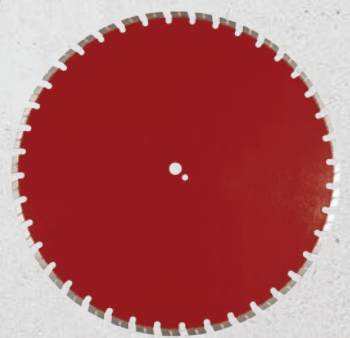
* Availability on request

Formerly Duo Extreme and Vorax 5 (≥500mm)

NAME	MACHINE	POWER	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
Beton 10		20 - 30HP	450	25,4	15/4,4	701846 01689	5450248 709619
		20 - 30HP	500	25,4	15/4,4	701846 01696	5450248 709701
		20 - 30HP	600	25,4	15/4,4	701846 01735	5450248 710691
		20 - 30HP	700	25,4	15/4,4	701846 01999*	5450248 717898
Beton 20		35 - 54HP	600	25,4	15/4,4	701846 94212*	5450248 594475
		35 - 54HP	700	25,4	15/4,4	701846 94733	5450248 693093
		35 - 54HP	750	25,4	15/4,4	701846 94734*	5450248 693109
		35 - 54HP	800	25,4	15/4,4	701846 94735*	5450248 693116
		35 - 54HP	900	25,4	15/4,4	701846 01694	5450248 709664
		55 - 90HP	450	25,4	15/4,4	701846 94713*	5450248 692911
Beton 30		55 - 90HP	500	25,4	15/4,4	701846 94714*	5450248 692928
		55 - 90HP	600	25,4	15/4,4	701846 94719*	5450248 692966
		55 - 90HP	700	25,4	15/4,4	701846 94718*	5450248 692959
		55 - 90HP	750	25,4	15/4,4	701846 94720*	5450248 692973
		55 - 90HP	800	25,4	15/4,4	701846 94721*	5450248 692980
		55 - 90HP	900	25,4	15/4,4	701846 94722	5450248 692997
		55 - 90HP	1000	25,4	15/4,4	701846 94723*	5450248 693000
		55 - 90HP	1200	25,4	15/4,4	701846 94724*	5450248 693017

* Availability on request

Formerly Vorax



BLADES FOR CONCRETE & REINFORCED CONCRETE FOR ANGLE GRINDERS, CUT-OFF SAWS & FLOOR SAWS



NAME	MACHINE	POWER	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
Beton 40		> 90HP	450	25,4	15/4,4	701846 94715*	5450248 692935
		> 90HP	500	25,4	15/4,4	701846 94716*	5450248 692942
		> 90HP	600	25,4	15/4,4	701846 94725*	5450248 693024
		> 90HP	700	25,4	15/4,4	701846 94727*	5450248 693031
		> 90HP	750	25,4	15/4,4	701846 94728*	5450248 693048
		> 90HP	800	25,4	15/4,4	701846 94729*	5450248 693055
		> 90HP	900	25,4	15/4,4	701846 94730*	5450248 693062
		> 90HP	1000	25,4	15/4,4	701846 94731*	5450248 693079
		> 90HP	1200	25,4	15/4,4	701846 94732*	5450248 693086

* Availability on request

Formerly Vorax

EXTREME BETON SILENCIO



LASER



Residential areas, city centres, schools and hospitals are especially sensitive to noise, with local regulations preventing excessive noise levels. With up to 17mm high segments and a bespoke specification for each application, Norton Silencio is our quietest diamond blade, reducing noise by up to 20x (-13 dB) compared to conventional blades when used on concrete, reinforced concrete, granite and building materials, while achieving a fast, efficient cut.

What makes Silencio different?

Winner of 10 innovation and safety awards, Silencio's patented technology relies on two features:

- A noise dampening layer is sandwiched between two sheets of steel which absorbs the cutting vibrations and sound of the product when in use.
- Patented 'off-set gullets' prevent whistling air flow around the diamond blade.
- Each blade is fine-tuned to provide the best possible noise reduction and cutting performance on a particular machine application.

A PREMIUM CUTTING SILENT DIAMOND BLADE



MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	230	22,23	17/2,8	701846 01168	5450248 702498
	300	20	15/3,2	701846 29000	5450248 398226
	300	25,4	15/3,2	701846 42421	5450248 498308
	350	20	15/3,2	701846 47780	5450248 570998
	350	25,4	15/3,2	701846 28999	5450248 398219
	350	25,4	15/3,2	701846 28997	5450248 398196
	400	20	15/3,2	701846 94504	5450248 688518
	400	25,4	15/3,2	701846 43510	5450248 510604
	450	25,4	15/3,2	701846 31020	5450248 450597
	500	25,4	15/3,2	701846 30416	5450248 440901



Formerly Silencio

BLADES FOR CONCRETE & REINFORCED CONCRETE FOR ANGLE GRINDERS, CUT-OFF SAWS, MASONRY & FLOOR SAWS

PRO BETON



LASER

- Laser welded blade for intensive use on a wide range of construction materials and reinforced concrete.
- For dry or wet cutting.
- Narrow gullet for great results on hard materials.

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	230	22,23	12/2,8	701846 12117*	5450248 210498
	300	20	10/2,5	701846 27058**	5450248 372554
	350	20	10/2,8	701846 27060**	5450248 372578
	350	25,4	10/2,8	701846 27061**	5450248 372585
	400	25,4	10/3,2	701846 27062**	5450248 372592
	450	25,4	10/3,2	701846 27063**	5450248 372608
	500	25,4	10/3,8	701846 27064**	5450248 372615
	600	25,4	10/4,0	701846 27065**	5450248 372622

Formerly * ZDH Duo ** ZDH 500



PRO BETON SOFT



LASER

- Laser welded blade.
- For dry or wet cutting.
- Depth indicator to monitor blade life and show cutting direction (up to 450mm).
- Wild gullet for great results on soft materials.

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

Formerly Super Beton Evo



CLASSIC BETON TURBO



LASER

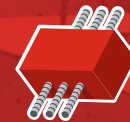
- Laser welded diamond blade.
- For dry or wet cutting.
- Corrugated segments.

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	115	22,23	10/2,4	701846 94465	5450248 687993
	125	22,23	10/2,4	701846 94466	5450248 688006
	230	22,23	10/2,6	701846 94467	5450248 688013
	300	20	10/3,2	701846 94468	5450248 688020
	300	22,23	10/3,2	701846 02486	5450248 730606
	350	20	10/3,2	701846 94469	5450248 688037
	350	25,4	10/3,2	701846 94470	5450248 688044
	400	20	10/3,2	701846 01392	5450248 707493
	400	25,4	10/3,2	701846 94471	5450248 688051

Formerly Classic Turbo Laser



BLADES FOR CONCRETE & REINFORCED CONCRETE FOR CUT-OFF SAWS, FLOOR SAWS & WALL SAWS



CLASSIC BETON



LASER

- An economical solution.
- Laser welded blade.
- Dry or wet cutting.

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	300	20	10/2,8	701846 26869	5450248 353621
	300	25,4	10/2,8	701846 26870	5450248 353638
	350	20	10/2,8	701846 26871	5450248 353645
	350	25,4	10/2,8	701846 26872	5450248 353652
	400	25,4	10/3,2	701846 26873	5450248 353669
	450	25,4	10/3,2	701846 26874	5450248 353676
	500*	25,4	10/3,4	701846 94416*	5450248 687429
	600*	25,4	10/3,6	701846 94417*	5450248 687436

* 500-600mm with undercutting protection segments



EXTREME BETON WALL SAW



LASER

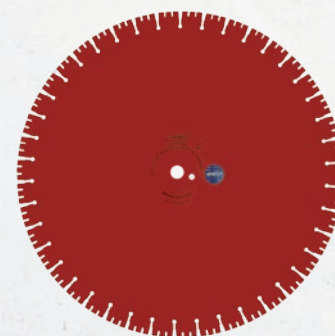


- The new generation of wall saw blades with i-HD™ technology for the fastest cut ever.
- For electric or hydraulic wall saw machines.

MACHINES	Ø (mm)	BORE (mm)	BORE PATTERN	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	600	25,4		14/3,8	701846 01239	5450248 703709
	600	25,4		14/4,8	701846 01243	5450248 703716
	600	25,4		14/5,5	701846 01244	5450248 703723
	650	25,4		14/3,8	701846 01245	5450248 703730
	700	25,4		14/3,8	701846 01246	5450248 703747
	750	25,4	WS75	14/3,8	701846 01442	5450248 708599
	800	25,4		14/3,8	701846 01248	5450248 703761
	800	60		14/3,8	701846 01249	5450248 703778
	800	25,4		14/4,8	701846 94918	5450248 695226
	800	60		14/4,8	701846 01250	5450248 703785
	800	60	Hydrostress	14/4,8	701846 01252	5450248 703792
	800	60	TS20	14/4,8	701846 01433	5450248 708353
	800	60		14/5,5	701846 01434	5450248 708360
	900	60		14/4,8	701846 01253	5450248 703808
	1000	60		14/4,8	701846 01254	5450248 703815
	1200	60		14/4,8	701846 01255	5450248 703822

Other patterns available on demand

Formerly V-Max III



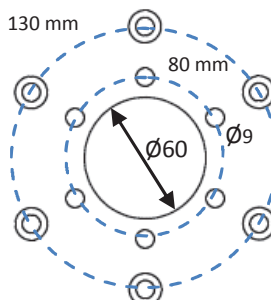
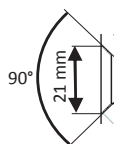
Clipper's Tip

BORE PATTERNS



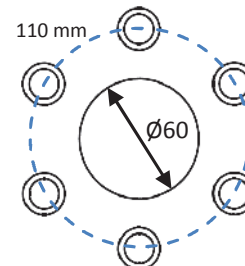
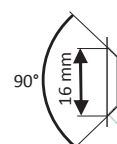
TS5

3 conical holes for countersunk M10 screws on a 90mm circle.
Bore 25,4mm



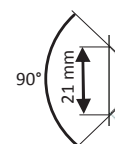
HYDROSTRESS

6 conical holes for countersunk M8 screws on a 130mm circle
6 holes Ø9mm on a 80mm circle
Bore 60mm



TS20

6 conical holes for countersunk M10 screws on a 110mm circle
Bore 60mm



BLADES FOR CONCRETE & REINFORCED CONCRETE FOR WALL SAWS & FLOOR SAWS

EXTREME BETON SILENCIO WALL SAW



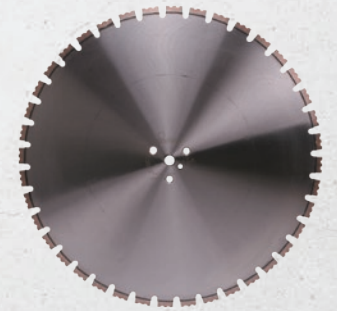
LASER

- Wall saw blade with noise reduction technology.
- For electric or hydraulic wall saw machines.

MACHINES	Ø (mm)	BORE (mm)	BORE PATTERN	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	500	25,4		14/3,7	701846 29577*	5450248 566403
	600	60	Hydrostress	14/3,7	701846 29881*	5450248 566526
	600	60		14/4,8	701846 29450*	5450248 562238
	600	60		14/5,5	701846 43459*	5450248 510253
	700	25,4	TS5	14/3,7	701846 30679*	5450248 446231
	700	60		14/4,8	701846 45647*	5450248 532392
	700	60		14/5,5	701846 44285*	5450248 518594
	750	60		14/4,8	701846 30706*	5450248 446545
	800	60	TS20	14/4,8	701846 45624*	5450248 532217
	800	60		14/4,8	701846 28513*	5450248 565994
	800	60		14/5,5	701846 44772*	5450248 524427
	1000	60		14/4,8	701846 30618*	5450248 443193
	1200	60		14/4,8	701846 42575*	5450248 498377

* Availability on request

Formerly V-MAX



EXTREME BETON LB



- Speciality blades for loop cutting on floor saws.
- Check the blade wide needed in the table to make you choice.
- For concrete and reinforced concrete.

MACHINES	Ø (mm)	BORE (mm)	SEGMENT WIDTH (mm)	ITEM No.	EAN 13 Code
	350	25,4	6	701846 29323*	5450248 560685
	350	25,4	8	701846 27442*	5450248 560678
	350	25,4	10	701846 29326	5450248 566298
	350	25,4	12	701846 15801*	5450248 268925
	350	25,4	13-15	701846 45778*	5450248 699194
	350	25,4	16	701846 30141*	5450248 566618
	350	25,4	>16	701846 29155*	5450248 566069
	450	25,4	6	701846 28438*	5450248 565963
	450	25,4	8	701846 28391*	5450248 564416
	450	25,4	10	701846 27440*	5450248 560661
	450	25,4	12	701846 18247*	5450248 294849
	450	25,4	13-15	701846 45780*	5450248 719793
	450	25,4	16	701846 27444*	5450248 565673
	450	25,4	>16	701846 18254*	5450248 294931
	600	25,4	10	701846 21552*	5450248 311546
	600	25,4	>16	701846 42043*	5450248 567752

* Availability on request

Formerly Revex LB



DIAMOND TOOLS FOR

UNIVERSAL BUILDING MATERIALS

Discover our diamond blades especially designed for cutting off : cured concrete, kerbs, concrete pipes, bricks, block paving, flagstones and paving stones, washed gravel concrete slabs, natural stone, sandstone, limestone, flint.



EXTREME UNIVERSAL TURBO



WHEN PERFORMANCE MEETS DESIGN

The Extreme Universal blade cuts all medium to hard construction materials, fast.

- 12mm impregnated diamond segments provide very long life.
- Arrow shaped inserts on the blade protect the steel core for reduced blade wear, as well as indicating the correct direction for rotation.
- The ventilated waved steel centre reduces heat which aids blade rigidity during dry cutting.
- The corrugated continuous rim enables smooth, high quality cutting and ease of use. It also cuts more aggressively on hard materials.
- Ideal for use on a very wide range of medium to hard construction materials, block pavements, granite, natural stone, roof tiles and hard tiles.

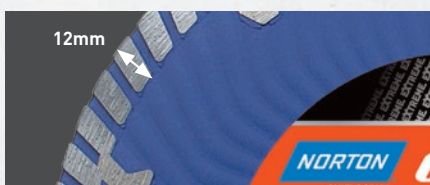


MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	115	22,23	12/1,8	701846 23598	5450248 236863
	125	22,23	12/2,0	701846 23599	5450248 330868
	230	22,23	12/2,8	701846 23180	5450248 234692
	300	20	12/2,8	701846 11230	5450248 174042
	300	25,4	12/2,8	701846 11236	5450248 174417
	350	20	12/3,2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

Formerly Aero Jet Evo



PRODUCT FEATURES



12mm HIGH SEGMENTS WITH WAVED STEEL CENTRE



ROTATIONAL DIRECTION



Clipper's Tip

Quickfix

ADJUST THE DIAMETER OF YOUR BLADE BORE FOR USE WITH MACHINES WITH DIFFERENT ABOUR / SHAFT DIAMETERS











PRO UNIVERSAL TURBO



- 12mm high continuous rim blade.
- Ideal for universal use on general materials and stone.

- Reinforcement flanges around the bore ensure rigidity and straight cutting under the most demanding conditions.
- Use dry or wet.

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










Formerly Euro Jet

CLASSIC UNIVERSAL TURBO



- An economical solution.
- Continuous rimmed blade.

- Use dry or wet.

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



Formerly Classic Jet

EXTREME UNIVERSAL LASER



LASER

TREAT YOUR MASONRY SAW WITH THE BEST.

The Extreme Universal blade has super fast cutting and very long life on all materials from soft to hard.

- Up to 15mm high segments provide long life and fast cut on all building materials.
- The DUO segments provide high cutting speed, improved comfort and low vibration levels.
- Arrow shaped gullet slots quickly remove debris from the blade surface and indicates the rotational direction.
- 'DUO' shaped cut reduces heat and cools the blade core.
- Laser welded segments ensure optimum safety against segment loss.



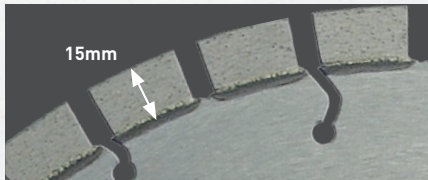
MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	300*	30/25,4	15/2,8	701846 12282	5450248 218777
	350*	30/25,4	15/2,8	701846 12283	5450248 218784
	400	25,4	10/3,2	701846 11438	5450248 184782
	450	25,4	10/3,2	701846 11439	5450248 184799
	500	25,4	7/3,8	701846 11440	5450248 184805

* Special Duo shaped segments and Duo laser cuts for 300mm & 350mm diameter blades only

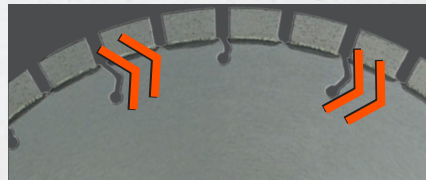
Formerly FMD DUO



PRODUCT FEATURES



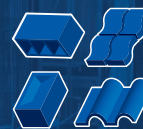
15mm HIGH SEGMENTS
ON DIAMETER 300mm AND 350mm



ROTATIONAL DIRECTION



FOR BEST RESULTS USE ON NORTON CLIPPER MASONRY SAWS - SEE PAGE 95



EXTREME UNIVERSAL SILENCIO



LASER



Residential areas, city centres, schools and hospitals are especially sensitive to noise, with local regulations preventing excessive noise levels. With up to 15mm high segments and a bespoke specification for each application, Norton Silencio is our quietest diamond blade, reducing noise by up to 30x (-15 dB) compared to conventional blades when used on concrete, granite and building materials, while achieving a fast, efficient cut.

What makes Silencio different?

Winner of 10 innovation and safety awards, Silencio's patented technology relies on two features:

- A noise dampening layer is sandwiched between two sheets of steel which absorbs the cutting vibrations and sound of the product when in use.
- Patented 'off-set gullets' prevent whistling air flow around the diamond blade.
- Each blade is fine-tuned to provide the best possible noise reduction and cutting performance on a particular machine application.

**A PREMIUM CUTTING
SILENT DIAMOND BLADE**



MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	300	25,4	15/2,8	701846 40269	5450248 456209
	350	25,4	15/2,8	701846 28998	5450248 398202
	400	25,4	15/3,1	701846 40270	5450248 456216
	450	25,4	15/3,1	701846 94368	5450248 686699
	500	25,4	15/3,2	701846 30309	5450248 414155

Formerly Silencio



EXTREME UNIVERSAL SILENCIO



LASER

- Our best quality for your masonry saw.
- Reduction of noise up to 30%.

- Laser welded blade for optimum safety and performance.

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	650	25,4	15/4,4	701846 94227	5450248 594697
	900	60/55	15/4,4	701846 94030	5450248 587309
	1000	60/55	15/4,4	701846 94595	5450248 689898

Formerly BS Silencio



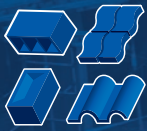
**WATCH THE NORTON
CLIPPER EXTREME
UNIVERSAL SILENCIO
IN ACTION!**



Clipper's Tip

**IDEAL FOR
BLOCK SAWS**





BLADES FOR UNIVERSAL BUILDING MATERIALS FOR ANGLE GRINDERS, HANDHELD CUT-OFF SAWS AND MASONRY SAWS

PRO UNIVERSAL LASER



~~LASER~~

- Fast cutting.
- For use on concrete slabs and general purpose building materials.
- Use dry or wet cutting on masonry saws.

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	115	22,23	10/2,2	701846 24738	5450248 341031
	125	22,23	10/2,2	701846 24739	5450248 341048
	150	22,23	10/2,2	701846 25562	5450248 346333
	150	30/2H	10/2,2	701846 10539	5450248 012238
	180	22,23	10/2,5	701846 25563	5450248 346357
	180	30/2H	10/2,5	701846 25564	5450248 346364
	230	22,23	10/2,5	701846 11396	5450248 183143
	300	20	10/2,8	701846 22225	5450248 233190
	300	25,4	10/2,8	701846 22314	5450248 233213
	350	20	10/2,8	701846 22315	5450248 233220
	350	25,4	10/2,8	701846 22227	5450248 233237
	350	25,4	10/2,8	701846 11209*	5450248 173236
	400	25,4	10/2,5	701846 10679*	5450248 015277
	400	25,4	10/3,2	701846 25951	5450248 347996
	450	25,4	10/3,2	701846 25952	5450248 348009
	500	25,4	10/3,2	701846 25953	5450248 348016

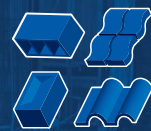
* Available on request

Formerly Euro ZML Evo and Alfa



Diamond shaped holes only on 230mm





CLASSIC UNIVERSAL LASER



LASER

- An economical blade choice for dry or wet cutting on masonry saws.

- For use on construction materials and lightweight blocks, Poroton, Kalksandstein.



MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	115	22,23	7/2,2	701846 26834	5450248 353409
	125	22,23	7/2,2	701846 26835	5450248 353416
	150	22,23	7/2,2	701846 26836	5450248 353423
	180	22,23	7/2,5	701846 26837	5450248 353447
	230	22,23	10/2,5	701846 26838	5450248 353454
	300	20	10/2,5	701846 26839	5450248 353461
	300	25,4	10/2,5	701846 26840	5450248 353478
	350	20	10/2,8	701846 26841	5450248 353485
	350	25,4	10/2,8	701846 26842	5450248 353492

Formerly Classic Laser

CLASSIC UNIVERSAL



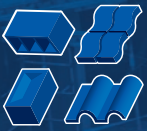
- An economical solution.
- Sintered blade.

- Use dry or wet.



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

Formerly Classic Uni



BLADES FOR UNIVERSAL BUILDING MATERIALS FOR BLOCK SAWS


EXTREME UNIVERSAL LASER



LASER

- Super fast cutting and very long life on all materials from soft to hard.

- Up to 15mm high segments.

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	900	60/55	15/4,8	701846 47651	5450248 564287

Formerly DUO BS15









PRO UNIVERSAL LASER



LASER

- Laser welded ensure optimum performance and security.
- 10mm segment height.

- For use on concrete slabs and general purpose building materials.
- Use dry or wet cutting on masonry saws.

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	600	25,4	12/4,4	701846 47258*	5450248 564195
	625	60/55	12/4,4	701846 93972	5450248 586593
	650	25,4	12/4,4	701846 47265	5450248 564225
	700	60/55	12/4,4	701846 47264	5450248 564218
	900	60/55	12/4,4	701846 47266	5450248 564232
	1000	60/55	12/4,4	701846 47263	5450248 564201

* Available on request

Formerly Pro BS12






CLASSIC UNIVERSAL LASER



LASER

- An economical blade choice for dry or wet cutting on masonry saws.

- For use on construction materials and lightweight blocks, Poroton, Kalksandstein.

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	650	25,4	10/4,4	701846 47267	5450248 564249
	900	60/55	10/4,4	701846 47269	5450248 564256
	1000	60/55	10/4,4	701846 47650	5450248 564263

Formerly Classic BS10



Clipper's Tip

**IDEAL FOR
BLOCK SAWS**



PRO UNIVERSAL DUCTILE



Multi-material vacuum-brazed blades for dry-cutting of a wide variety of materials.

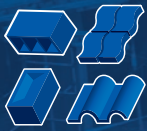
For use on general purpose building materials, concrete, asphalt roof shingles, PVC, clay and fiberglass-reinforced resin, small amount of wood, ductile iron and metals ...



MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	115	22,23	2,8	701846 94459	5450248 687894
	125	22,23	2,8	701846 94460	5450248 687900
	180	22,23	2,8	701846 94461	5450248 687917
	230	22,23	3,1	701846 94462	5450248 687924
	300	20	3,4	701846 94463	5450248 687931
	350	25,4	3,4	701846 94464	5450248 687948
	400	20	3,3	701846 94691	5450248 691518



Formerly Multi-Runner





MORTAR RAKERS AND CRACK CHASERS FOR ANGLE GRINDERS

EXTREME UNIVERSAL TP-Z



- Innovative mortar raker with alternated Z shape segments that reduces contact surface area for a faster cut with less friction.
- Made with i-HD™ technology for long life and a high removal rate.
- For the removal of mortar joints between bricks, natural stone blocks or facing bricks.

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	115	22,23	7/6,5	701846 01130	5450248 704553
	125	22,23	7/6,5	701846 41691	5450248 492801







Formerly TP-Z



PRO UNIVERSAL TP



- Segments with different thicknesses for a number of different mortar joints.
- The hard-metal protection inserts prevent under-cutting of the steel-centre and contributes to longer product life.
- For the removal of mortar joints between bricks, natural stone blocks or facing bricks.
- Removes mortar 2x faster than a standard blade.

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

Formerly TP Mortar Raker





PRO UNIVERSAL TP-V



~~LASER~~

- Special tool for the repair of cracks in floors and walls.
- The V-shape segments widen the crack to allow repair with mortar.
- For use on concrete floors and walls, masonry walls, plaster boards.
- Removes concrete 2x faster than a standard blade.

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	115	22,23	13/6,5	701846 24198	5450248 235477
	125	22,23	13/6,5	701846 24199	5450248 235484

Formerly TP-V Crack Chaser



EXTREME CG



Clipper's Tip

BEST WHEN USED ON NORTON CLIPPER CG125 AND CG180! SEE PAGE 161

Now with i-HD™ technology, Clipper Extreme Cup Grinders provide the ultimate surface grinding performance.

- i-HD segments provide the **best finish, high material removal rates** and **longest life** thanks to the uniform density of diamonds across each whole segment.
- The unique large segment design enables faster **grinding of large surfaces**.
- Low vibrations provide better comfort during use.
- Large ventilation holes mean better cooling and less heat generation.
- Flat 125mm cup grinder is suitable for use on all vacuum grinders.
- For use on building materials, concrete, natural stone and abrasive materials.
- For tilers, general builders, concrete flooring contractors, swimming pool installers.



H = 24mm*



MACHINES	Ø (mm)	CUP HEIGHT (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	100	19	22,23	4,5	701846 94991	5450248 697343
	125	24	22,23	4,5	701846 94993	5450248 697367
	180	29	22,23	4,5	701846 94994	5450248 697374
	125 FLAT	19	22,23	4,5	701846 94992	5450248 697350

* Total height for Ø 125mm



See page 15 for more information on merchandising displays

PRO CG



- High material removal rate.
- Low vibration for better comfort when in use.
- i-HD manufacturing technology ensures long life and a good standard of finishing.

- For surfacing and grinding medium hardness construction and building materials (concrete, reinforced concrete, natural stone).

H = 24mm*



MACHINES	Ø (mm)	CUP HEIGHT (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	100	19	22,23	4,5	701846 94988	5450248 697312
	125	24	22,23	4,5	701846 94989	5450248 697329
	180	29	22,23	4,5	701846 94990	5450248 697336

* Total height for Ø 125mm



CLASSIC CG



- An economical solution.
- For surfacing and grinding hard construction and building materials (concrete, reinforced concrete, natural stone).
- Smaller segments have excellent performance on hard materials.

- Flat sides avoid damaging walls or ceilings during flush grinding.

H = 24mm*



MACHINES	Ø (mm)	CUP HEIGHT (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	100	19	22,23	4,5	701846 94995	5450248 697381
	125	24	22,23	4,5	701846 94996	5450248 697398
	180	29	22,23	4,5	701846 01079	5450248 699293

* Total height for Ø 125mm



EXTREME CG COMFORT



EXTREME CG Comfort has been specifically developed to lower vibration levels and improve operator comfort.

- Lower vibration levels
- Comfortable to use
- New segment shape for optimum results
- i-HD Technology for high material removal and long life



Clipper's Tip

Hand-Arm vibrations provokes painful and disabling disorders of the blood vessels and nerves, leading to a disease called Vibration White Finger. We have developed a product that minimizes the vibration and optimizes your comfort of use.



MACHINES	Ø (mm)	CUP HEIGHT (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	125	24	22,23	4,5	701846 02648	5450248 735106

* Total height for Ø 125mm

H = 24mm*



Clipper's Tip

BEST WHEN USED ON NORTON CLIPPER CG125 (SEE PAGE 161)

PRO CG-PCD COMFORT



- PolyCrystalline Diamond (PCD) cup wheel, designed for the fast removal of glue, epoxy resins & paint.
- The embedded anti-vibration system provides comfort during use.

- Use a concrete cup wheel after using PCD wheels to ensure a great finish.

H = 18mm



MACHINES	Ø (mm)	CUP HEIGHT (mm)	BORE (mm)	PCD ELEMENTS	ITEM No.	EAN 13 Code
	125	18	22,23	12pcs	701846 45886	5450248 535492



CLASSIC CG-PCD



- Cost-effective PolyCrystalline Diamond (PCD) cup wheel.
- Designed for the fast removal of glue, epoxy resins & paint.

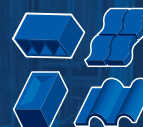
- Use a concrete cup wheel after using PCD wheels to ensure a great finish.

H = 19mm



MACHINES	Ø (mm)	CUP HEIGHT (mm)	BORE (mm)	PCD ELEMENTS	ITEM No.	EAN 13 Code
	125	19	22,23	12pcs	701846 93445	5450248 577317






EXTREME CUT' N GRIND



- Multi-purpose tool for cutting and grinding of building materials.
- i-HD™ technology offers longer life, a faster cut and a unique design.

- 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.

MACHINES	∅ (mm)	BORE	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	125	M14	25 / 3,9	701846 02036	5450248 719182



Clipper's Tip

ONE BLADE FOR TWO APPLICATIONS :
CUTTING AND GRINDING




PRO CUT' N GRIND



- Sintered Turbo shape, for fast material removal and good finishing quality in cutting and grinding.
- Equipped with an aluminium flange in connection M14 for offset cutting and grinding.

- Can be used for the same applications as diamond blades and diamond cup grinders.
- For use on concrete, washed concrete, blocks, ductile iron and natural stones.

MACHINES	∅ (mm)	BORE	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	100	M14	25 / 3,9	701846 41171	5450248 465591
	125	M14	25 / 3,9	701846 41172	5450248 465607



DIAMOND TOOLS FOR

MULTI MATERIALS

Multi-purpose blades for cutting concrete, reinforced concrete, roof tiles, pavements, blocks, granite, natural stone, asphalt, breeze blocks, sandstone and gridstone.



PRO 4X4 EXPLORER



LASER

The Pro 4x4 Explorer range is even better than before. Faster cutting, longer life, improved safety and greater comfort when used on any material are all additional benefits of this manufacturing process.

- Multipurpose blade cuts all materials.
- Up to 12mm segment height for more cuts per wheel.
- Trapezoid shaped segments give a comfortable, smoother cut with lower vibration levels.
- Patented cut depth indicator allows better visibility of cut depth when in use.
- Keep track of segment wear with the specially engraved wear indicator.
- Patented drop shaped gullets prevents fatigue cracks even when cutting thick metal.



For cutting off all the following materials :

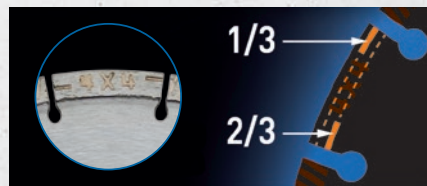
- Reinforced concrete
- Concrete lintels
- Limestone concrete
- Concrete roof tiles
- Paviments and blocks
- Granite & natural stones
- Asphalt
- Asphalt over concrete
- Breeze blocks
- Gridstone
- Sandstone
- Steel parts up to 5mm thick

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	115	22,23	10/2,2	701846 02018	5450248 720997
	125	22,23	10/2,2	701846 02019	5450248 721000
	180	22,23	10/2,5	701846 02020	5450248 721017
	230	22,23	12/2,5	701846 02021	5450248 721024
	300	20	12/3,0	701846 02022	5450248 721031
	300	25,4	12/3,0	701846 02023	5450248 721048
	350	20	12/3,2	701846 02091	5450248 721055
	350	25,4/20	12/3,2	701846 02092	5450248 721062
	350	25,4	12/3,2	701846 02093	5450248 721079
	400	25,4	12/3,2	701846 02095	5450248 721093
	400	20	12/3,2	701846 02094	5450248 721086
	450	25,4	12/3,2	701846 02096	5450248 721109
	500	25,4	10/3,8	701846 02097	5450248 721116

PRODUCT FEATURES



DROP-SHAPE GULLETS



SEGMENT-WEAR INDICATOR



PATENTED CUTTING DEPTH INDICATOR

QUICK FIX

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.

MACHINES	BORE OF BLADE (mm)	BORE OF MACHINE (mm)	ITEM No.	EAN 13 Code
	25,4	22,23	701846 23894	5450248 236528
	25,4/22,23	20	701846 22589	5450248 233176



DIAMOND TOOLS FOR

CERAMIC AND PORCELAIN TILES

Discover our diamond blades especially designed for cutting off : ceramic and porcelain tiles, vitrified reconstituted stone, glass, textured glass, glazed ceramic tiles, granite, marble, slate & hard natural stone.



EXTREME CERAMIC TURBO



QUALITY CUTTING OF HARD CERAMIC TILES.

- This 10mm high continuous rim blade is the perfect choice for a high quality cut.
- Premium diamond grade and free cutting metal bond make this blade perfect for cutting even the hardest tiles.
- 1,4mm thickness for fast cutting and reduced material wastage.
- The reinforced flange on the steel centre helps to keep the blade straight without causing damage to the tile.
- For use on angle grinders, rail tile and masonry saws.
- Can be used on ceramic, porcelain, gres wall and floor tiles.



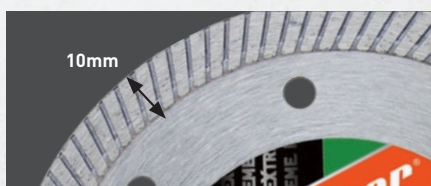
MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	115	22,23	10/1,4	701846 44759**	5450248 523994
	125	22,23	10/1,4	701846 44760**	5450248 524007
	180	22,23	10/1,4	701846 21970**	5450248 232193
	200	25,4	10/1,4	701846 25427*	5450248 345756
	230	22,23	10/1,4	701846 21973**	5450248 232186
	230	25,4	10/1,4	701846 27653*	5450248 385813
	250	25,4	10/1,6	701846 25428*	5450248 345763
	250	30	10/1,6	701846 45565**	5450248 531586
	300	25,4	10/1,9	701846 25429*	5450248 345787
	300	30	10/1,6	701846 45566**	5450248 531593

* Available on request

Formerly Super Gres XT* and Super Gres XT Evo**



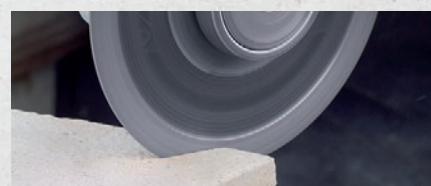
PRODUCT FEATURES



10mm HIGH DIAMOND RIM



1,4mm THICK BLADE



FAST CUTTING, CONTINUOUS RIM

EXTREME CERAMIC



- Continuous rim sintered diamond blade for wet cutting on masonry saws.
- Thin laser-cut slots to allow blade cooling and smoother cut.
- For use on glazed ceramic tiles, granite, marble, slate, quarry tiles.

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



Formerly Ceram XJ



PRO CERAMIC



- Good value for money continuous diamond rim.
- Can be used for dry or wet cutting.
- For use on ceramics, granite, marble, slate, quarry tiles.

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
Wet & dry cutting					
	115	22,23	9/1,6	701846 25942	5450248 347927
	125	22,23	9/1,6	701846 25940	5450248 347897
	180	22,23	9/1,7	701846 25944	5450248 347941
	230	22,23	9/2,2	701846 25946	5450248 347965

Formerly MD 110 CD

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

Formerly MD 120 C



CLASSIC CERAMIC TURBO



- Turbo continuous rimmed diamond blade faster & smoother cutting of hard ceramic tiles.
- Economical solution.
- For dry or wet cutting of porcelain and ceramic tiles.

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	115	22,23	7/1,6	701846 27645	5450248 385745
	125	22,23	7/1,6	701846 27646	5450248 385752

Formerly Classic Ceram XT



CLASSIC CERAMIC



- Value for money continuous rimmed diamond blade.
- Dry or wet cutting of medium hard tiles and ceramic tiles.

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	115	22,23	7/1,6	701846 26825	5450248 353317
	125	22,23	7/1,6	701846 26826	5450248 353324
	180	25,4/22,23	7/1,7	701846 26828	5450248 353348
	200	30/25,4	7/1,7	701846 26829	5450248 353355
	230	22,23	7/1,8	701846 26830	5450248 353362
	230	25,4	7/1,8	701846 28734	5450248 396499
	250	25,4	7/1,8	701846 26831	5450248 353379
	300	25,4	7/2,1	701846 26832	5450248 353386
	350	25,4	7/2,1	701846 26833	5450248 353393





BLADES FOR CERAMIC & PORCELAIN TILES FOR ANGLE GRINDERS, TILE SAWS & MASONRY SAWS

PRO CERAMIC GLASS



- Continuous rim diamond blade for cutting glass and glazed materials.
- For use on glass, textured glass tiles and glazed ceramic tiles.
- The dedicated specification provides the best quality of cut on glass and vitreous materials.

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	180	25,4	10/1,6	701846 30184	5450248 412618
	200	25,4	10/1,6	701846 30185	5450248 412625
	230	25,4	10/1,6	701846 30187	5450248 412649
	250	25,4	10/1,6	701846 30188	5450248 412656



Formerly Pro Glass

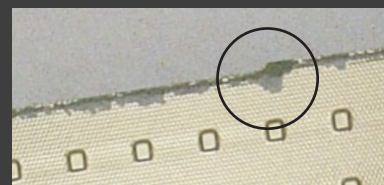


Clipper's Tip

WE RECOMMEND THE USE OF CLIPPER PRO GLASS FOR CUTTING THE NEW SAINT-GOBAIN "FEELING" RANGE OF DECORATIVE GLASS TILES.



CLIPPER PRO GLASS



STANDARD CERAMIC TILE BLADE

DIAMOND BLADES FOR

GRANITE, MARBLE & NATURAL STONE



EXTREME GRANITE



LASER

FEATURES

- 15mm segment height laser welded segments.
- Innovative specification.
- Exclusive "arrow" shaped gullet slots.
- Duo concept: two trapezoidal segments.

BENEFITS

- Very long life.
- Specially designed for the cutting of hard materials like granite or natural stone.
- Permanently indicates the correct direction of rotation.
- Optimum safety against segment lost.
- Easier removal cutting debris.
- Excellent cutting speed.
- Smooth cut, low vibration.



- Duo-shape 15mm high laser-welded segments.
- For use on granite, natural stone, concrete slabs and blocks.
- The 'Duo' shaped trapezoidal segments produced with i-HD™ technology offer longer life, excellent cutting speed, improved comfort and increased safety.

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	230	22,23	15/2,6	701846 01172	5450248 702702
	300	20	15/2,8	701846 01173	5450248 702719
	350	25,4	15/2,8	701846 01174	5450248 702726



Formerly Duo Granite+



Clipper's Tip

USE QUICKFIX SYSTEM FOR THE BLADE TO FIT MACHINES WITH DIFFERENT ARBOR/SHAFT DIAMETER (SEE PAGE 44)

EXTREME STRADALIT



LASER

- Laser-welded, 10mm high segments, with silent steel-center.
- High performance wet cutting blade.
- Application: very hard natural stone, cured clay paviors and engineering bricks, for wet cutting on masonry saws.

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	350	25,4	10/2,5	701846 21132	5450248 231394
	400	25,4	10/2,5	701846 23047	5450248 326014

Formerly Super Stradalit Evo





PRO GRANITE TURBO



LASER

- The 12mm segment height provides very long life, while the corrugated segment shape generates reduced friction and higher cutting speed. Fast cutting speed in a wide range of materials, specially designed to perform in granite and hard stones.
- Very good value for money laser-welded blade, for both wet or dry cutting.
- For use on granite, engineering bricks, hard pavements, slate, concrete slabs.

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

Formerly Granite Turbo Laser



PRO GRANITE



LASER

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

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	300	25,4	10/2,5	701846 10384	5450248 009030
	350	25,4	10/3,0	701846 10385	5450248 009047
	400	25,4	10/3,2	701846 10386	5450248 009054
	450	25,4	10/3,4	701846 10436	5450248 010142
	500	25,4	7/3,2	701846 10437	5450248 230755
	600	25,4	7/4,4	701846 10438	5450248 230748
<i>Formerly Granito</i>					
	625	60/55	12/4,4	701846 93972	5450248 586593
	650	25,4	12/4,4	701846 47265	5450248 564225
	700	60/55	12/4,4	701846 47264	5450248 564218
	900	60/55	12/4,4	701846 47266	5450248 564232
	1000	60/55	12/4,4	701846 47263	5450248 564201

Pro Universal Laser (Formerly BS-12)





BLADES FOR GRANITE & NATURAL STONE FOR ANGLE GRINDERS, HANDHELD CUT OFF SAWS & MASONRY SAWS

PRO MARMO



- Quality value for money blade.
- Suitable for granite, marble and natural stone.
- For use on angle grinders, cut-off saws and masonry saws.
- Specific manufacturing process allows the smoothest cut in hard materials.
- Electroplated diamond blade.
- The drop-down diamond inserts on the steel centre clean the cutting profile to ensure the best quality of cut.
- For fast and smooth cutting of marble and soft brittle natural stones, plastics, composite materials, fiber-glass resins.

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	50	6	2,4	701846 29965	5450248 408567
	115	22,23	2,4	701846 26663	5450248 351498
	125	22,23	2,4	701846 26666	5450248 351528
	180	22,23	2,8	701846 26667	5450248 351535
	230	22,23	2,8	701846 26668	5450248 351542
	300	25,4	2,9	701846 20243	5450248 298533
	350	25,4	2,9	701846 20244	5450248 298557

Formerly Marmo Pro



PRO MARMO 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.

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	115	M14	2,4	701846 40590	5450248 460022
	125	M14	2,4	701846 40591	5450248 460039
	230	70/22,23 + Flange	2,8	701846 40592	5450248 460046

Formerly Pro Surf



DIAMOND TOOLS FOR

ASPHALT & ABRASIVE MATERIALS

Discover our blades especially designed for cutting off : Asphalt, Asphalt over concrete, green concrete, bitumen, cement joints, breeze blocks, Lignacite blocks



EXTREME ASPHALT



***LASER**

FEATURES

- 15mm segment height*
- Patented depth of cut indicator with stroboscope effect*
- 8 high wear protection 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 centre from under-cutting.
- Extended life.
- Excellent cutting speed and low vibration.
- High comfort of cut.
- Fast removal of cutting debris.
- Permanently indicates the correct direction of rotation.



* Only on blades for <20HP machines



Unique laser welded blade suitable for asphalt and abrasive materials. Due to its innovative design, the Extreme Asphalt blade 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.

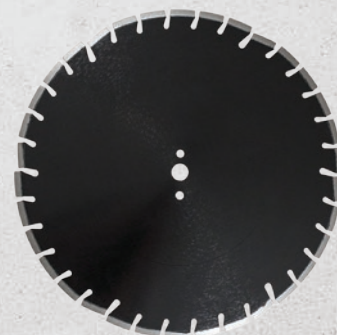
For use on asphalt, asphalt over concrete, green concrete and abrasive building materials.

MACHINE	POWER	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	< 20HP	300	20	15/3	701846 94907	5450248 695608
	< 20HP	350	25,4	15/3,2	701846 94537	5450248 689393
	< 20HP	400	25,4	15/3,2	701846 94911	5450248 695615
	< 20HP	450	25,4	15/3,2	701846 94912	5450248 695622
	< 20HP	500	25,4	15/3,6	701846 94913	5450248 695639

Formerly Duo Asphalt+



NAME	MACHINE	POWER	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
Asphalt 10		20 - 30HP	350	25,4	10/3,2	701846 40186*	5450248 454922
		20 - 30HP	400	25,4	10/3,2	701846 40189*	5450248 454939
		20 - 30HP	450	25,4	10/3,2	701846 40190*	5450248 454946
		20 - 30HP	500	25,4	10/4,3	701846 40191	5450248 454953
		20 - 30HP	600	25,4	10/4,3	701846 40192	5450248 454977
		20 - 30HP	700	25,4	10/4,3	701846 40193	5450248 699699
		20 - 30HP	800	25,4	10/4,3	701846 40194*	5450248 455097
		20 - 30HP	900	25,4	10/4,3	701846 40195	5450248 455103
Asphalt 20		20 - 30HP	1000	25,4	10/4,3	701846 40196*	5450248 455127
		30 - 60HP	350	25,4	10/3,2	701846 40197*	5450248 455134
		30 - 60HP	400	25,4	10/3,2	701846 40198*	5450248 455141
		30 - 60HP	450	25,4	10/3,2	701846 40199*	5450248 455158
		30 - 60HP	500	25,4	10/4,3	701846 40200*	5450248 455165
		30 - 60HP	600	25,4	10/4,3	701846 40201*	5450248 455172
		30 - 60HP	700	25,4	10/4,3	701846 40202	5450248 455189
		30 - 60HP	800	25,4	10/4,3	701846 40203*	5450248 455196
		30 - 60HP	900	25,4	10/4,3	701846 40204	5450248 455202
		30 - 60HP	1000	25,4	10/4,3	701846 40205*	5450248 455219



* Available on request

Formerly Platinum

BLADES FOR ASPHALT & ABRASIVE MATERIALS FOR HAND-HELD CUT-OFF SAWS, FLOOR SAWS & MASONRY SAWS



NAME	MACHINE	POWER	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
Asphalt 30		60 - 80HP	350	25,4	10/3,2	701846 40206*	5450248 455226
		60 - 80HP	400	25,4	10/3,2	701846 40207*	5450248 455233
		60 - 80HP	450	25,4	10/3,2	701846 40208*	5450248 455257
		60 - 80HP	500	25,4	10/4,3	701846 40209*	5450248 455264
		60 - 80HP	600	25,4	10/4,3	701846 40210*	5450248 455271
		60 - 80HP	700	25,4	10/4,3	701846 40211*	5450248 455288
		60 - 80HP	800	25,4	10/4,3	701846 40212*	5450248 455295
		60 - 80HP	900	25,4	10/4,3	701846 40213*	5450248 455301
		60 - 80HP	1000	25,4	10/4,3	701846 40214*	5450248 455318
Asphalt 40		>80HP	350	25,4	10/3,2	701846 40215*	5450248 455325
		>80HP	400	25,4	10/3,2	701846 40216*	5450248 455332
		>80HP	450	25,4	10/3,2	701846 40217*	5450248 455349
		>80HP	500	25,4	10/4,3	701846 40218*	5450248 455356
		>80HP	600	25,4	10/4,3	701846 40219*	5450248 455363
		>80HP	700	25,4	10/4,3	701846 40220*	5450248 455387
		>80HP	800	25,4	10/4,3	701846 40221*	5450248 455394
		>80HP	900	25,4	10/4,3	701846 40222*	5450248 455417
		>80HP	1000	25,4	10/4,3	701846 40223*	5450248 455424

* Available on request

Formerly Platinum

PRO ASPHALT



LASER

- Very good value for money laser welded blade for intensive use and long life.
- Featuring patented depth indicator for blade life monitoring and indication of cutting direction (up to diameter 450mm).
- Undercutting protection on the steel centre thanks to slanted segments.
- For use on asphalt, asphalt over concrete, green concrete and abrasive building materials.

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

Formerly Super Asphalt Evo



CLASSIC ASPHALT



LASER

- Good value for money laser welded blade for dry or wet cutting.
- For use on asphalt, asphalt over concrete, green concrete, abrasive materials and concrete roof tiles.

MACHINES	POWER	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	< 20HP	300	20	10/2,5	701846 26876	545024 8353706
	< 20HP	300	25,4	10/2,5	701846 26877	545024 8353713
	< 20HP	350	20	10/2,8	701846 26878	545024 8353737
	< 20HP	350	25,4	10/2,8	701846 26879	545024 8353744
	< 20HP	400	20	10/3,2	701846 45242	545024 8528043
	< 20HP	400	25,4	10/3,2	701846 26880	545024 8353751
	< 20HP	450	25,4	10/3,2	701846 26881	545024 8353768
	< 20HP	500	25,4	10/3,2	701846 01944	545024 8716228
	< 20HP	600	25,4	10/3,2	701846 01945	545024 8716235

500-600mm with undercutting protection segments

Formerly Classic Asphalt





BLADES FOR GREEN CONCRETE FOR FLOOR SAWS

EXTREME GREEN CONCRETE

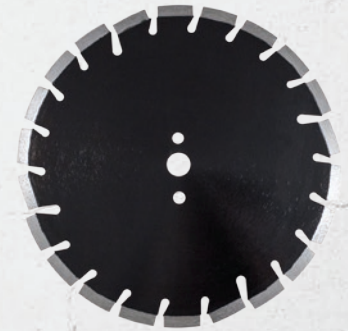


***LASER**

- 12mm high laser welded segments for longer life.
- For use on green concrete, lignacite and tarmac top blocks for machines up to 25HP.
- Wear protection segments to prevent under-cutting of the steel core.

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	300	25,4	12/3	701846 30981	5450248 449515
	350	25,4	12/3	701846 30856	5450248 447948

Formerly Xenon 6 Black



PRO GREEN CONCRETE



***LASER**

- Laser welded segments for wet cutting.
- For use on green concrete, lignacite and tarmac top blocks.
- Wear protection segments to help prevent under-cutting of the steel centre.

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	300	25,4	10/2,5	701846 24684	5450248 237815
	350	25,4	10/2,8	701846 24685	5450248 237822

Formerly M45 Evo



EXTREME ASPHALT LB



Diamond blades with wide segments for loop cutting asphalt and abrasive materials with a floor saw.

FEATURES/BENEFITS

- Large choice of segment widths to suit all loop cutting applications on abrasive materials.
- Thick steel centre and hammer segments for better protection against under-cutting of the steel core.



MACHINES	Ø (mm)	BORE (mm)	SEGMENT WIDTH (mm)	ITEM No.	EAN 13 Code
	350	25,4	6	701846 18295*	5450248 295389
	350	25,4	8	701846 18296*	5450248 295396
	350	25,4	10	701846 15813	5450248 269052
	350	25,4	12	701846 45773*	5450248 719809
	350	25,4	13-15	701846 45779*	5450248 719823
	350	25,4	16	701846 25118*	5450248 564867
	350	25,4	>16	701846 41989*	5450248 567721
	450	25,4	6	701846 20387*	5450248 299936
	450	25,4	8	701846 18300*	5450248 295433
	450	25,4	10	701846 15815*	5450248 269076
	450	25,4	12	701846 45775*	5450248 719816
	450	25,4	13-15	701846 45781*	5450248 719830
	450	25,4	16	701846 20836*	5450248 304548
	450	25,4	>16	701846 41992*	5450248 567745
	600	25,4	10	701846 22484*	5450248 320814
	600	25,4	>16	701846 30895*	5450248 566847

* Available on request

Formerly Platinum LB

DIAMOND BLADES FOR

REFRACTORY MATERIALS

Discover our blades especially designed for cutting off : Electrofused, Corhart ZAC, Corhart 104, Zirconia, Jargal, Mullite, Alumina, Basalt, Oxydes - Dolomite, Tar & Magnesite, Oxydes - Magnesite & Chromite, Chrome. low and high content of alumina. Oxydes - Zirconia, Silica, Beauxite, Durital, Rocal, Zirmul, Non oxydes - silicon carbide, Carborundum, Graphite... and all refractory materials.



EXTREME RC



Norton Clipper offers a high performance range diamond blades that have been specifically developed for professional contractors specializing in the maintenance of industrial surfaces.

Discover our wide selection of blades for all types of refractory bricks.



RECOMMENDATION GUIDE

	RC400	RC465	RC525	RC540	RC575	PRO BETON	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%) (SiO ₂)				•		•		
LOW CONTENT ALUMINIA (AL ₂ O ₃ 25-70%)								
Fireclay			•			•	•	
HIGH CONTENT ALUMINIA (AL ₂ O ₃ 70-95%)								
Mulite, Beauxite, Durital, Rocal, Zirmul				•		•		
ELECTROFUSED								
Corhart ZAC, Corhart 104, Zirconia, Jargal	•							
Mulite, Alumina, Basalt	•							
INSULATION			•			•	•	

Most diameters are also available as "silent" versions



EXTREME RC400



***LASER**

- Laser-welded diamond blade with key-hole geometry.

- For use on electrofused - Corhart ZAC, Corhart 104, Zirconia, Jargal, Mullite, Alumina, Basalt.

MACHINES	Ø (mm)	BORE (mm)	STEEL TYPE	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	350	25,4	Standard	10/2,8	701846 26203*	5450248 466291
	400	25,4	Standard	10/3,2	701846 26204*	5450248 466307
	450	25,4	Standard	10/3,8	701846 26205*	5450248 466314
	500	25,4	Standard	10/3,8	701846 26206	5450248 466321
	600	25,4	Standard	10/3,8	701846 26586*	5450248 466338

* Available on request



EXTREME RC465



***LASER**

- Laser-welded diamond blade with key-hole geometry.

- For use on oxydes - Dolomite, Tar & Magnesite.

MACHINES	Ø (mm)	BORE (mm)	STEEL TYPE	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	350	25,4	Standard	10/3,2	701846 45262	5450248 528135
	400	25,4	Standard	10/3,2	701846 26316	5450248 393146
	450	25,4	Standard	10/3,8	701846 26317*	5450248 372158
	500	25,4	Standard	10/3,8	701846 26318	5450248 372165
	600	25,4	Standard	10/3,8	701846 26319*	5450248 393153
	650	25,4	Standard	10/3,8	701846 29314	5450248 466345

* Available on request



EXTREME RC525



***LASER**

- Laser-welded diamond blade with key-hole geometry.
- Fireclay. Insulation.

- For use on oxydes - Magnesite & Chromite, Chrome. Low Content Alumina < 70%.

MACHINES	Ø (mm)	BORE (mm)	STEEL TYPE	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	350	25,4	Standard	10/2,8	701846 26284*	5450248 466376
	400	25,4	Standard	10/2,8	701846 28207	5450248 564409
	450	25,4	Standard	10/3,8	701846 26282*	5450248 466352
	500	25,4	Standard	10/3,8	701846 26283	5450248 466369
	600	25,4	Standard	10/3,8	701846 26706*	5450248 466383

* Available on request





BLADES FOR REFRACTORY MATERIALS FOR MASONRY SAWS

EXTREME RC540



***LASER**

- Laser-welded diamond blade with wide-gullet geometry.
- Beauxite, Durital, Rocal, Zirmul.
- For use on Oxydes - Zirconia, Silica. High Content Alumina >70% - Mullite.

MACHINES	Ø (mm)	BORE (mm)	STEEL TYPE	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	350	25,4	Standard	10/2,8	701846 26285	5450248 393108
	400	25,4	Standard	10/3,2	701846 26286	5450248 393115
	450	25,4	Standard	10/3,8	701846 26287	5450248 393122
	500	25,4	Standard	10/3,8	701846 26288	5450248 393139
	600	25,4	Standard	10/3,8	701846 26707*	5450248 393177

* Available on request



EXTREME RC575



***LASER**

- Laser-welded diamond blade with wide-gullet geometry.
- For use on Non Oxydes - Silicon Carbide, Carborundum, Graphite.

MACHINES	Ø (mm)	BORE (mm)	STEEL TYPE	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	350	25,4	Standard	10/2,8	701846 26320	5450248 466413
	400	25,4	Standard	10/3,2	701846 26321*	5450248 466437
	450	25,4	Standard	10/3,8	701846 26322	5450248 466444
	500	25,4	Standard	10/3,8	701846 26323*	5450248 466451
	600	25,4	Standard	10/3,8	701846 26324*	5450248 466468

* Available on request





PRO BETON



LASER

- 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.
- For use on concrete, reinforced concrete, concrete slabs, refractory blocks containing aluminium oxides.

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

Formerly ZDH500



PRO ZDM 200



LASER

- Very good value for money laser welded Refractory blade for wet or dry cutting.
- For use on refractory materials such as oxides, magnesite, chromite and insulation bricks.

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	350	25,4	7/2,4	701846 10238	5450248 004424
	450	25,4	7/3,2	701846 10239	5450248 004431
	500	25,4	7/3,2	701846 10240	5450248 242505



PRO ZMD 944T



LASER

- Very good value for money laser welded Refractory blade for wet or dry cutting.
- For use on refractory materials such as oxides, magnesite, chromite and insulation bricks.

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.	EAN 13 Code
	350	25,4	7/2,4	701846 10284	5450248 005582
	450	25,4	7/3,2	701846 10285	5450248 005599
	500	25,4	7/3,2	701846 10286	5450248 230151



DRILLING CORE BITS FOR CONCRETE

Discover our core bits especially designed for drilling : 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.



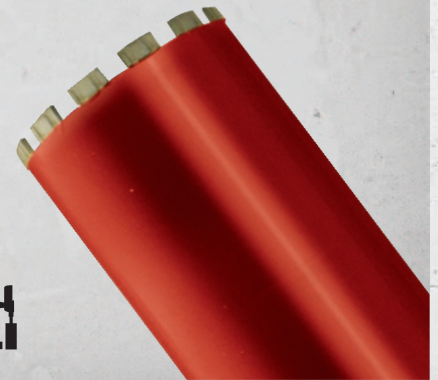
EXTREME CB BETON



LASER

The Extreme CB Beton diamond core bit 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.
- **Applications:** concrete and reinforced concrete.



OD / ID* (mm)	SEGMENT L / W / H (mm)	No. SEGMENTS	ITEM No.	EAN 13 Code
48/41	24/3,6/12	4	701846 29370	5450248 414544
52/45	24/3,6/12	4	701846 29161	5450248 403296
57/50	24/3,6/12	5	701846 30406**	5450248 440093
62/55	24/3,6/12	5	701846 29338	5450248 414551
67/60	24/3,6/12	5	701846 29162	5450248 403302
77/70	24/3,6/12	6	701846 29163	5450248 403319
82/75	24/3,6/12	6	701846 29174	5450248 403364
87/80	24/3,6/12	7	701846 30450	5450248 441397
92/85	24/3,6/12	7	701846 29167	5450248 403234
102/95	24/3,6/12	8	701846 29176	5450248 403388
107/100	24/3,6/12	9	701846 29091	5450248 403265
112/105	24/3,6/12	9	701846 29052	5450248 403258
117/110	24/3,6/12	9	701846 29685**	5450248 566458
122/114	24/4/12	9	701846 29455	5450248 414568
127/119	24/4/12	10	701846 29175	5450248 403371
132/124	24/4/12	10	701846 29339	5450248 414575
142/134	24/4/12	10	701846 29866**	5450248 557296
152/144	24/4/12	11	701846 29104	5450248 403272
162/154	24/4/12	12	701846 29165	5450248 403326
178/170	24/4/12	13	701846 29166	5450248 403333
182/174	24/4/12	13	701846 29349	5450248 403418
187/179	24/4/12	14	701846 29177**	5450248 403395
192/184	24/4/12	14	701846 30380	5450248 565826
202/192	24/5/12	14	701846 29178	5450248 403401
212/202	24/5/12	15	701846 29151**	5450248 403289
225/215	24/5/12	15	701846 29179	5450248 414582
230/220	24/5/12	15	701846 30442	5450248 441311
250/240	24/5/12	16	701846 29180	5450248 414698
272/262	24/5/12	17	701846 29912**	5450248 585558
276/266	24/5/12	17	701846 29843**	5450248 566502
300/290	24/5/12	18	701846 29534**	5450248 547198
325/315	24/5/12	18	701846 29913**	5450248 564003
350/340	24/5/12	19	701846 29701**	5450248 556497
400/390	24/5/12	20	701846 29902**	5450248 521914
450/440	24/5/12	22	701846 30038**	5450248 566595
500/490	24/5/12	24	701846 30998**	5450248 449379
550/540	24/5/12	26	701846 30936**	5450248 448969
600/590	24/5/12	28	701846 01678**	5450248 709220
650/640	24/5/12	29	701846 47527**	5450248 562153

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

Formerly X3



PRO CB BETON CROWNED



- **Useful length:** 300mm.
- **Connection:** 1/2" Male thread.
- **Applications:** for concrete and masonry walls.
- Professional crownbit for small diameters wet-drilling jobs.
- Brazed crownbit for wet-drilling.

OD / ID* (mm)	CROWN W / H (mm)	No. SEGMENTS	ITEM No.	EAN 13 Code
14/10	7/2,0	1 Crown	701846 12947	5450248 020585
16/12	7/2,0	1 Crown	701846 12823	5450248 015901
18/14	7/2,0	1 Crown	701846 12824	5450248 015918
20/16	7/2,0	1 Crown	701846 12825	5450248 015925
22/18	7/2,0	1 Crown	701846 12826	5450248 015932
25/21	7/2,0	1 Crown	701846 12827	5450248 015949
28/24	7/2,0	1 Crown	701846 12828	5450248 015956
30/26	7/2,0	1 Crown	701846 12829	5450248 015963
32/28	7/2,0	1 Crown	701846 12830	5450248 015970
35/31	7/2,0	1 Crown	701846 12831	5450248 015987
38/34	7/2,0	1 Crown	701846 12833	5450248 016007
40/36	7/2,0	1 Crown	701846 12834	5450248 016014
51/47	7/2,0	1 Crown	701846 12835	5450248 016021

* OD / ID: Outer Diameter / Inner Diameter.



PRO CB BETON XT



***LASER**



- **Useful length:** 300mm.
- **Connection:** 1/2" Male thread.
- **Applications:** for use on concrete and re-enforced concrete, brick and masonry walls.
- Light weight laser welded core bit for handheld drilling applications.
- 10mm high extra thin tapered top segments for very fast drilling and quick start.

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

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





CORE BITS FOR CONCRETE

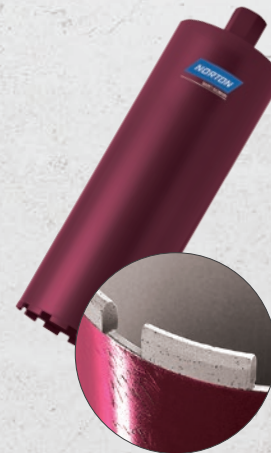
PRO CB BETON



- **Useful length:** 450mm.
- **Connection:** 1 1/4" UNC female thread.
- **Applications:** concrete and reinforced concrete, masonry blocks. Also suitable for asphalt & abrasive materials.
- Core drills with laser welded segments for wet drilling. The special tapered-shape segments allow for an easier start of the drill.

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

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



PRO CB BETON SOFT



- **Useful length:** 450mm.
- **Connection:** 1 1/4" UNC female thread.
- **Applications:** Concrete, reinforced concrete and hard building materials.
- 10mm brazed segments for wet drilling.
- Special soft bound for use in harder materials or for high speed drillings.

OD / ID* (mm)	SEGMENT L / W / H (mm)	No. SEGMENTS	ITEM No.	EAN 13 Code
48/41	24/3,5/10	4	701846 94640	5450248 691013
52/45	24/3,5/10	4	701846 94641	5450248 691020
67/60	24/3,5/10	5	701846 94642	5450248 691037
77/70	24/3,5/10	6	701846 94643	5450248 691044
82/75	24/3,5/10	6	701846 94644	5450248 691051
100/93	24/3,5/10	9	701846 94585	5450248 690115
102/95	24/3,5/10	9	701846 01394	5450248 707615
107/100	24/3,5/10	9	701846 94645	5450248 691068
127/119	24/4,0/10	10	701846 94646	5450248 691075
132/124	24/4,0/10	10	701846 94647	5450248 691082
152/144	24/4,0/10	10	701846 94648	5450248 691099
202/192	24/4,5/10	11	701846 94649	5450248 691105
250/240	24/5,0/10	14	701846 94650	5450248 691112

* OD / ID: Outer Diameter / Inner Diameter.

Formerly X14





CLASSIC CB BETON



- **Useful length:** 450mm.
- **Connection:** 1 1/4" UNC female thread.
- **Applications:** for concrete and masonry walls.
- Core drill with brazed segments.
- Good value for money.

OD / ID* (mm)	SEGMENT L / W / H (mm)	No. SEGMENTS	ITEM No.	EAN 13 Code
51/45	24/3,0/10	5	701846 13201	5450248 184355
56/50	24/3,0/10	5	701846 13202	5450248 184119
61/55	24/3,5/10	5	701846 13203	5450248 184126
66/59	24/3,5/10	6	701846 13204	5450248 184133
71/64	24/3,5/10	6	701846 13205	5450248 184140
76/69	24/3,5/10	6	701846 13206	5450248 184157
81/74	24/3,5/10	7	701846 13207	5450248 184164
86/79	24/3,5/10	7	701846 13208	5450248 184171
91/84	24/3,5/10	8	701846 13209	5450248 184188
101/94	24/3,5/10	8	701846 13210	5450248 184195
106/99	24/3,5/10	9	701846 13211	5450248 184201
111/104	24/3,5/10	9	701846 13212	5450248 184218
121/114	24/3,5/10	10	701846 13213	5450248 184225
126/118	24/4,0/10	10	701846 13214	5450248 184232
131/123	24/4,0/10	10	701846 13215	5450248 184249
141/133	24/4,0/10	11	701846 13216	5450248 184256
151/143	24/4,0/10	12	701846 13217	5450248 184263
161/153	24/4,0/10	12	701846 13218	5450248 184270
171/163	24/4,0/10	13	701846 13219	5450248 184287
181/173	24/4,0/10	13	701846 13220	5450248 184294
186/178	24/4,0/10	13	701846 30513	5450248 442585
191/183	24/4,0/10	13	701846 13221**	5450248 184300
201/193	24/4,0/10	14	701846 13222	5450248 184317
211/203	24/4,0/10	14	701846 13223	5450248 184324
225/215	24/5,0/10	15	701846 13252	5450248 184911
251/241	24/5,0/10	16	701846 13224	5450248 184331
271/261	24/5,0/10	18	701846 13253	5450248 184928
300/290	24/5,0/10	20	701846 13225	5450248 184348

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



CLASSIC CB BETON SOFT



- **Useful length:** 450mm.
- **Connection:** 1 1/4" UNC female thread.
- **Applications:** concrete, masonry walls and harder materials.
- Core drill with laser welded segments.
- Good value for money.

OD / ID* (mm)	SEGMENT L / W / H (mm)	No. SEGMENTS	ITEM No.	EAN 13 Code
51/45	24/3,0/10	3	701846 24203	5450248 235521
61/55	24/3,5/10	3	701846 24204	5450248 235538
81/74	24/3,5/10	4	701846 24206	5450248 235552
101/94	24/3,5/10	6	701846 24208	5450248 235576
111/104	24/3,5/10	7	701846 24210	5450248 235583
121/114	24/3,5/10	7	701846 24209	5450248 235590
131/124	24/4,0/10	7	701846 24211	5450248 235606
151/143	24/4,0/10	8	701846 24212	5450248 235613
161/153	24/4,0/10	8	701846 24213	5450248 235620

* OD / ID: Outer Diameter / Inner Diameter.

Formerly Classic CDT





CORE BITS FOR CONCRETE

PRO CB BETON ROBO



- For concrete, reinforced concrete, concrete pipes, ductile iron pipes.
- Useful length: 300mm.

- Connection: 3-hole flange.
- Especially adapted for use on ROBO core drilling machine.

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



Clipper's Tip

USE THE NORTON CLIPPER 3-HOLED FLANGE WITH 1 1/4" FEMALE ADAPTOR - 3100 04594.



* OD / ID: Outer Diameter / Inner Diameter. ** Available on request.
For retipping segments see Classic CB Beton segments

Formerly Robo Forsheda

EXTREME CB BETON SEGMENTS



- **Applications:** concrete and reinforced concrete.
- Retipping segments for Extreme Beton corebits.

RANGE (mm)	SEGMENT L / W / H (mm)	ITEM No.	EAN 13 Code
42-57	24/2,8/10	3103 90374	5450248 537267
58-72	24/2,8/10	3103 90375	5450248 537274
73-87	24/2,8/10	3103 90386	5450248 537281
88-102	24/2,8/10	3103 90387	5450248 537298
103-117	24/2,8/10	3103 90388	5450248 537304
118-146	24/3,2/10	3103 90389	5450248 537311
147-190	24/3,2/10	3103 90391	5450248 537311
191-290	24/3,5/10	3103 90392	5450248 537328
291-490	24/4,0/10	3103 90406	5450248 537342



Formerly X3 Segments



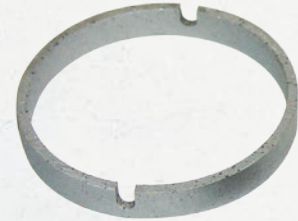
PRO CB BETON CROWNS



- **Applications:** Concrete and reinforced concrete, masonry.
- Retipping crowns for Pro Beton CB crownbits.

OD / ID* (mm)	CROWN H / W (mm)	ITEM No.	EAN 13 Code
14/10	7/2,0	3103 28465	5450248 457084
16/12	7/2,0	3103 28467	5450248 457107
18/14	7/2,0	3103 28468	5450248 457114
20/16	7/2,0	3103 28469	5450248 457121
22/18	7/2,0	3103 28470	5450248 457138
25/21	7/2,0	3103 28482	5450248 457244
26/22	7/2,0	3103 28483	5450248 457251
28/24	7/2,0	3103 28485	5450248 457275
30/26	7/2,0	3103 28486	5450248 457282
32/28	7/2,0	3103 28487	5450248 457299
35/31	7/2,0	3103 28488	5450248 457305
38/34	7/2,0	3103 28497	5450248 457343
40/36	7/2,0	3103 28490	5450248 457329
51/47	7/2,0	3103 28491	5450248 457336

* OD / ID: Outer Diameter / Inner Diameter.



PRO CB BETON SEGMENTS



- **Applications:** Concrete and reinforced concrete, masonry blocks. Also suitable for asphalt & abrasive materials.
- Retipping segments for Pro CB Beton segmented corebits.

RANGE (mm)	SEGMENT L / W / H (mm)	ITEM No.	EAN 13 Code
42-57	24/3,5/10	3103 77850	5450248 497929
58-72	24/3,5/10	3103 77851	5450248 497936
73-87	24/3,5/10	3103 77852	5450248 497943
88-102	24/3,5/10	3103 77853	5450248 497967
103-117	24/4,0/10	3103 77854	5450248 497974
118-146	24/4,0/10	3103 77855	5450248 497981
147-190	24/4,0/10	3103 77886	5450248 498094
191-290	24/4,5/10	3103 77887	5450248 498117
291-490	24/5,0/10	3103 77888	5450248 498124
500-1000	24/5,0/10	3103 77890	5450248 537243



PRO CB BETON SOFT SEGMENTS



RANGE (mm)	SEGMENT L / W / H (mm)	ITEM No.	EAN 13 Code
42-57	24/3,5/10	3104 61243	5450248 720836
58-72	24/3,5/10	3104 61244	5450248 720843
73-87	24/3,5/10	3104 59189	5450248 720799
88-102	24/3,5/10	3104 59337	5450248 720812
103-117	24/4,0/10	3104 61245	5450248 720850
118-146	24/4,0/10	3104 61266	5450248 720867
147-190	24/4,0/10	3104 59338	5450248 720829
191-290	24/4,5/10	3104 59336	5450248 720805
291-490	24/5,0/10	3104 61358	5450248 720874
500-1000	24/5,0/10	3104 61359	5450248 720881



Formerly X14



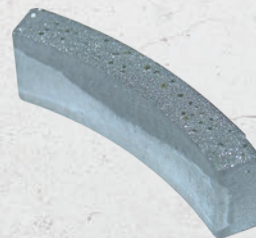
CORE BITS FOR CONCRETE

CLASSIC CB BETON SEGMENTS



- **Applications:** concrete and concrete products.
- Retipping segments for Classic CB Beton corebits.

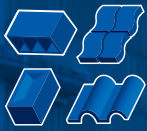
RANGE (mm)	SEGMENT L / W / H (mm)	ITEM No.	EAN 13 Code
51-61	24/3,0/10	3100 02554	5450248 167921
66-76	24/3,5/10	3100 02555	5450248 167938
81-91	24/3,5/10	3100 02556	5450248 167945
96-116	24/3,5/10	3100 02557	5450248 167952
121-151	24/4,0/10	3100 02558	5450248 167969
156-186	24/4,0/10	3100 02559	5450248 167976
191-221	24/4,0/10	3100 02560	5450248 167983
225	24/5,0/10	3100 02561	5450248 167990



DRILLING CORE BITS FOR UNIVERSAL BUILDING MATERIALS

Core bits especially designed for drilling masonry and light building materials on hand held machines. Ideal for plumbers and electricians.





CORE BITS FOR UNIVERSAL BUILDING MATERIALS

EXTREME CB UNIVERSAL



LASER



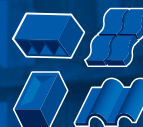
- **Useful length:** 150mm (former DD5 Gold, connection M16), 250 and 300mm (former DD6 Gold, connection 1 1/4").
- For dry-drilling of non-reinforced masonry walls, poroton, concrete blocks and abrasive materials.
- New swirled core for reduced friction and improved dust removal (Former DD5 Gold)

OD* (mm)	CONNECTION	SEGMENT HEIGHT (mm)	No. SEGMENTS	CORE LENGTH (mm)	ITEM No.	EAN 13 Code
32	M16 female thread	7	2	150	701846 01872**	5450248 714590
36	M16 female thread	7	3	150	701846 01873**	5450248 714606
	1 1/4" UNC Female	9	4	300	701846 01777***	5450248 712206
42	M16 female thread	7	3	150	701846 01791**	5450248 712336
	1 1/4" UNC Female	9	4	300	701846 01779***	5450248 712213
52	M16 female thread	7	3	150	701846 01792**	5450248 712343
	1 1/4" UNC Female	9	4	300	701846 01780***	5450248 712220
65	M16 female thread	7	3	150	701846 01793**	5450248 712350
	1 1/4" UNC Female	9	4	300	701846 01781***	5450248 712237
82	M16 female thread	7	4	150	701846 01794**	5450248 712367
	1 1/4" UNC Female	9	4	300	701846 01782***	5450248 712244
91	M16 female thread	7	5	150	701846 01874**	5450248 714613
102	M16 female thread	7	5	150	701846 01795**	5450248 712374
	1 1/4" UNC Female	9	5	300	701846 01783***	5450248 712251
107	M16 female thread	7	5	150	701846 01796**	5450248 712381
	1 1/4" UNC Female	9	5	300	701846 01784***	5450248 712268
117	M16 female thread	7	6	150	701846 01797**	5450248 712398
	1 1/4" UNC Female	9	6	300	701846 01785***	5450248 712275
127	M16 female thread	7	6	150	701846 01798**	5450248 712404
	1 1/4" UNC Female	9	6	300	701846 01786***	5450248 712282
142	1 1/4" UNC Female	9	7	250	701846 01787***	5450248 712299
152	M16 female thread	7	7	150	701846 01799**	5450248 712411
	1 1/4" UNC Female	9	7	250	701846 01788***	5450248 712305
162	M16 female thread	7	8	150	701846 01800**	5450248 712428
	1 1/4" UNC Female	9	8	250	701846 01789***	5450248 712312
202	M16 female thread	7	9	150	701846 01875**	5450248 714620
	1 1/4" UNC Female	9	9	250	701846 01790***	5450248 712329

* OD: Outer Diameter

Formerly ** DD5 Gold *** DD6 Gold





PRO CB UNIVERSAL



- **Useful length:** 150mm.
- **Connection:** 1/2" BSP Female.
- High performance dry core bit.

- Faster drilling speed than Classic CB Universal range (formerly Arid 5).

OD* (mm)	CORE LENGTH (mm)	No. SEGMENTS	ITEM No.	EAN 13 Code
38	150	3	701846 40160	5450248 454687
48	150	3	701846 94047	5450248 588696
52	150	3	701846 40161	5450248 454793
65	150	3	701846 40162	5450248 454809
78	150	4	701846 40163	5450248 454816
91	150	5	701846 94048	5450248 588702
107	150	5	701846 40164	5450248 454823
117	150	6	701846 40165	5450248 454847
127	150	7	701846 40166	5450248 454854
152	150	8	701846 40167	5450248 454861

* OD: Outer Diameter

Formerly Arid 7



CLASSIC CB UNIVERSAL



- **Useful length:** 150mm (300mm for diam 28mm).
- **Connection:** 1/2" BSP Female.
- Conical connection shape to improve the mounting of the corebit.

- Reduced vibration, increased safety and better comfort.
- Easier core extraction.
- Optimised for the best balance between drilling speed, product life and comfort.

DIA (mm)	No. SEGMENTS	SEG HEIGHT (mm)	ITEM No.	EAN 13 Code
28	2	7	701846 20351	5450248 230359
38	3	7	701846 20352	5450248 299592
52	3	7	701846 20353	5450248 299608
65	3	7	701846 40268	5450248 456193
78	4	7	701846 20354	5450248 299615
107	5	7	701846 20355	5450248 230366
117	6	7	701846 20356	5450248 230373
127	7	7	701846 20357	5450248 230380
128	7	7	701846 20358	5450248 299622

Formerly Arid 5



PRO DS



LASER



- **Length:** 60mm.
- **Connection:** M16 Female.
- **Applications:** medium-hard building materials.

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

OD* (mm)	ITEM No.	EAN 13 Code
68	701846 12873	5450248 017592
82	701846 12874	5450248 017608

*OD: Outer Diameter

Formerly Pro Arid DS



CLASSIC DS



LASER



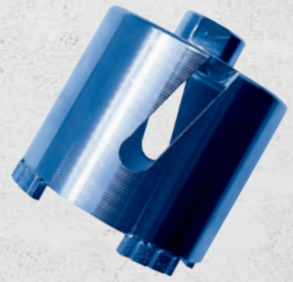
- **Length:** 60mm.
- **Connection:** M16 Female.
- **Application:** medium-hard building materials.

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

OD* (mm)	ITEM No.	EAN 13 Code
68	701846 20422	5450248 230311
82	701846 20423	5450248 230335

*OD: Outer Diameter

Formerly Classic Arid DS



DRILLING CORE BITS


DRY DIAMOND CORE DRILLS ARE USED TO CREATE HOLES QUICKLY AND NEATLY IN BRICK AND BLOCK, USUALLY TO ALLOW PIPEWORK THROUGH WALLS



CLASSIC CB UNIVERSAL PLUMBER KIT



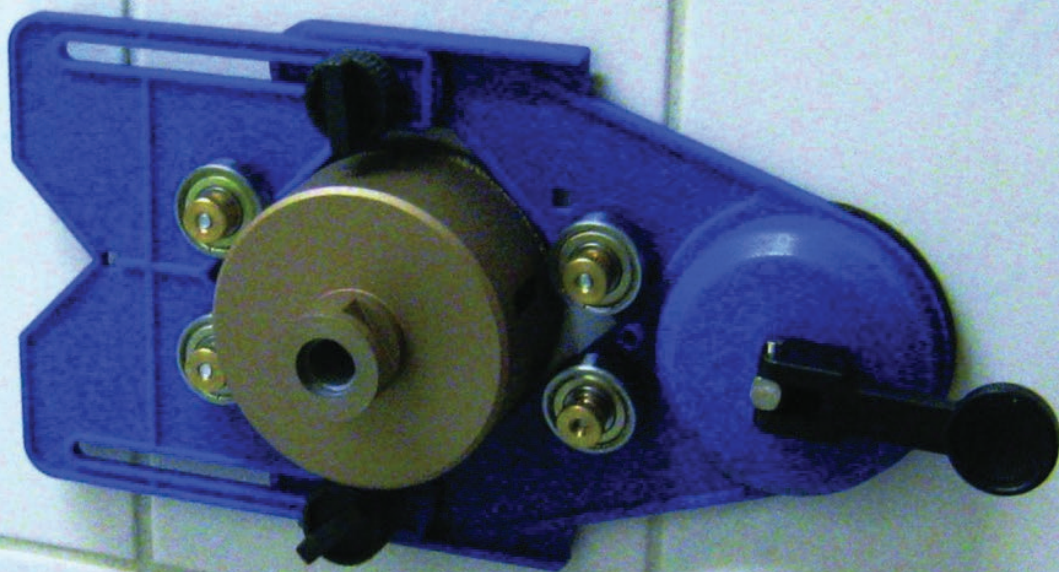
Dry drilling is a fairly simple process requiring a drill motor of min 800W equipped with a clutch. Power drills or drilling motors with three jaw chucks, SDS and 1/2" BSP fittings can all be used with Norton dry diamond cores once the correct adaptor has been chosen. Accessories like length extensions or dust-swivel can also be fitted (see page 147).

MACHINES	DESCRIPTION	ITEM No.	EAN 13 Code
	CLASSIC CB UNIVERSAL DRY DIAMOND CORE 5-SET Containing : 38mm, 52mm, 65mm, 117mm, 127mm Cores, 1 x Hex, 1 x SDS 1/2" Male Adaptor, 1 x Ejector Drift, 1 x A Taper Masonry Drill, 1 x 200mm Extension 1/2" Male-Female, 1/2"-1/2" Male-Male adaptor.	701846 40014	5450248 453178

All above Dry Core Bits have 1/2" BSP female back end fitting.

DRILLING CORE BITS FOR NATURAL STONE & TILES

For granite, marble, natural stone, ceramic tiles and porcelain.





CORE BITS FOR NATURAL STONE & CERAMIC TILES

PRO CB GRANITE



- **Useful length:** 450mm.
- **Connection:** 1" ¼ female.
- **Application:** granite and natural stones.
- Core-bit with brased segments, especially designed for wet-drilling of granite and natural stones.

OD / ID* (mm)	No. SEGMENTS	SEGMENT L / W / H (mm)	ITEM No.	EAN 13 Code
48/41	3	3,8x10x24	701846 93981**	5450248 586890
52/45	3	3,8x10x24	701846 93982**	5450248 586906
62/55	3	3,8x10x24	701846 30598**	5450248 443001
67/60	3	3,8x10x24	701846 93983**	5450248 586913
77/70	4	3,8x10x24	701846 93984**	5450248 586920
82/75	4	3,8x10x24	701846 26708**	5450248 439387
92/84	4	3,8x10x24	701846 30190**	5450248 412502
101/94	4	3,8x10x24	701846 24655**	5450248 340195
107/100	5	3,8x10x24	701846 93986**	5450248 586944
121/113	5	4,2x10x24	701846 28192**	5450248 391715
127/119	6	4,2x10x24	701846 93987**	5450248 586951
132/124	6	4,2x10x24	701846 93988**	5450248 586968
151/143	7	4,5x10x24	701846 26244**	5450248 439394
202/203	8	4,5x10x24	701846 93990**	5450248 586982
250/241	9	4,5x10x24	701846 93991**	5450248 586999

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



PRO CB GRANITE SEGMENTS



- **Application:** granite and natural stone.
- Retipping segments for Pro CB Granite corebits.

RANGE (mm)	SEGMENT L / W / H (mm)	ITEM No.	EAN 13 Code
42-57	3,8/2,8x10x24	3104 51214	5450248 719847
58-72	3,8/2,8x10x24	3104 51237	5450248 719854
73-87	3,8/2,8x10x24	3104 51239	5450248 719861
88-102	3,8/2,8x10x24	3104 51240	5450248 719878
103-117	3,8/2,8x10x24	3104 51241	5450248 719885
118-146	4,2/3,2x10x24	3104 51242	5450248 719892
147-190	4,2/3,2x10x24	3104 51243	5450248 719908
191-290	4,5/3,5x10x24	3104 51244	5450248 719915
291-490	5,0/4,0x10x24	3104 51245	5450248 719922
500-1000	5,0/4,0x10x24	3104 51246	5450248 719939





EXTREME VB



- **Connection:** M14 for fitting directly onto angle-grinders.

- Vacuum-brazed diamond drills designed for dry-drilling of hard ceramic tiles and natural stones.

OD* (mm)	ITEM No.	EAN 13 Code
6 x M14	701846 47338	5450248 558699
8 x M14	701846 47339	5450248 558705
10 x M14	701846 47340	5450248 558712
12 x M14	701846 47341	5450248 558729
20 x M14	701846 45760	5450248 534099
28 x M14	701846 45761	5450248 534105
35 x M14	701846 45762	5450248 534112
45 x M14	701846 45763	5450248 534129
50 x M14	701846 94357	5450248 685593
55 x M14	701846 46255	5450248 540472
68 x M14	701846 45764	5450248 534136
82 x M14	701846 45765	5450248 534143
102 x M14	701846 02119	5450248 721673
107 x M14	701846 02120	5450248 721680
132 x M14	701846 02121	5450248 721697
Suitcase pack containing dia. 20, 28, 35, 50, 68mm + mounting wrench	701846 94328	5450248 685029
Suitcase pack containing dia. 6/8/10/12/35/45/68 + centering device	701846 94419	5450248 687450
Suitcase pack containing dia. 20, 35, 40, 68mm + mounting wrench (only EN and DE languages)	701846 01112	5450248 699354

* OD: Outer Diameter



CLASSIC VB



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

- 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 and porcelain.

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

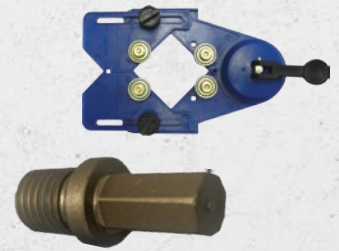
* OD: Outer Diameter





ACCESSORIES

DESCRIPTION	ITEM No.	EAN 13 Code
Centering device for small diameters up to 28mm	3104 91177	5450248 716297
Centering device for large diameters	701846 45766	5450248 534167
M14-Hex adaptor	3104 64939	5450248 685708

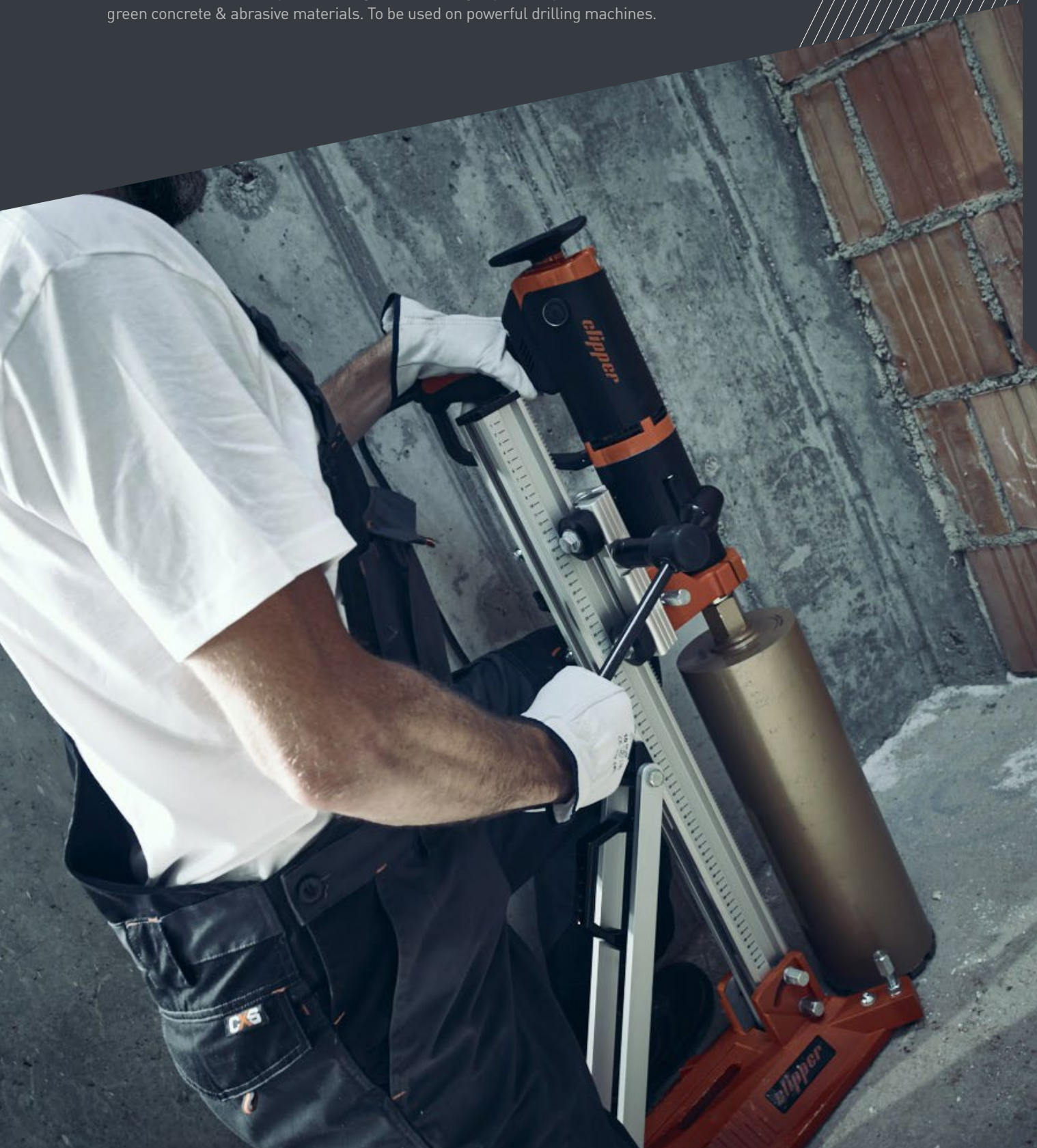


ACCESSORIES



DRILLING CORE BITS FOR ASPHALT & ABRASIVE MATERIALS

Discover our core bits especially designed for drilling asphalt, asphalt over concrete, green concrete & abrasive materials. To be used on powerful drilling machines.





CORE BITS FOR ASPHALT & ABRASIVE MATERIALS

EXTREME CB ASPHALT



- **Useful length:** 450mm.
- **Connection:** 1" ¼ female.
- **Applications:** For roads and pavements.
- Ideal for abrasive materials and powerful machines.
- Fluted segment for increased speed and life.
- Laser welded.

OD / ID* (mm)	No. SEGMENTS	SEGMENT L / W / H (mm)	ITEM No.	EAN 13 Code
45/37	4	3,8x12x24	701846 40578**	5450248 720218
48/41	4	3,8x12x24	701846 30755**	5450248 458234
57/49	5	3,8x12x24	701846 40579**	5450248 567271
67/59	5	3,8x12x24	701846 30759**	5450248 458272
77/69	6	3,8x12x24	701846 30762**	5450248 458302
92/84	7	3,8x12x24	701846 30768**	5450248 462163
102/94	8	3,8x12x24	701846 30769**	5450248 472667
107/99	9	3,8x12x24	701846 30771**	5450248 472674
112/104	9	3,8x12x24	701846 30772**	5450248 462071
117/109	9	3,8x12x24	701846 30773**	5450248 472681
127/119	10	4,2x12x24	701846 30774**	5450248 472698
132/124	10	4,2x12x24	701846 30775**	5450248 472704
152/144	11	4,2x12x24	701846 30776**	5450248 472711
162/154	12	4,2x12x24	701846 30777**	5450248 472728
178/170	13	4,2x12x24	701846 30778**	5450248 472735
187/179	14	4,2x12x24	701846 30779**	5450248 472742
202/193	14	4,5x12x24	701846 30780**	5450248 472759
212/203	15	4,5x12x24	701846 30781**	5450248 565864
225/216	15	4,5x12x24	701846 30782**	5450248 565871
250/241	16	4,5x12x24	701846 30783**	5450248 565888
275/266	17	4,5x12x24	701846 30822**	5450248 566786
300/290	18	5x12x24	701846 30808**	5450248 566717
325/315	18	5x12x24	701846 30810**	5450248 566724
350/340	19	5x12x24	701846 30811**	5450248 566731
400/390	20	5x12x24	701846 30833**	5450248 566816
450/440	22	5x12x24	701846 30812**	5450248 566748
500/490	24	5x12x24	701846 40073**	5450248 454113
550/540	26	5x12x24	701846 40581**	5450248 567288
600/590	28	5x12x24	701846 40582**	5450248 567295
700/690	30	5x12x24	701846 40583**	5450248 567301

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

Formerly X5



EXTREME ASPHALT SEGMENTS



- **Applications:** Abrasive materials and powerful machines.
- Retting segments for Extreme CB Asphalt.

RANGE (mm)	SEGMENT L / W / H (mm)	ITEM No.	EAN 13 Code
42-57	3,8x10x24	3103 90425	5450248 720690
58-72	3,8x10x24	3103 90456	5450248 720706
73-87	3,8x10x24	3103 90457	5450248 720713
88-102	3,8x10x24	3103 90458	5450248 720720
103-117	3,8x10x24	3103 90459	5450248 720737
118-146	4,2x10x24	3103 90460	5450248 720744
147-190	4,2x10x24	3103 90461	5450248 720751
191-290	4,5x10x24	3103 90463	5450248 720768
291-490	5,0x10x24	3103 90464	5450248 720775
500-1000	5,0x10x24	3103 90477	5450248 720782



NORTON

SAINT-GOBAIN

clipper[®]

TILE SAWS



NORTON

SAINT-GOBAIN

clipper[®]

TILE SAWS

Discover the Norton Clipper tile saw range. These machines are designed for all kinds and sizes of ceramic tiles and will offer you the best results when combined with a Norton Clipper diamond blade.



TILE TABLE SAW



TILE RAIL SAW



TT180 BM

FEATURES

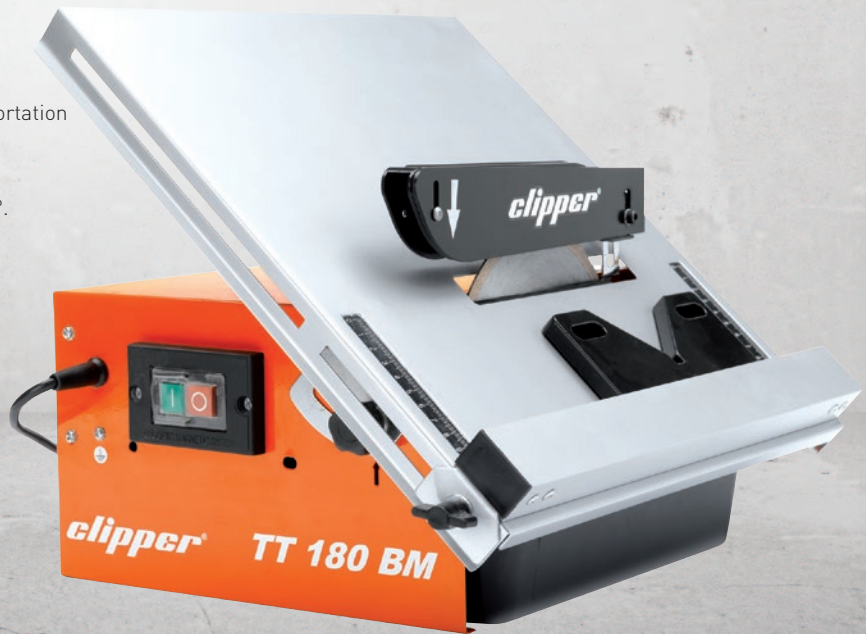
- Delivered in a strong plastic suitcase.
- Removable plastic water tray.
- Tilting table.
- Light weight.

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.

BLADE INCLUDED

- Ø 180mm Classic Ceramic.



PRODUCT DATA

Item No.	701846 25699	Supply Voltage	230V 1~	Tilting table	0 - 45°
EAN 13 Code	5450248 347354	Power	550W (0,75 Hp)	Max. cutting depth at 90° / at 45°	12mm / 8mm
Item No. (UK)	 701846 26958	Fuse/Generator	16A / 2 kVA	Max. cutting length	-
EAN 13 Code (UK)	5450248 371618	Blade x bore	Ø 180 x 25,4mm	Table size	395 x 385mm
		Dimensions (LxWxH)	440 x 390 x 230mm	Tool speed RPM	2950 min ⁻¹
		Packaging size	480 x 460 x 240mm	Hand Arm Vibrations	< 2,5 m/s ²
		Weight	11kg	Sound power / pressure level	80 dB (A) / 72 dB (A)



550W



230V

PRODUCT FEATURES



EASY TRANSPORTATION



REMOVABLE PLASTIC WATER TRAY



LIGHT & COMPACT



SUITCASE

DIAMOND BLADE WITH MACHINE FOR TT180 BM



Substrate / Material	CERAMIC
Recommended Product	CLASSIC CERAMIC
Blade x bore	180 x 25,4mm
Item No.	701846 26828
Page reference	47

TT200 EM

FEATURES

- 800W motor.
- Delivered in a strong plastic suitcase.
- Tilting table.
- Fast and precise locking cutting guide.

BENEFITS




- Powerful and professional machine.
- Machine protected for easy transportation and storage.
- Perfect for mitre cut from 0° to 45°.
- Quick set up and accurate cutting.

BLADE INCLUDED

- Ø 200mm Classic Ceramic.



PRODUCT DATA

Item No.	701846 25701	Supply Voltage	230V 1~	Tilting table	0 - 45°
EAN 13 Code	5450248 347361	Power	800W (1,1 Hp)	Max. cutting depth at 90° / at 45°	12mm / 8mm
Item No. (UK)	 701846 26963	Fuse/Generator	16A / 2 kVA	Max. cutting length	-
EAN 13 Code (UK)	5450248 371663	Blade x bore	Ø 200 x 25,4mm	Table size	460 x 360mm
	800w	Dimensions (LxWxH)	510 x 400 x 230mm	Tool speed RPM	2950 min ⁻¹
	230v	Packaging size	560 x 500 x 270mm	Hand Arm Vibrations	< 2,5 m/s ²
		Weight	16kg	Sound power / pressure level	80 dB (A) / 72 dB (A)

PRODUCT FEATURES



TRANSPORT HANDLE



TILTING TABLE (0° TO 45°)



LOCKING CUTTING GUIDE



SUITCASE

DIAMOND BLADE WITH MACHINE FOR TT200 EM



Substrate / Material	CERAMIC
Recommended Product	CLASSIC CERAMIC
Blade x bore	200 x 25,4mm
Item No.	701846 26829
Page reference	47

TT250 G

FEATURES

- 1000W 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.

BLADE INCLUDED

- Ø 250mm Classic Ceramic.



PRODUCT DATA

Item No.	701846 25705	Supply Voltage	230V 1~	Tilting table	0 - 45°
EAN 13 Code	5450248 347385	Power	1000W (1,4 Hp)	Max. cutting depth at 90° / at 45°	12mm / 8mm
		Fuse/Generator	16A / 3 kVA	Max. cutting length	-
		Blade x bore	Ø 250 x 25,4mm	Table size	560 x 500mm
		Dimensions (LxWxH)	620 x 600 x 355mm	Tool speed RPM	2950 min ⁻¹
		Packaging size	690 x 610 x 420mm	Hand Arm Vibrations	< 2,5 m/s ²
		Weight	26kg	Sound power / pressure level	79 dB (A) / 71 dB (A)



1000w



230v

PRODUCT FEATURES



TILTING TABLE (0° TO 45°)



REMOVABLE WATER TANK



UNIQUE DISK GUARD SUPPORT AVOIDING INTERFERENCE WITH MATERIALS



PACKAGING

DIAMOND BLADE WITH MACHINE FOR TT250 G



Substrate / Material	CERAMIC
Recommended Product	CLASSIC CERAMIC
Blade x bore	250 x 25,4mm
Item No.	701846 26831
Page reference	47

TR202

FEATURES

- Heavy duty rail and cutting head guide.
- 900W motor.
- 650mm cutting length.
- Tilting head.
- Folding legs & transport wheels.
- Removable plastic water tray with drain plug.
- Robust metal frame.
- Fast and precise locking cutting guide.

BENEFITS

- Smoother guiding, easier maintenance, precise cutting.
- Powerful and professional machine.
- Ideal for long tiles and diagonal cuts of 40x40cm tiles.
- Perfect for mitre cut from 0° to 45°.
- Easy storage and transportation.
- Easy cleaning and draining.
- Rigidity and protection of the removable plastic water tray.
- Quick set up and accurate cutting.

BLADE INCLUDED

- Ø 200mm Extreme Ceramic Turbo.



PRODUCT DATA

Item No.	701846 01106	Supply Voltage	230V 1~	Tilting head	0 - 45°
EAN 13 Code	5450248 699521	Power	900W (1,2 Hp)	Max. cutting depth at 90° / at 45°	15mm / 10mm
		Fuse/Generator	16A / 3 kVA	Max. cutting length	650mm
		Blade x bore	Ø 200 x 25,4mm	Table size	810 x 470mm
		Dimensions (LxWxH)	930 x 470 x 1200mm	Tool speed RPM	2950 min ⁻¹
		Packaging size	1020 x 490 x 465mm	Hand Arm Vibrations	< 2,5 m/s ²
		Weight	35kg	Sound power / pressure level	80 dB (A) / 72 dB (A)



900w



230v

650mm
MAX CUT LENGTH



PRODUCT FEATURES



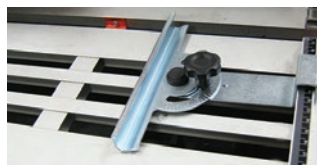
TILTING HEAD (0 TO 45°)



REMOVABLE WATER TRAY



TRANSPORT WHEELS



CUTTING GUIDE

DIAMOND BLADE RECOMMENDATIONS FOR TR202



Substrate / Material	CERAMIC
Recommended Product	EXTREME CERAMIC TURBO
Blade x bore	200 x 25,4mm
Item No.	701846 25427
Page reference	46

TR232 S

FEATURES

- Heavy duty guiding rail.
- Tilting head.
- Built-in side extension.
- Foldable handles, legs & transport wheels.
- Cutting guide with angular setting.
- Easy removal of the cutting table.

BENEFITS

- Smooth cutting head movements, easy maintenance.
- Perfect for mitre cut from 0° to 45°.
- Allows the cut of large/wide materials.
- Easy transportation and space saving.
- Precise angle cuts.
- Easy clean up of the water tray.

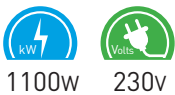
BLADE INCLUDED

- Ø 230mm Extreme Ceramic Turbo.



PRODUCT DATA

Item No.	701846 01110	Supply Voltage / Power	230V 1~ /1,1kW	Max. cutting depth at 90° / at 45°	15mm / 10mm
EAN 13 Code	5450248 699569	Fuse/Generator	16A / 3 kVA	Max. cutting length	860mm
		Blade x bore	Ø 230 x 25,4mm	Table size	860 x 565mm
		Dimensions (LxWxH)	1560 x 600 x 1175mm	Tool speed RPM	2950 min ⁻¹
		Tilting head	0 - 45°	Hand Arm Vibrations	< 2,5 m/s ²
		Weight	61kg	Sound power / pressure level	71 dB (A) / 79 dB (A)



860mm
MAX CUT LENGTH



PRODUCT FEATURES



CUTTING GUIDE WITH ANGULAR SETTING



TILTING HEAD (0 TO 45°)

DIAMOND BLADE RECOMMENDATIONS FOR TR232 S



Substrate / Material	CERAMIC
Recommended Product	EXTREME CERAMIC TURBO
Blade x bore	230 x 25,4mm
Item No.	701846 27653
Page reference	46

TR232 L

FEATURES

- Heavy duty guiding rail.
- Tilting head.
- Built-in side extension.
- Foldable handles, legs and transport wheels.
- Cutting guide with angular setting.
- Easy removal of the cutting table.
- Rubber coated table + clamps.

BENEFITS

- Smooth cutting head movements, easy maintenance.
- Perfect for mitre cut from 0° to 45°.
- Allows the cut of large/wide materials.
- Easy transportation and space saving.
- Precise angle cuts.
- Easy clean up of the water tray.
- Perfectly straight cut even on the longest tiles.

BLADE INCLUDED

- Ø 230mm Extreme Ceramic Turbo.



PRODUCT DATA

Item No.	701846 01103
EAN 13 Code	5450248 699491

Supply Voltage / Power	230V 1~ /1,1kW
Fuse/Generator	16A / 3 kVA
Blade x bore	Ø 230 x 25,4mm
Dimensions (LxWxH)	1860 x 600 x 1175mm
Tilting head	0 - 45°
Weight	72kg

Max. cutting depth at 90° / at 45°	15mm / 10mm
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)



1100w



230v

1200mm
MAX CUT LENGTH



PRODUCT FEATURES



ADJUSTABLE CLAMPS FOR FIXING THE TILES



ANGULAR CUTTING GUIDE / RUBBER-COVERED TABLE

DIAMOND BLADE WITH MACHINE FOR TR232 L



Substrate / Material	CERAMIC
Recommended Product	EXTREME CERAMIC TURBO
Blade x bore	230 x 25,4mm
Item No.	701846 27653
Page reference	46

TR252



FEATURES

- Powerful 1500W motor.
- Heavy duty guiding rail with tilting head.
- Plunging head.
- Built-in side extension.
- Foldable handles, legs and transport wheels.
- Cutting guide with angular setting.
- Easy removal of the cutting table.
- Rubber coated table + clamps.

BENEFITS

- More comfortable to use and better results on hard materials.
- Smooth cutting head movements, easy maintenance.
- Adaptation of cutting depth allows step cutting of thick tiles.
- Allows the cut of large/wide materials.
- Easy transportation and space saving.
- Precise angle cuts.
- Easy clean of the water tray.
- Perfectly straight cut even on the longest tiles.

BLADE INCLUDED

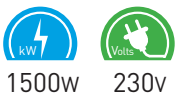
- Ø 250mm Extreme Ceramic Turbo.

PRODUCT DATA

Item No.	701846 94289
EAN 13 Code	5450248 596592

Supply Voltage / Power	230V 1~ / 1500W
Fuse/Generator	16A / 3 kVA
Blade x bore	Ø 250 x 25,4mm
Dimensions (LxWxH)	1860 x 600 x 1170mm
Tilting head	0 - 45°
Weight	75kg

Max. cutting depth at 90° / at 45°	15mm / 10mm
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	87 dB (A) / 73 dB (A)



1500w 230v

1200mm
MAX CUT LENGTH



PRODUCT FEATURES



PLUNGING CUTTING HEAD



CUTTING GUIDE INCLUDED

DIAMOND BLADE RECOMMENDATIONS FOR TR252



Substrate / Material	CERAMIC
Recommended Product	EXTREME CERAMIC TURBO
Blade x bore	250 x 25,4mm
Item No.	701846 25428
Page reference	46

TILE SAW SPARE PARTS & ACCESSORIES



TR202

DESCRIPTION	ITEM No.	EAN 13 Code
1 - Water pump 230V	3103 65204	5450248 411291
Switch 230V	3104 79885	5450248 705918
Flange Kit + nut	5101 00630	5450248 549758

TR232 S & TR232 L

DESCRIPTION	ITEM No.	EAN 13 Code
1 - Water pump 230V	3103 65204	5450248 411291
Switch 230V	3103 40138	5450248 511311
Flange kit + nut	5101 00973	5450248 550259



NORTON

SAINT-GOBAIN

clipper[®]

MASONRY SAWS

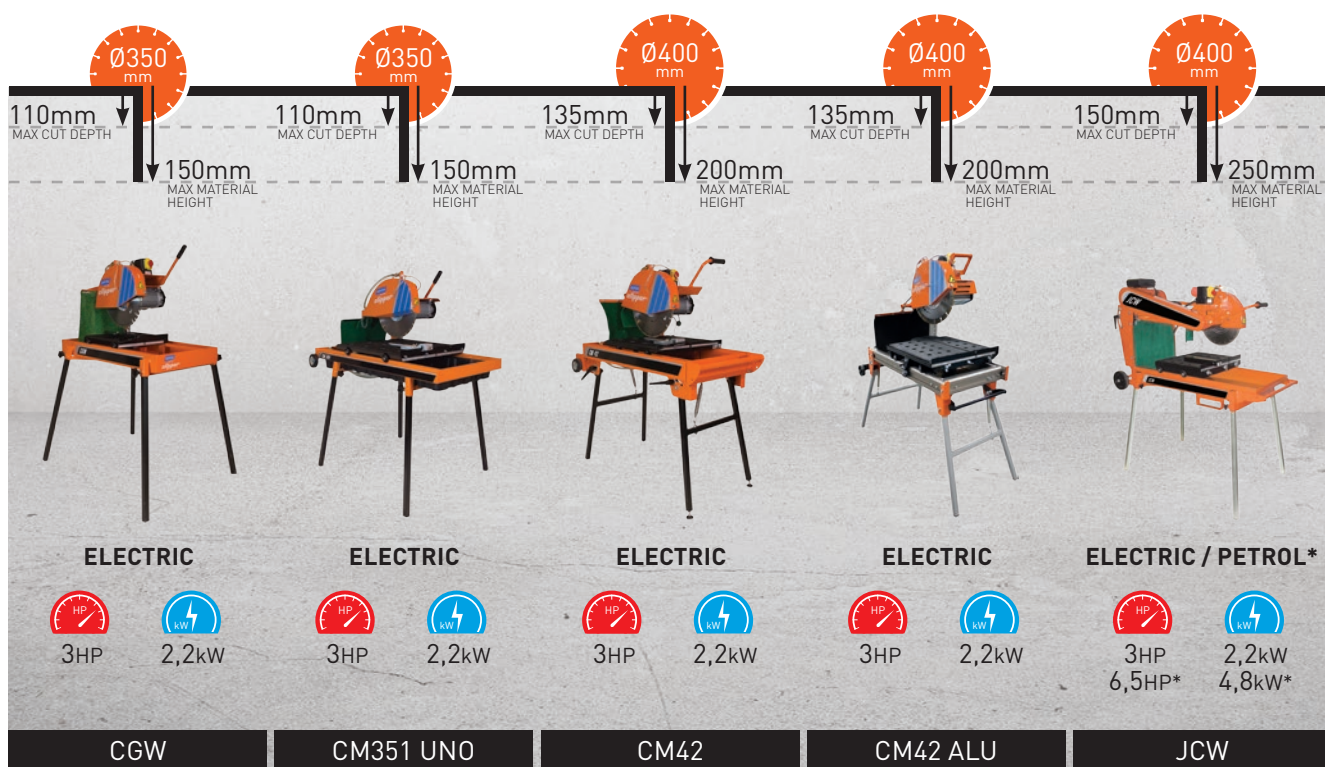


MASONRY SAWS






Inventors of the first masonry saw 80 years ago, Norton Clipper today offers a full range of machines with blade diameters of 350mm up to 1000mm, with electric motors or petrol engines for all construction and industrial work sites. Use with Norton Clipper diamond blades for optimum results.








MASONRY SAWS



MASONRY SAWS

 <p>Ø350 mm 110mm MAX CUT DEPTH 130mm MAX MATERIAL HEIGHT</p> <p>ELECTRIC 3HP 2kW</p> <p>CST120 UNO</p>	 <p>Ø350 mm 110mm MAX CUT DEPTH 130mm MAX MATERIAL HEIGHT</p> <p>ELECTRIC 3HP 4HP 2,2kW 3kW</p> <p>CST100/120</p>	 <p>Ø350 mm 110mm MAX CUT DEPTH 130mm MAX MATERIAL HEIGHT</p> <p>ELECTRIC 3HP 2,2kW</p> <p>CST100/120 ALU</p>	 <p>Ø350 mm 110mm MAX CUT DEPTH 195mm MAX MATERIAL HEIGHT</p> <p>ELECTRIC 3HP 4HP 2,2kW 3kW</p> <p>CST 150</p>	 <p>Ø400 mm 150mm MAX CUT DEPTH 280mm MAX MATERIAL HEIGHT</p> <p>ELECTRIC/PETROL* 3HP 4HP 6,5HP* 2,2kW 3kW 4,8kW*</p> <p>CM401</p>
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 <p>Ø500 mm 195mm MAX CUT DEPTH 355mm MAX MATERIAL HEIGHT</p> <p>ELECTRIC / PETROL* 5,5HP 6,5HP* 4,0kW 4,8kW*</p> <p>CM501</p>	 <p>Ø500 mm 190mm MAX CUT DEPTH 355mm MAX MATERIAL HEIGHT</p> <p>ELECTRIC 7,5HP 5,5kW</p> <p>ISM/ISC</p>	 <p>Ø650 mm 265mm MAX CUT DEPTH 280mm MAX MATERIAL HEIGHT</p> <p>ELECTRIC / PETROL* 3HP 7,5HP 6,5HP* 2,2kW 5,5kW 4,8kW*</p> <p>JUMBO 651</p>	 <p>Ø900/1000** mm 370/420**mm MAX CUT DEPTH 440mm MAX MATERIAL HEIGHT</p> <p>ELECTRIC / PETROL* 10HP 13HP* 7,5W 9,6kW*</p> <p>JUMBO 900/1000</p>	 <p>508mm MAX CUT DEPTH 508mm MAX MATERIAL HEIGHT</p> <p>ELECTRIC 2,5HP 1,85kW</p> <p>CB511</p>
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CGW

FEATURES

- Variable cutting guide.
- 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.



PRODUCT DATA

Item No.	701846 29851	Supply Voltage/ Power	230V 1~ / 2,2kW	Tilting head	No
EAN 13 Code	5450248 407393	Fuse/Generator	16A / 6 kVA	Max. cutting depth	110mm
		Blade x bore	Ø 350 x 25,4mm	Max. cutting length	500mm
		Tool speed RPM	2800 min ⁻¹	Max. material height	150mm
		Dimensions (LxWxH)	980 x 600 x 1250mm	Table size	440 x 340mm
		Dimensions (folded legs)	980 x 600 x 550mm	Hand Arm Vibrations	< 2,5 m/s ²
		Weight	66kg	Sound power / pressure level	92 dB (A) / 80 dB (A)



3HP



2,2kW



230V

PRODUCT FEATURES



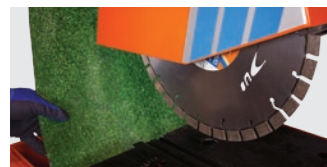
MAX CUT DEPTH



COMPENSATION SPRING



VARIABLE CUTTING GUIDE



SPLASH GUARD

DIAMOND BLADE RECOMMENDATIONS FOR CGW & CM351

Substrate / Material	BETON	SILENCIO	UNIVERSAL
Recommended Product	PRO BETON	EXTREME UNIVERSAL SILENCIO	EXTREME UNIVERSAL
Diameter x bore	350 x 25,4mm	350 x 25,4mm	350 x 25,4mm
Item No.	701846 27061	701846 28998	701846 12283
Page reference	26	33	32

CM351 UNO



FEATURES

- Adjustable depth stop on tilting head.
- Extra large 600x600mm conveyor cart with anti-slipping rubber surface and tilted wheels.
- Removable robust plastic water tray.

BENEFITS

- Allows 45° bevel cut, with embedded slot in the conveyor cart.
- Step cutting and full-depth cutting are possible in both 90° and 45° head position.
- Improved cart stability. Wide materials are more stable and are easier to cut.
- Easier cleaning and handling.

PRODUCT DATA

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



3HP



2,2kW



230v

PRODUCT FEATURES



MAX CUT DEPTH



TILTING HEAD & WIDE CONVEYOR



REMOVABLE WATER TRAY



EASY TRANSPORT



NATURAL STONE

EXTREME GRANITE

350 x 25,4mm

701846 01174

50

ALL MATERIALS

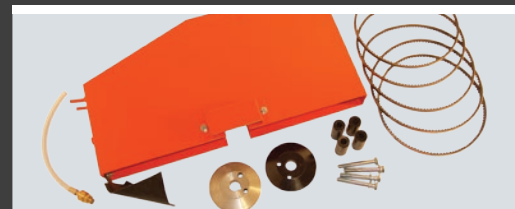
PRO 4X4 EXPLORER

350 x 25,4mm

701846 02093

44

SPARE PARTS FOR SOME MACHINES
AVAILABLE ON **PAGE 112** OR VIA
OUR WEBSITE www.nortonabrasives.com



CM42 COMPACT

FEATURES

- Wide conveyor cart, long reinforced frame.
- Ergonomic handle.
- Folding legs with repositionable tightening handle & transport wheels.
- Wide conveyor cart with tilted wheels, anti-pivoting and locking system.
- High accuracy cutting guide with per-degree angular setting.

BENEFITS

- Can cut a 60x60cm slab in two 30cm halves.
- Better comfort during use.
- Easy transportation and storage.
- Better stability and durability.
- Quick, precise and easy cut without additional accessory.



CM42



CM42 30-1-230V



CM42 30-1-110V

Item No.	701846 47620	701846 47989*	701846 47990
EAN 13 Code	5450248 563617	5450248 563617	5450248 572077
Supply Voltage/ Power	230V 1~ / 2,2kW (3 Hp)	230V 1~ / 2,2kW (3 Hp)	110V 1~ / 1,5kW (2 Hp)
Fuse Generator	16A / 6 kVA	16A / 6 kVA	16A / 6 kVA
Blade x bore	Ø 400 x 25,4mm	Ø 400 x 25,4mm	Ø 400 x 25,4mm
Tool speed RPM	2800 min ⁻¹	2800 min ⁻¹	2800 min ⁻¹
Tilting table	Optional	Optional	Optional
Max. cutting depth	135mm	135mm	135mm
Max. cutting length	780mm	780mm	780mm
Max. material height	200mm	200mm	200mm
Table size	500 x 540mm	500 x 540mm	500 x 540mm
Hand Arm Vibrations	< 2,5 m/s ²	< 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)	92 dB (A) / 80 dB (A)
Dimensions (LxWxH)	1187 x 620 x 1360mm	1187 x 620 x 1360mm	1187 x 620 x 1360mm
Dimensions (folded legs)	1187 x 620 x 740mm	1187 x 620 x 740mm	1187 x 620 x 740mm
Weight	90kg	90kg	90kg

* Available on request.

PRODUCT FEATURES



MAX CUT DEPTH



FOLDING FEET



ADJUSTABLE CUTTING-DEPTH HANDLE



ANTI PIVOTING SYSTEM

DIAMOND BLADE RECOMMENDATIONS FOR CM42



Substrate / Material	BETON	SILENCIO	UNIVERSAL	ALL MATERIALS
Recommended Product	PRO BETON	EXTREME UNI SILENCIO	EXTREME UNIVERSAL	PRO 4X4 EXPLORER
Diameter x bore	400 x 25,4mm	400 x 25,4mm	400 x 25,4mm	400 x 25,4mm
Item No.	701846 27062	701846 40270	701846 11438	701846 02095
Page reference	26	33	32	44

CM42 ALU



FEATURES

- Folding legs & transport wheels.
- Built with extruded aluminium profiles.
- Removable aluminium water tray.
- Electrical water pump protected from slurries.

BENEFITS

- Easy transportation and storage.
- Extreme rigidity and lifetime, easy maintenance.
- Easy cleaning.
- Long life and efficiency ; dust free working conditions.

PRODUCT DATA

Item No.	701846 02660	Supply Voltage/ Power	230V 1~ / 2,2kW (3 Hp)	Tilting head	-
EAN 13 Code	5450248 735793	Fuse/Generator	16A / 6 kVA	Max. cutting depth	135mm
		Blade x bore	Ø 400 x 25,4mm	Max. cutting length	600mm
		Tool speed RPM	2730 min ⁻¹	Max. material height	200mm
		Dimensions (LxWxH)	1260 x 660 x 1370mm	Table size	500 x 600mm
		Dimensions (folded legs)	1260 x 660 x 770mm	Hand Arm Vibrations	< 2,5 m/s ²
		Weight	88kg	Sound power / pressure level	92 dB (A) / 80 dB (A)



3HP



2,2kW



230V

PRODUCT FEATURES



MAX CUT DEPTH



EASY TRANSPORT



SIDE EXTENSION

DIAMOND BLADE RECOMMENDATIONS FOR CM42 ALU



Substrate / Material	BETON	SILENCIO	UNIVERSAL	ALL MATERIALS	GRANITE
Recommended Product	PRO BETON	EXTREME UNI SILENCIO	EXTREME UNIVERSAL	PRO 4X4 EXPLORER	PRO GRANITE
Diameter x bore	400 x 25,4mm	400 x 25,4mm	400 x 25,4mm	400 x 25,4mm	400 x 25,4mm
Item No.	701846 27062	701846 40270	701846 11438	701846 02095	701846 10386
Page reference	26	33	32	44	51

JCW JUNIOR

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.



JCW 600 1,30,1 Electric

Item No. 701846 30306
EAN 13 Code 5450248 414131



Supply Voltage/ Power	230V 1~ / 2,2kW (3 Hp)
Fuse/Generator	16A / 6 kVA
Blade x bore	Ø400 x 25,4mm
Tool speed RPM	2700 min ⁻¹
Max. cutting depth	150mm
Max. cutting length	600mm
Max. material height	250mm
Table size	400 x 490mm
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 (folded legs)	1280 x 590 x 880mm
Weight	104kg

JCW 600 1,65.P Petrol

Item No. 701846 93499*
EAN 13 Code 5450248 575498



Power	4,8kW (6,5Hp)
Engine Type	Petrol / Honda GX200
Blade x bore	Ø400 x 25,4mm
Tool speed RPM	2700 min ⁻¹
Max. cutting depth	150mm
Max. cutting length	600mm
Max. material height	250mm
Table size	400 x 490mm
Hand Arm Vibrations	< 2,5 m/s ²
Sound power / pressure level	105 dB (A) / 93 dB (A)
Dimensions (LxWxH)	1280 x 590 x 1460mm
Dimensions (folded legs)	1280 x 590 x 880mm
Weight	109kg

* Available on request.

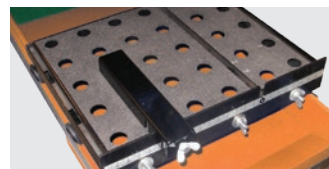
PRODUCT FEATURES



MAX CUT DEPTH



BLADE GUARD ALWAYS HORIZONTAL



CUTTING GUIDE



TRANSPORTATION WHEELS

DIAMOND BLADE RECOMMENDATIONS FOR JCW & CM401



Substrate / Material	BETON	SILENCIO	UNIVERSAL
Recommended Product	PRO BETON	EXTREME UNIVERSAL SILENCIO	EXTREME UNIVERSAL
Diameter x bore	400 x 25,4mm	400 x 25,4mm	400 x 25,4mm
Item No.	701846 27062	701846 40270	701846 11438
Page reference	26	33	32



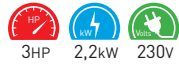
CM401

FEATURES

- 500mm or 600mm cutting length.
- Folding legs & transport wheels.
- Removable aluminium water tray.
- Built with extruded aluminium profiles.

BENEFITS

- Perfect for large materials.
- Easy transportation and storage.
- Easy cleaning.
- Extreme rigidity and lifetime.



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
Engine type	Electric	Electric	Petrol / HONDA GX200
Supply Voltage/ Power	230V 1~/ 2,2kW (3Hp)	400V 3~/ 3kW (4Hp)	4,8kW (6,5Hp)
Fuse Generator	16A / 6 kVA	16A / 8 kVA	-
Blade x bore	Ø400 x 25,4mm	Ø400 x 25,4mm	Ø400 x 25,4mm
Tool speed RPM	2 700 min ⁻¹	2 000 min ⁻¹	2 650 min ⁻¹
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
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)
Dimensions (LxWxH)	1380 x 660 x 1510mm	1380 x 660 x 1510mm	1380 x 660 x 1510mm
Dimensions (folded legs)	1380 x 660 x 920mm	1380 x 660 x 920mm	1380 x 660 x 920mm
Weight	113kg	115kg	118kg

* Available on request.

PRODUCT FEATURES



MAX CUT DEPTH



MECHANICAL WATER PUMP



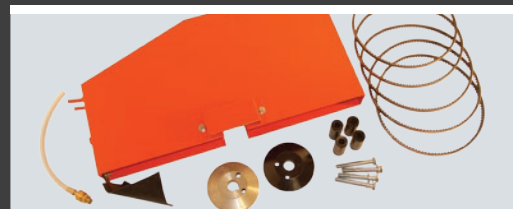
ALUMINIUM PROFILE



EASY TRANSPORT

NATURAL STONE	ALL MATERIALS
PRO GRANITE TURBO	PRO 4X4 EXPLORER
400 x 25,4mm	400 x 25,4mm
701846 26533	701846 02095
51	44

SPARE PARTS FOR SOME MACHINES
AVAILABLE ON **PAGE 112** OR VIA
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CST 120 UNO

FEATURES

- Robust conception.
- Strong chrome-plated guiding bars.
- Tilting and plunging head.
- Removable feet.

BENEFITS

- Reliable machine.
- High precision cutting.
- Adaptation of cutting depth and allows cuts up to 45°.
- Easy transportation and storage.



PRODUCT DATA

Item No.	701846 01846	Supply Voltage / Power	230V 1~/ 2,0kW (3Hp)	Max. cutting depth	110mm
EAN 13 Code	5450248 713999	Fuse/Generator	16A / 6kVA	Max. cutting length	1200mm
		Blade x bore	Ø 350 x 25,4mm	Max. material height	130mm
		Dimensions (LxWxH)	1650 x 580 x 1400mm	Table size	1200 x 560mm
		Dimensions (without legs)	1650 x 580 x 850mm	Tool speed RPM	2800 min ⁻¹
		Weight	105kg	Hand Arm Vibrations	< 2,5 m/s ²
				Sound power / pressure level	88,5dB (A) / 73,5db (A)



PRODUCT FEATURES



MAX CUT LENGTH & DEPTH



CUTTING GUIDE

DIAMOND BLADE RECOMMENDATIONS FOR CST RANGE

Substrate / Material	BETON	SILENCIO	UNIVERSAL	NATURAL STONE	CERAMIC
Recommended Product	PRO BETON	EXTREME UNI SILENCIO	EXTREME UNIVERSAL	EXTREME GRANITE	EXTREME CERAMIC
Diameter x bore	350 x 25,4mm	350 x 25,4mm	350 x 25,4mm	350 x 25,4mm	350 x 25,4mm
Item No.	701846 27061	701846 28998	701846 12283	701846 01174	701846 30335
Page reference	26	33	32	50	46

CST 100/120/150

FEATURES

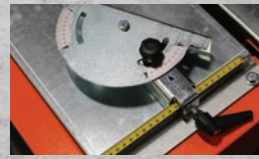
- Robust conception.
- Strong chrome-plated guiding bars.
- Tilting head.
- Delivered with a side extension table without legs (450x300mm).

BENEFITS

- Reliable machine.
- High precision cutting.
- Allows cuts up to 45°.
- Width of the table grows from 660 to 1110mm.
- Adaptation of cutting depth.

CST 100 & 120

Also available in aluminium



ADJUSTABLE GUIDE ANGLE



SIDE EXTENSION TABLE



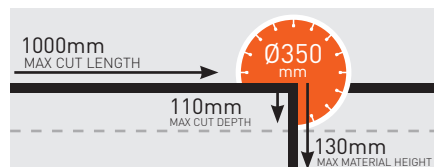
	CST100	CST120	CST150
Item No.	701846 13977	701846 14032	701846 14025
EAN 13 Code	5450248 144595	5450248 191179	5450248 189725
Supply Voltage/Power	230V 1~/ 2,2kW (3Hp)	230V 1~/ 2,2kW (3Hp)	230V 1~/ 2,2kW (3Hp)
Fuse (Generator)	16A / 6kVA	16A / 6kVA	16A / 6kVA
Blade x bore	Ø 350 x 25,4mm	Ø 350 x 25,4mm	Ø 350 x 25,4mm



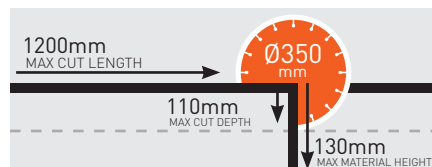
	CST100	CST120	CST150
Item No.	701846 13982	701846 13892	701846 14026
EAN 13 Code	5450248 144724	5450248 141235	5450248 189732
Supply Voltage/Power	400V 3~/ 3kW (4Hp)	400V 3~/ 3kW (4Hp)	400V 3~/ 3kW (4Hp)
Fuse (Generator)	16A / 8kVA	16A / 8kVA	16A / 8kVA
Max. blade x bore	Ø 350 x 25,4mm	Ø 350 x 25,4mm	Ø 350 x 25,4mm

PRODUCT DATA (ALL MACHINES)	CST100	CST120	CST150
Max. cutting depth	110mm	110mm	110mm
Max. cutting length	1000mm	1200mm	1500mm
Max. material height	130mm	130mm	195mm
Table size	1000mm	1200mm	1500mm
Tool speed RPM	2800 min ⁻¹	2800 min ⁻¹	2800 min ⁻¹
Hand arm vibrations	<2,5m/s ²	<2,5m/s ²	<2,5m/s ²
Sound power / pressure level	88,5dB (A) / 73,5db (A)	88,5dB (A) / 73,5db (A)	88,5dB (A) / 73,5db (A)
Dimensions (LxWxH)	1270 x 660 x 1350mm	1600 x 660 x 1350mm	1970 x 660 x 1350mm
Dimensions (without legs)	1270 x 660 x 780mm	1600 x 660 x 780mm	1970 x 660 x 780mm
Weight	105kg	160kg	180kg

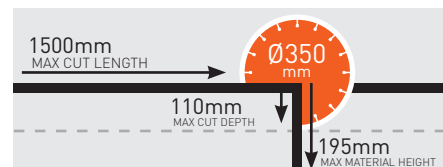
MAX CUT DEPTH



CST 100



CST 120



CST 150

CST 100/120 ALUMINUM

FEATURES

- Robust conception with strong chrome-plated guiding bars
- Tilting rail
- Aluminium parts
- Folding legs and transport wheels
- Rubber layered table
- Delivered with a side extension without leg (450 x 300mm)

BENEFITS

- Reliable machine with high precision cutting
- Allows cuts up to 45°
- Light weight machine
- Easy to move and transport
- Anti-slip table for a well maintained material
- Width of the table grows from 660 to 960mm



CST100 ALU



CST120 ALU



CST100 ALU



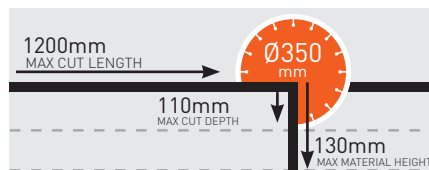
CST120 ALU

Item No.	701846 01937	701846 02016	701846 02124	701846 02125
EAN 13 Code	5450248 715689	5450248 718420	5450248 721703	5450248 721710
Supply Voltage/ Power	230V 1~/ 2,2kW (3 Hp)	230V 1~/ 2,2kW (3 Hp)	115V 1~/ 1,8kW (2,4 Hp)	115V 1~/ 1,8kW (2,4 Hp)
Fuse (Generator)	16A / 6kVA	16A / 6kVA	16A / 6kVA	16A / 6kVA
Blade x bore	Ø 350x25,4mm	Ø 350x25,4mm	Ø 350x25,4mm	Ø 350x25,4mm
Tool speed RPM	2800 min ⁻¹	2800 min ⁻¹	2800 min ⁻¹	2800 min ⁻¹
Max. cutting depth	110mm	110mm	110mm	110mm
Max. cutting length	1000mm	1200mm	1000mm	1200mm
Max. material height	130mm	130mm	130mm	130mm
Table size	1120mm	1310mm	1120mm	1310mm
Hand Arm Vibrations	< 2,5 m/s ²	< 2,5 m/s ²	< 2,5 m/s ²	< 2,5 m/s ²
Sound power / pressure level	88,5dB (A) / 73,5dB (A)	88,5dB (A) / 73,5dB (A)	88,5dB (A) / 73,5dB (A)	88,5dB (A) / 73,5dB (A)
Dimensions (LxWxH)	1530 x 660 x 1350mm	1630 x 660 x 1350mm	1530 x 660 x 1350mm	1630 x 660 x 1350mm
Dimensions (without legs)	1530 x 660 x 880mm	1630 x 660 x 880mm	1530 x 660 x 880mm	1630 x 660 x 880mm
Weight	85kg	90kg	85kg	90kg

PRODUCT FEATURES



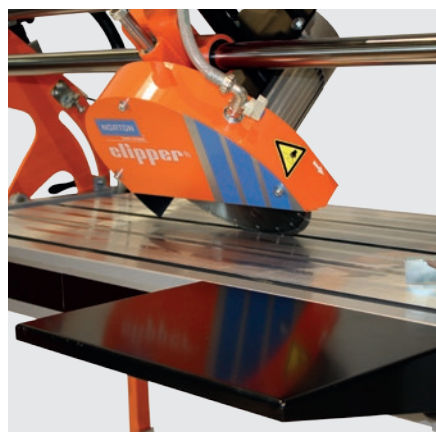
MAX CUT DEPTH - CST 100



MAX CUT DEPTH - CST 120



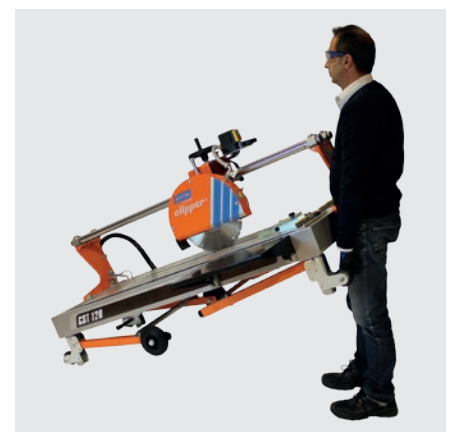
TILTING HEAD



SIDE EXTENSION AND CUTTING GUIDE INCLUDED (450x300mm)



EASY TRANSPORT THANKS TO FOLDING LEGS AND WHEELS



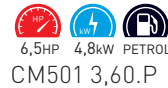
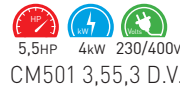
CM501 MAJOR

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.



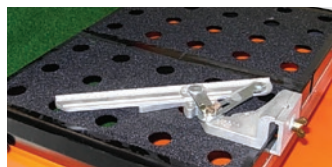
Item No.	701846 27018	701846 28233	701846 27020	701846 28232*	701846 28235
EAN 13 Code	5450248 371762	5450248 392101	5450248 371779	5450248 392095	5450248 392125
Engine type	Electric	Electric	Petrol - Honda GX200	Electric	Electric
Supply Voltage/ Power	400V / 4kW [5,5 HP]	230-400V-3 / 4kW [5,5 HP]	4,8kW [6,5 HP]	400V / 4kW / [5,5 HP]	115V / 2,2kW [3 HP]
Blade x bore	Ø 500x25,4mm	Ø 500x25,4mm	Ø 500x25,4mm	Ø 600x25,4mm	Ø 500x25,4mm
Tool speed RPM	1900 min ⁻¹	1900 min ⁻¹	2200 min ⁻¹	1900 min ⁻¹	1900 min ⁻¹
Max. cutting depth at 90° / 45°	195mm	195mm	195mm	245mm	195mm
Max. cutting length	500mm	500mm	500mm	500mm	500mm
Max. material height	355mm	355mm	355mm	355mm	355mm
Table size	580 x 420mm	580 x 420mm	580 x 420mm	580 x 420mm	580 x 420mm
Hand Arm Vibrations	< 2,5 m/s ²	< 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)	97dB(A) / 81dB(A)
Dimensions (LxWxH)	1480 x 610 x 1550mm	1480 x 610 x 1550mm	1480 x 610 x 1700mm	1480 x 610 x 1550mm	1480 x 610 x 1550mm
Weight	165kg	163kg	165kg	168kg	165kg

* Available on request.

PRODUCT FEATURES



MAX CUT DEPTH - Ø500



CUTTING GUIDE



FRICION RESISTANT TILTED ROLLERS



MAX CUT DEPTH - Ø600

DIAMOND BLADE RECOMMENDATIONS FOR CM501



Substrate / Material	BETON	SILENCIO	UNIVERSAL	REFRACTORY	ALL MATERIALS
Recommended Product	PRO BETON	EXTREME UNI SILENCIO	EXTREME UNIVERSAL		PRO 4X4 EXPLORER
Bore	25,4mm	25,4mm	25,4mm		25,4mm
Ø500mm Item No.	701846 27064	701846 30309	701846 11440	SEE RECOMMENDATION TABLE PAGE 60	701846 02097
Ø600mm Item No.	701846 27065	-	-		-
Page reference	26	33	32		44

ISM/ISC SUPER

FEATURES

- Water distributors connectable to optional water supply system.
- Extended operating handle.
- Crank controlled cutting depth adjustment.
- Cutting head height setting by foot pedal and handle (ISM).

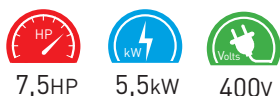
BENEFITS

- Wet cutting and dust free working conditions.
- Optimum cutting pressure application.
- Easy and accurate setting.
- Maximum user comfort.



ISM 3,75,3

Item No. 701846 13985
EAN 13 Code 5450248 231239



Supply Voltage/ Power	400V 3~ / 5,5kW (7,5Hp)
Fuse/Generator	32 A / 14 kVA
Blade x bore	Ø 500 x 25,4mm
Tool speed RPM	2062 min ⁻¹
Max. cutting depth	190mm
Max. cutting length	500mm
Flat table size (optional)	465 x 615mm
Tilting table (optional)	455 x 580mm
Hand Arm Vibrations	< 2,5 m/s ²
Sound power / pressure level	99 dB (A) / 85 dB (A)
Dimensions (LxWxH)	1400 x 760 x 1750mm
Weight	248kg

ISC 3,75,3

Item No. 701846 13986
EAN 13 Code 5450248 144861



Supply Voltage/ Power	400V 3~ / 5,5kW (7,5Hp)
Fuse/Generator	32 A / 14 kVA
Blade x bore	Ø 500 x 25,4mm
Tool speed RPM	2062 min ⁻¹
Max. cutting depth	190mm
Max. cutting length	750mm
Flat table size (optional)	710 x 615mm
Tilting table (optional)	710 x 610mm
Hand Arm Vibrations	< 2,5 m/s ²
Sound power / pressure level	99 dB (A) / 85 dB (A)
Dimensions (LxWxH)	1650 x 760 x 1750mm
Weight	280kg

PRODUCT FEATURES



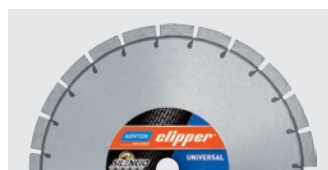
MAX CUT DEPTH



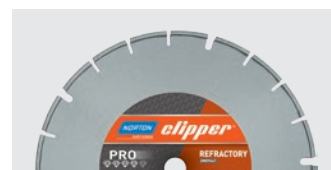
Clipper's Tip

IMPORTANT

Conveyor carts, dust collectors and water supply systems are available as accessories. See selection chart below.



EXTREME UNI SILENCIO - 710846 30309



REFRACTORY - SEE RECOMMENDATION TABLE

HOW TO SELECT ISC AND ISM MASONRY SAWS AND ACCESSORIES

MAX. CUTTING LENGTH	FLAT OR MITRE CUT?	DRY OR WET CUTTING?	
		WET	DRY
<p>ISM UP TO 500mm</p>	<p>Tilting table 0 to 45° ISM: 3100 04702 ISC: 3100 04539</p> <p>Flat conveyor cart ISM: 3100 04704 ISC: 3100 04703</p>	<p>Water distribution kit 3100 04732</p>	<p>Hood 3100 04552</p> <p>Dust extractor bag type 3100 04544</p> <p>OR</p> <p>Dust extractor cabinet type 3100 04536</p>

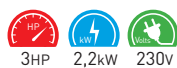
JUMBO 651

FEATURES

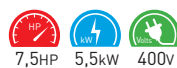
- Heavy duty frame with 4 wheels.
- 2 wheels with locking device.
- Conveyor cart with 4 location rollers.
- Easy access to blade.

BENEFITS

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



JUMBO 651 1,30,3



JUMBO 651 6,75,3



JUMBO 651 6-55 P

Item No.	701846 94005	701846 14005	701846 10073
EAN 13 Code	5450248 596714	5450248 186625	5450248 143680
Engine type	Electric	Electric	Petrol / HONDA GX200
Supply Voltage/ Power	230V 1~/2,2kW (3HP)	400V 3~/5,5kW (7,5HP)	4,8kW (6,5Hp)
Fuse/ Generator	16 A / 6kVA	32 A / 14kVA	-
Blade x bore	Ø 650 x 25,4mm	Ø 650 x 25,4mm	Ø 650 x 25,4mm
Tool speed RPM	1350 min ⁻¹	1350 min ⁻¹	1350 min ⁻¹
Max. cutting depth	265mm	265mm	265mm
Max. cutting length	500mm	500mm	500mm
Max. material height	280mm	280mm	280mm
Table size	600 x 500mm	600 x 500mm	600 x 500mm
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) / 93 dB (A)
Dimensions (LxWxH)	1700 x 800 x 1480mm	1700 x 800 x 1480mm	1700 x 800 x 1480mm
Weight	208kg	212kg	212kg

PRODUCT FEATURES



MAX CUT DEPTH



HEAVY DUTY FRAME



2 WHEELS WITH LOCKING DEVICE

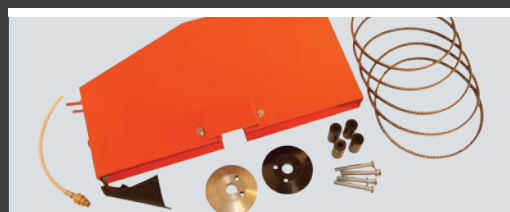


TILTING TABLE - 3100 05275
(AVAILABLE ON REQUEST)

DIAMOND BLADE RECOMMENDATIONS

Machine	JUMBO 651	
Substrate / Material	SILENCIO	UNIVERSAL
Recommended Product	EXTREME UNI SILENCIO	PRO UNIVERSAL LASER
Diameter x bore	650 x 25,4mm	650 x 25,4mm
Item No.	701846 94227	701846 47265
Page reference	33	36

SPARE PARTS FOR SOME MACHINES
AVAILABLE ON **PAGE 112** OR VISIT
OUR WEBSITE www.nortonabrasives.com



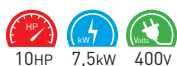
JUMBO 900/1000

FEATURES

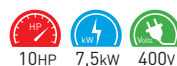
- Heavy duty frame with 4 wheels.
- New graduated scale installed on an angle.
- New curtain in front of the blade.
- New blade guard.

BENEFITS

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



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
Engine type	Electric	Electric	Petrol / HONDA
Supply Voltage/ Power	400V-3 / 7,5kW (10Hp)	400V-3 / 7,5kW (10Hp)	GX390, 9,6kW (13Hp)
Fuse/ Generator	32 A / 19 kVA	32 A / 19 kVA	-
Blade x bore	Ø 900 x 60mm	Ø 1000 x 60mm	Ø 1000 x 60mm
Tool speed RPM	928 min ⁻¹	928 min ⁻¹	928 min ⁻¹
Max. cutting depth	370mm	420mm	420mm
Max. cutting length	720mm	720mm	720mm
Max. material height	440mm	440mm	440mm
Table size	720 x 800mm	720 x 800mm	720 x 800mm
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

PRODUCT FEATURES



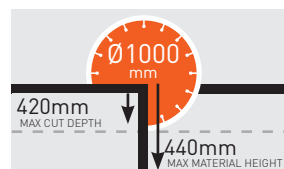
MAX CUT DEPTH - JUMBO 900



FRONT SPLASH GUARD



CENTRIFUGAL CLUTCH DEVICE
(JUMBO P13 ONLY)



MAX CUT DEPTH - JUMBO 1000

DIAMOND BLADE RECOMMENDATIONS

Machine	JUMBO 900		JUMBO 1000	
	SILENCIO	UNIVERSAL	SILENCIO	UNIVERSAL
Substrate / Material	SILENCIO	UNIVERSAL	SILENCIO	UNIVERSAL
Recommended Product	EXTREME UNI SILENCIO	EXTREME UNIVERSAL	EXTREME UNI SILENCIO	PRO UNIVERSAL LASER
Diameter x bore	900 x 60mm	900 x 60mm	1000 x 60mm	1000 x 60mm
Item No.	701846 94030	701846 47651	701846 94595	701846 47263
Page reference	33	36	33	36

CB511

FEATURES

- Safety switch at end of cut.
- Dry cut with minimal dust.
- Easy to use.
- Galvanised and folding table.
- Lift ring, double lifting rail and wheels.

BENEFITS

- Safety of use and time saving.
- No water supply and water pump maintenance.
- Low maintenance.
- Space saving during transportation and storage.
- Easy to move by crane, forklift or by hand.
- More power, less dust, longer life.



PRODUCT DATA

Item No.	701846 94702	Supply Voltage/ Power	230V 1~ / 1,85kW (2,5Hp)	Max. cutting length	660mm
EAN 13 Code	5450248 692393	Fuse/Generator	16A / 3 kVA	Max. material height	508mm
		Band size	3850 x 27mm	Table size	710 x 1060mm
		Dimensions (LxWxH)	1050 x 900 x 1840mm	Hand Arm Vibrations	<2,5m/s ²
		Weight	203kg	Sound power / pressure level	93,3 dB (A) / 80 dB (A)



2,5HP

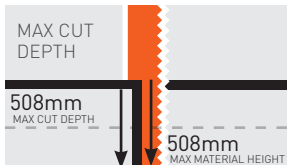


1,85kW



230V

PRODUCT FEATURES



MAX CUT DEPTH



FOLDING TABLE



SAFETY OF USE



PRECISION CUT

BAND RECOMMENDATIONS FOR CB511

Substrate / Material	UNIVERSAL	UNIVERSAL
Recommended Product	EXTREME BAND CB511	PRO BAND CB511
Length	3850mm	3850mm
Item No.	701846 95024	701846 01811



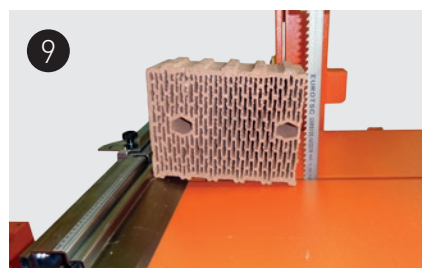
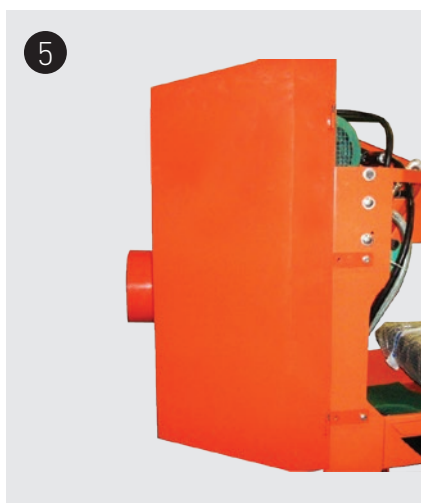
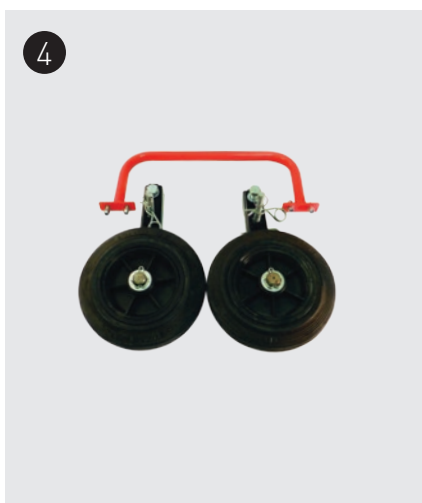
Clipper's Tip

IDEAL FOR...

Aerated fired clay blocks and autoclaved aerated concrete blocks



MASONRY SAW SPARE PARTS & ACCESSORIES



CM501

DESCRIPTION	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
Blade guard (blade shield compatible)	3100 05679	5450248 170143
Blade shield	3100 04582**	5450248 093480

* Available on request. ** For use with blade guard 3100 05679

JUMBO 900 & 1000

DESCRIPTION	ITEM No.	EAN 13 Code
8 - Cutting guide 0 to 45°	3100 04590	5450248 093961

CB511

DESCRIPTION	ITEM No.	EAN 13 Code
9 - Slanted cutting device	31049 1491	5450248 716693

CM351

DESCRIPTION	ITEM No.	EAN 13 Code
Water tray cap	3100 05257	5450248 118060
Water pump 230V	3100 04389	5450248 078784
Switch 230V	5101 03106	5450248 553939
Table wheel (4x)	3100 04676	5450248 098393

CM42

DESCRIPTION	ITEM No.	EAN 13 Code
Switch 230V	5101 03106	5450248 553939
Water pump 230V	3104 46803	5450248 573609
Table wheel (4x)	3100 04676	5450248 098393

CST

DESCRIPTION	ITEM No.	EAN 13 Code
6 - Lateral guide a cut (CST100)	3100 06280	5450248 156659
6 - Lateral guide a cut (CST120-150)	3104 78996	5450248 705024
5 - Side extension flat with leg 550x450mm	3104 79000	5450248 705055
4 - Side extension roller 1000x500mm	3104 78999	5450248 705048
Guide a cut	3104 79001	5450248 705062
7 - Cutting guide 0° to 45°	3104 79002	5450248 705079

ISC

DESCRIPTION	ITEM No.	EAN 13 Code
8 - Tilting table 0 to 45° for ISC	3100 04539	5450248 088707
9 - Flat conveyor cart for ISC	3100 04703	5450248 099383
10 - Water distribution kit	3100 04732	5450248 100829
11 - Hood	3100 04552	5450248 089070
12 - Dust extraction bag type	3100 04544*	5450248 088844
Dust extraction cabinet type	3100 04536	5450248 088240
Protection blade guard	5101 08157	5450248 571797
Conveyor cart wheel (1x)	003100 04284	5450248 072867
Water pump	003100 04300	5450248 073598

* Available on request.

CM42 ALU & CM401

DESCRIPTION	ITEM No.	EAN 13 Code
1 - Side extension	3100 07579	5450248 226925
2 - Cutting guide 45°	3100 07657	5450248 221241
3 - Tilting cart 0 to 45°	3100 12201	5450248 238973

CGW

DESCRIPTION	ITEM No.	EAN 13 Code
Water tray cap	3100 05257	5450248 118060
Water pump 230V	3100 04389	5450248 078784
Switch 230V	5101 03106	5450248 553939
Table wheel (4x)	3100 04676	5450248 098393

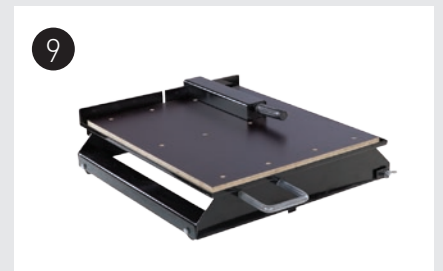
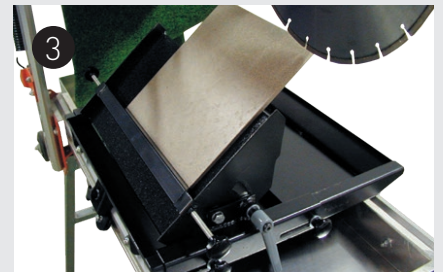
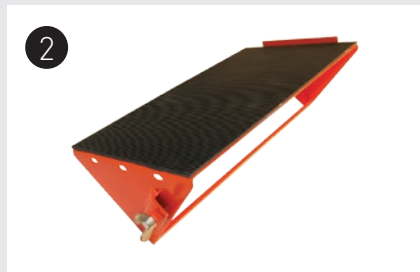
JCW

DESCRIPTION	ITEM No.	EAN 13 Code
Switch 230V	3103 69467	5450248 440116
Belt (230V machine)	3103 69466	5450248 440109
Table wheel (4x)	3100 04676	5450248 098393





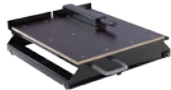
ISM

DESCRIPTION	ITEM No.	EAN 13 Code
8 - Tilting table 0 to 45° for ISM	3100 04702	5450248 099376
9 - Flat conveyor cart for ISM	3100 04704	5450248 099390
10 - Water distribution kit	3100 04732	5450248 100829
11 - Hood	3100 04552	5450248 089070
12 - Dust extraction bag type	3100 04544*	5450248 088844
Dust extraction cabinet type	3100 04536	5450248 088240
Protection blade guard	5101 08157	5450248 571797
Conveyor cart wheel (1x)	003100 04284	5450248 072867
Water pump	003100 04300	5450248 073598

* Available on request.



HOW TO SELECT ISC AND ISM MASONRY SAWS AND ACCESSORIES

MAX. CUTTING LENGTH	FLAT OR MITRE CUT?	DRY OR WET CUTTING?	
		WET	DRY
<p>ISM UP TO 500mm</p> 	 <p>Tilting table 0 to 45° ISM: 3100 04702 ISC: 3100 04539</p>	 <p>Water distribution kit 3100 04732</p>	 <p>Hood 3100 04552</p>
<p>ISC UP TO 750mm</p> 	 <p>Flat conveyor cart ISM: 3100 04704 ISC: 3100 04703</p>		 <p>Dust extractor bag type 3100 04544</p> <p>OR</p> <p>Dust extractor cabinet type 3100 04536</p>

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FLOOR SAWS



NORTON

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FLOOR SAWS










The Norton Clipper floor saw range exists in a wide range of blade diameters, motorizations and powers to suit all applications from small road repairs to airfield work sites. Use with Norton Clipper diamond blades for optimal results














PETROL / DIESEL

Model	Blade Diameter	Max Cut Depth	Power (HP/kW)	Vibration
C51	Ø350 mm	125mm	6,5HP / 4,8kW	
CS401	Ø400 mm	145mm	9HP / 6,6kW	
CS401	Ø450 mm	170mm	13HP / 9,6kW	
CS451	Ø450 mm	170mm	13HP / 9,6kW* 7HP* / 5kW*	NO VIBRATION

PETROL / DIESEL

Ø500 mm	Ø500 mm	Ø600 mm
190mm MAX CUT DEPTH	190mm MAX CUT DEPTH	225mm MAX CUT DEPTH
		
PETROL	DIESEL	PETROL
 13HP  9,6kW	 13HP  9,6kW	 20HP  15kW
CS1		CSB1

ELECTRIC

Ø350 mm	Ø450 mm	Ø800 mm
125mm MAX CUT DEPTH	170mm MAX CUT DEPTH	320mm MAX CUT DEPTH
		
		
400V 3~	400V 3~	400V 3~
 7,5HP  5,5kW	 7,5HP  5,5kW	 10HP  7,5kW
CS451ET	CS451E	CS7,5

C51



FEATURES

- Cutting depth adjustment with crank.
- Adjustable handle height, for all cut depths.
- Compact design.
- Large diameter rear wheels coated with hard rubber.

BENEFITS

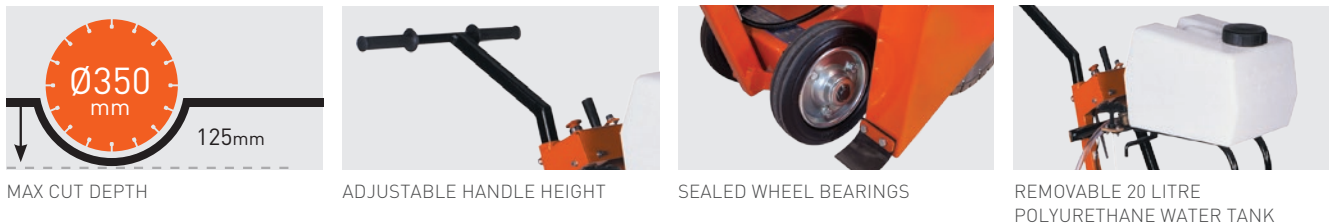
- Quick and easy setting, improved user comfort.
- Ergonomic working position.
- Easy storage and transportation.
- Robust & stable when in use.

PRODUCT DATA

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



PRODUCT FEATURES



DIAMOND BLADE RECOMMENDATIONS FOR C51

Substrate / Material	BETON	SILENCIO	ASPHALT	ALL MATERIALS
Recommended Product	EXTREME BETON	EXTREME BETON SILENCIO	EXTREME ASPHALT	PRO 4X4 EXPLORER
Diameter	350mm	350mm	350mm	350mm
Bore	25,4mm	25,4mm	25,4mm	25,4mm
Item No.	701846 47790	701846 28997	701846 94537	701846 02093
Page reference	24	25	54	44



CS401

FEATURES

- Heavy-duty wide frame.
- 2 versions : 400mm blade guard/9HP and 450mm blade guard/13HP.
- Continuous depth control with crank handle and gauge.
- Removable 20L polyurethane water tank.
- Adjustable handle.

BENEFITS

- Low centre of gravity for better direction control.
- Two alternatives to fit best user requirements.
- Quick, easy and accurate setting of cutting depth.
- Easy wet-cutting in isolated locations.
- Ergonomic working position.

CS401 P9

Item No.	701846 47624
EAN 13 Code	5450248 563631

9HP 6,6kW PETROL

Power source	Petrol
Motor type	Honda GX270
Power	6,6kW (9 HP)
Blade x bore	Ø 400 x 25,4mm
Max. cutting depth	145mm
Dimensions (LxWxH)	1180 x 650 x 1000mm
Water tank capacity (removable)	20 L
Tool speed RPM	2600 min ⁻¹
Starter	Recoil
Raise and lower	Manual
Propelling	Push
Hand Arm Vibrations	3,75 m/s ²
Sound power / pressure level	100 dB(A)/84 dB(A)
Weight	93kg

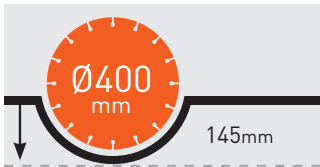
CS401 P13

Item No.	701846 47623
EAN 13 Code	5450248 563624

13HP 9,6kW PETROL

Power source	Petrol
Motor type	Honda GX390 Cycl.
Power	9,6kW (13 HP)
Blade x bore	Ø 450 x 25,4mm
Max. cutting depth	170mm
Dimensions (LxWxH)	1180 x 650 x 1000mm
Water tank capacity (removable)	20 L
Tool speed RPM	2600 min ⁻¹
Starter	Recoil
Raise and lower	Manual
Propelling	Push
Hand Arm Vibrations	4,13 m/s ²
Sound power / pressure level	100 dB(A)/86 dB(A)
Weight	99kg

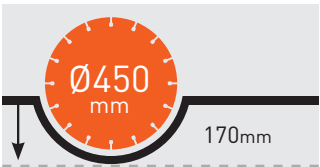
PRODUCT FEATURES



MAX CUT DEPTH - P9



CUTTING DEPTH INDICATOR



MAX CUT DEPTH - P13



SMART CUTTING-DEPTH LOCKING

DIAMOND BLADE RECOMMENDATIONS FOR CS401



Substrate / Material	BETON	SILENCIO	ASPHALT	ALL MATERIALS
Recommended Product	EXTREME BETON	EXTREME BETON SILENCIO	EXTREME ASPHALT	PRO 4X4 EXPLORER
CS401 P9				
Blade x Bore	400 x 25,4mm	400 x 25,4mm	400 x 25,4mm	400 x 25,4mm
Item No.	701846 93354	-	701846 94911	701846 02095
CS401 P13				
Blade x Bore	450 x 25,4mm	450 x 25,4mm	450 x 25,4mm	450 x 25,4mm
Item No.	701846 01689	701846 31020	701846 94912	701846 02096
Page reference	24	25	54	44

CS451 LOW VIBRATION



FEATURES

- Handlebar equipped with vibration absorbers.
- Handlebar height adjustment settings.
- Optimised weight distribution (positioning of motor and tank).
- High capacity water tank (25L).

BENEFITS

- Improved user comfort.
- Ergonomic working position.
- Outstanding cutting performance.
- Option for wet cutting, even far from water supply.



CS451 P13

Item No. 701846 28433
EAN 13 Code 5450248 397601



13HP



9,6kW



PETROL

Power source	Petrol
Motor type	HONDA GX390 Cyclonic
Power	9,6kW (13Hp)
Blade x bore	Ø 450 x 25,4mm
Max. cutting depth	170mm
Dimensions (LxWxH)	1180 x 538 x 1040mm
Water tank capacity (removable)	25 L
Tool speed RPM	2573 min ⁻¹
Starter	Recoil
Raise and lower	Manual
Propelling	Push
Hand Arm Vibrations	2,8 m/s ²
Sound power / pressure level	105 dB (A) / 88 dB (A)
Weight	112kg

CS451 D7

Item No. 701846 29089
EAN 13 Code 5450248 399049



7HP



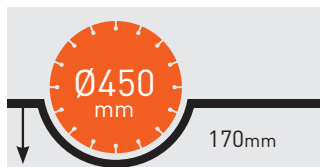
5kW



DIESEL

Power source	Diesel
Motor type	HATZ 1B30
Power	5kW (7Hp)
Blade x bore	Ø 450 x 25,4mm
Max. cutting depth	170mm
Dimensions (LxWxH)	1180 x 538 x 1040mm
Water tank capacity (removable)	25 L
Tool speed RPM	2573 min ⁻¹
Starter	Recoil
Raise and lower	Manual
Propelling	Push
Hand Arm Vibrations	4,7 m/s ²
Sound power / pressure level	110 dB (A) / 91 dB (A)
Weight	120kg

PRODUCT FEATURES



MAX CUT DEPTH



LOW VIBRATION HANDLEBAR



CUT DEPTH INDICATOR



PULLEYS WITH REMOVABLE HUB AND POLY V-BELTS

DIAMOND BLADE RECOMMENDATIONS FOR CS451



Substrate / Material	BETON	SILENCIO	ASPHALT	ALL MATERIALS
Recommended Product	EXTREME BETON	EXTREME BETON SILENCIO	EXTREME ASPHALT	PRO 4X4 EXPLORER
Diameter	450mm	450mm	450mm	450mm
Bore	25,4mm	25,4mm	25,4mm	25,4mm
Item No.	701846 02363	701846 31020	701846 94912	701846 02096
Page reference	24	25	54	44

CS1 P13



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.

PRODUCT DATA

Item No.	701846 29389	Power source	Petrol	Water tank capacity	70 L
EAN 13 Code	5450248 414797	Motor type	HONDA GX390 Cycl.	Tool speed RPM	2600 min ⁻¹
		Power	9,6kW (13 Hp)	Starter	Recoil
		Blade x bore	Ø 500 x 25,4mm	Raise and lower	Manual
		Max. cutting depth	190mm	Propelling	Push
		Dimensions (LxWxH)	1088 x 580 x 925mm	Hand Arm Vibrations	4,22 m/s ²
		Weight	140kg	Sound power / pressure level	105dB(A)/89dB(A)



13HP



9,6kW



PETROL

PRODUCT FEATURES



MAX CUT DEPTH



HANDWHEEL WITH ENDLESS SCREW DEPTH CONTROL SYSTEM



WATER ON BOTH SIDES OF THE BLADE



CYCLONIC AIR FILTER

DIAMOND BLADE RECOMMENDATIONS FOR CS1



Substrate / Material	BETON	SILENCIO	ASPHALT	ALL MATERIALS
Recommended Product	EXTREME BETON	EXTREME BETON SILENCIO	EXTREME ASPHALT	PRO 4X4 EXPLORER
Diameter	500mm	500mm	500mm	500mm
Bore	25,4mm	25,4mm	25,4mm	25,4mm
Item No.	701846 01690	701846 30416	701846 94913	701846 02097
Page reference	24	25	54	44

CSB1 P21



FEATURES

- Heavy duty jig welded steel frame.
- Removable water tank.
- Automatic forward propulsion.
- Manual and hydraulic raise and lower of the blade.

BENEFITS

- Robust and reliable.
- Adapt machine to your specific needs.
- Better comfort of use.
- Quick, easy and accurate depth setting.

PRODUCT DATA

Item No.	701846 45495
EAN 13 Code	5450248 530794

Power source	Petrol
Motor type	HONDA GX630
Power	15kW (20 Hp)
Blade x bore	Ø 600 x 25,4mm
Max. cutting depth	225mm
Dimensions (LxWxH)	1200 x 600 x 1100mm
Weight	240kg

Water tank capacity	Optional (25l accessory)
Tool speed RPM	1775 min ⁻¹
Starter	Electric
Raise and lower	Manual hydraulic
Propelling	Automatic
Hand Arm Vibrations	3,35 m/s ²
Sound power / pressure level	107 dB(A)/89 dB(A)



PRODUCT FEATURES



MAX CUT DEPTH



CONTROL BOX



MANUAL OR HYDRAULIC RAISE & LOWER THE BLADE



REMOVABLE WATER TANK (OPTIONAL)

DIAMOND BLADE RECOMMENDATIONS FOR CSB1 (PETROL)



Substrate / Material	BETON	BETON	ASPHALT	ASPHALT
Recommended Product	EXTREME BETON	PRO BETON	EXTREME ASPHALT 10	PRO ASPHALT
Diameter	600mm	600mm	600mm	600mm
Bore	25,4mm	25,4mm	25,4mm	25,4mm
Item No.	701846 01691	701846 11982	701846 40192	701846 11980
Page reference	24	26	54	55

CSB1 D13



FEATURES

- Built in water tank.
- Manual hydraulic raise and lower of the blade.
- Built in lifting eye at centre of gravity.
- High resistance wheels with sealed heavy duty bearings.

BENEFITS

- Wet cutting autonomy in isolated locations.
- Quick, easy and accurate depth setting.
- Easy loading and transportation.
- Smooth and straight cutting.

PRODUCT DATA

Item No.	701846 13925	Power source	Diesel	Water tank capacity	25 L
EAN 13 Code	5450248 142829	Motor type	HATZ 1D81 Z	Tool speed RPM	1950 min ⁻¹
		Power	9,6kW (13 Hp)	Starter	Crank
		Blade x bore	Ø 500 x 25,4mm	Raise and lower	Manual hydraulic
		Max. cutting depth	190mm	Propelling	Automatic
		Dimensions (LxWxH)	1200 x 600 x 1040mm	Hand Arm Vibrations	5,08 m/s ²
		Weight	255kg	Sound power / pressure level	114 dB(A) / 101 dB(A)



13HP



9,6kW



DIESEL

PRODUCT FEATURES



MAX CUT DEPTH



BUILT-IN WATER TANK



MANUAL OR HYDRAULIC RAISE
& LOWER THE BLADE



BUILT-IN LIFTING EYE

DIAMOND BLADE RECOMMENDATIONS FOR CSB1 (DIESEL)



Substrate / Material	BETON	SILENCIO	ASPHALT	ALL MATERIALS
Recommended Product	EXTREME BETON	EXTREME BETON SILENCIO	EXTREME ASPHALT	PRO 4X4 EXPLORER
Diameter	500mm	500mm	500mm	500mm
Bore	25,4mm	25,4mm	25,4mm	25,4mm
Item No.	701846 01690	701846 30416	701846 94913	701846 02097
Page reference	24	25	54	44

CS451 E & ET LOW VIBRATION



CS451 ET BLADE GUARD

FEATURES

- Heavy duty frame.
- Continuous depth control with hand wheel and gauge.
- Water hose connector.
- Adjustable handle height, for all cutting depths.
- Handlebar equipped with vibration absorbers.
- Dust extraction hose plug (on CS451 ET).

BENEFITS

- Robust, low vibration level.
- Quick, easy and accurate setting.
- Allows wet cutting (for dry cutting when combined with CV360 dust extractor on CS451 ET (see p157).
- Ergonomic working position.
- Improved working conditions.

CS451 E

Item No. 701846 01973
EAN 13 Code 5450248 716822



7,5HP



5,5kW



400V 3~

Supply Voltage / Power	400V 3~ / 5,5kW (7,5Hp)
Fuse/Generator	16A / 14kVA
Blade x bore	Ø 450 x 25,4mm
Max. cutting depth	170mm
Dimensions (LxWxH)	1160 x 512 x 990mm
Water tank capacity (removable)	25 L
Tool speed RPM	2850 min ⁻¹
Starter	Electric
Raise and lower	Manual
Propelling	Push
Hand Arm Vibrations	<2,5 m/s²
Sound power / pressure level	94 dB (A) / 80 dB (A)
Weight	105kg

CS451 ET

Item No. 701846 01972
EAN 13 Code 5450248 716815



7,5HP



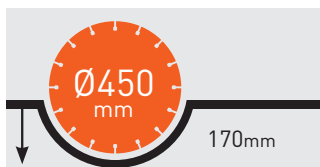
5,5kW



400V 3~

Supply Voltage / Power	400V 3~ / 5,5kW (7,5Hp)
Fuse/Generator	16A / 14kVA
Blade x bore	Ø 350 x 25,4mm
Max. cutting depth	125mm
Dimensions (LxWxH)	1160 x 512 x 990mm
Water tank capacity (removable)	N/A
Tool speed RPM	2850 min ⁻¹
Starter	Electric
Raise and lower	Manual
Propelling	Push
Hand Arm Vibrations	<2,5 m/s²
Sound power / pressure level	94 dB (A) / 80 dB (A)
Weight	105kg

PRODUCT FEATURES



MAX CUT DEPTH
CS451 E



TWIN BLADE MOUNTING
(CS451 E ONLY)



MAX CUT DEPTH
CS451 ET



WATER HOSE CONNECTOR
(CS451 E ONLY)

DIAMOND BLADE RECOMMENDATIONS FOR CS451 E & ET



Substrate / Material	BETON	SILENCIO	ASPHALT	ALL MATERIALS
Recommended Product	EXTREME BETON	EXTREME BETON SILENCIO	EXTREME ASPHALT	PRO 4X4 EXPLORER
CS451 E				
Blade x Bore	450 x 25,4mm	450 x 25,4mm	450 x 25,4mm	450 x 25,4mm
Item No.	701846 02363	701846 31020	701846 94912	701846 02096
CS451 ET				
Blade x Bore	350 x 25,4mm	350 x 25,4mm	350 x 25,4mm	350 x 25,4mm
Item No.	701846 47790	701846 28997	701846 94537	701846 02093
Page reference	24	25	54	44

CS7,5 E



FEATURES

- Heavy duty frame.
- Electrical motor.
- Compact design with easily removable motor.
- Adjustable handle height for all cutting depths.

BENEFITS

- Robust, low vibration level.
- No gas emission, low noise level, adapted to confined areas.
- Easy transport.
- Ergonomic working position.

PRODUCT DATA

Item No.	701846 23924
EAN 13 Code	5450248 333623

Supply Voltage / Power	400V 3~ / 7,5kW (10Hp)
Fuse/Generator	16A / 19 kVA
Blade x bore	Ø 800 x 25,4mm
Max. cutting depth	320mm
Dimensions (LxWxH)	1270 x 580 x 1000mm
Weight	118kg

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)



10HP



7,5kW



400V 3~

PRODUCT COMPARISON



MAX CUT DEPTH



ADJUSTABLE HANDLE



DEPTH CONTROL HAND WHEEL



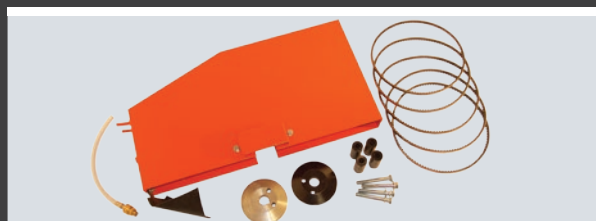
WATER HOSE CONNECTOR

DIAMOND BLADE RECOMMENDATIONS FOR CS7,5 E



Substrate / Material	BETON
Recommended Product	EXTREME BETON
Diameter	800mm
Bore	25,4mm
Item No.	701846 01693
Page reference	24

SPARE PARTS FOR SOME MACHINES AVAILABLE ON **PAGE 126** OR VISIT OUR WEBSITE www.nortonabrazives.com



FLOOR SAW ACCESSORIES

C51

DESCRIPTION	ITEM No.	EAN 13 Code
4 - Front wheel (x1)	3100 06082	5450248 136507
5 - Rear wheel (x1)	3100 05495	5450248 122036
Belts	3100 06076	5450248 136446

CS401 P9 & P13

DESCRIPTION	ITEM No.	EAN 13 Code
4 - Front wheel (x2)	3100 05496	5450248 122043
5 - Rear wheel (x2)	3100 06552	5450248 172376
Belts	3100 05227	5450248 117582

CS451 P13

DESCRIPTION	ITEM No.	EAN 13 Code
1 - Kit for twin blade mounting (18mm)	3103 57954	5450248 446507
4 - Front wheel (x2)	5101 01401	5450248 552536
5 - Rear wheel (x2)	5101 01399	5450248 552512
Belts	3103 49309	5450248 398875

CS451 D7

DESCRIPTION	ITEM No.	EAN 13 Code
1 - Kit for twin blade mounting (18mm)	3103 57954	5450248 446507
4 - Front wheel (x2)	5101 01401	5450248 552536
5 - Rear wheel (x2)	5101 01399	5450248 552512
Belts	3103 60982	5450248 525097

CS1 P13

DESCRIPTION	ITEM No.	EAN 13 Code
4 - Front wheel (x2)	3104 61922	5450248 595717
5 - Rear wheel (x2)	3104 61921	5450248 595700
Belts	3100 06958	5450248 189152

CSB1 P21

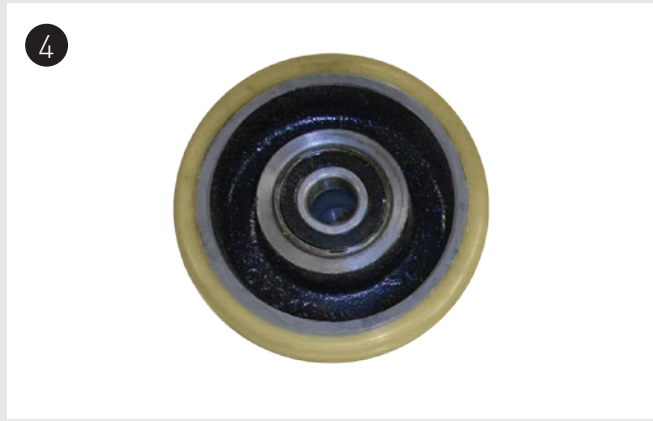
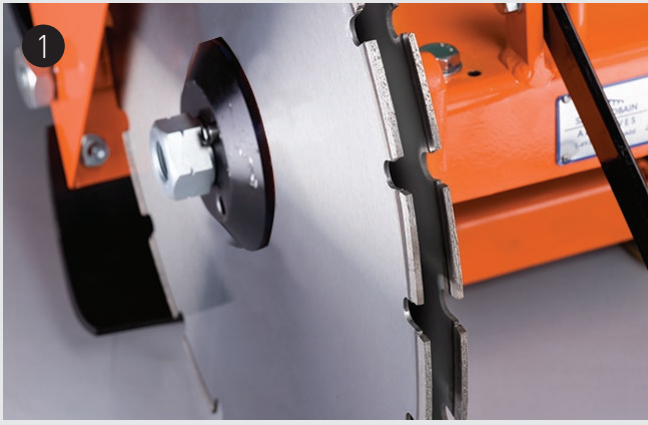
DESCRIPTION	ITEM No.	EAN 13 Code
Kit guard + pulleys for Ø350mm (CSB1 P21)	3100 06678*	5450248 176725
3 - Kit water tank	3104 19088	5450248 534402
4 - Front wheel (x1)	3100 04260	5450248 071839
5 - Rear wheel (x1)	3100 04873	5450248 108047
Belts	3100 31861	5450248 442622
Ventilator belt	3100 04455	5450248 081760

* Available on request.

CSB1 D13

DESCRIPTION	ITEM No.	EAN 13 Code
2 - Kit for 600mm blade guard	3100 05876*	5450248 129226
4 - Front wheel (x1)	3100 04260	5450248 071839
5 - Rear wheel (x1)	3100 04873	5450248 108047
Belts	3100 05852	5450248 128892
Ventilator belt	3100 04178	5450248 068969

* Available on request.



NORTON

SAINT-GOBAIN

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HANDHELD CUT-OFF SAWS



NORTON

SAINT-GOBAIN

clipper[®]

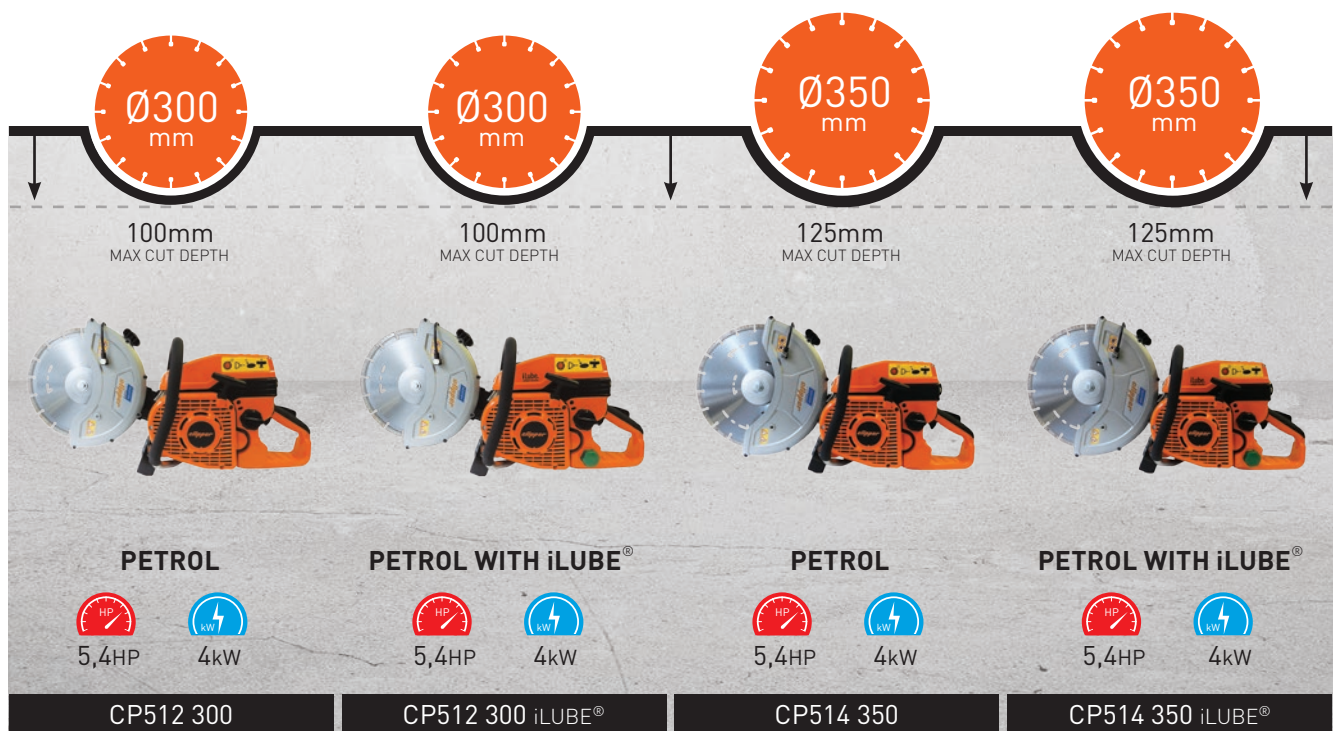
HANDHELD CUT-OFF SAWS

The Norton Clipper cut-off saws are available for 300 and 350mm blades, with standard or automatic oil & fuel mixing system (iLube). Use with Norton Clipper diamond blades for best results.



CP512 RANGE

CP514 RANGE



POWERFUL
4kW
5,4HP
 Power in a compact design

CP512 & CP514



USER-FRIENDLY

- Electronic carburetor allows an easy 3-step engine start. No more choke or half-throttle set-up.
- Easy stopping: just press the red button!
- 5-spring anti-vibration system.
- Back-end handle and enhanced weight balance.
- iLube®: No more worrying about 2-stroke fuel mixtures. Just fill with regular fuel and 2-stroke oil!

LONG-LIFE & LOW MAINTENANCE

- Easy semi-automatic belt tensioning.
- Multi-Stage Air Filter with pulsating air streams. Fitted with external rocker wheel to prevent filters from clogging.
- Magnesium blade guard for extra safety and lighter weight.
- Nikasil-coated cylinder & heavy duty starter rope for longer life.
- V-belt for driving cutting blade.
- Tank caps with over-tightening protection.

	CP512 300	CP512 300 iLUBE®	CP514 350	CP514 350 iLUBE®
Item No.	701846 47558	701846 47560	701846 47562	701846 47564
EAN 13 Code	5450248 563105	5450248 563112	5450248 563129	5450248 563136
Power	4,0kW / 5,4HP	4,0kW / 5,4HP	4,0kW / 5,4HP	4,0kW / 5,4HP
Max. blade x bore	Ø 300 x 20 / 25,4mm	Ø 300 x 20 / 25,4mm	Ø 350 x 20 / 25,4mm	Ø 350 x 20 / 25,4mm
Max. cutting depth	100mm	100mm	125mm	125mm
Rotation speed (RPM)	4450 min ⁻¹	4450 min ⁻¹	4450 min ⁻¹	4450 min ⁻¹
Petrol + oil	≥ 92 RON +2%	≥ 92 RON + iLube® Automatic Mix	≥ 92 RON +2%	≥ 92 RON + iLube® Automatic Mix
Water cooling	✓	✓	✓	✓
Sound power / pressure level	108 dB (A) / 98 dB (A)	108 dB (A) / 98 dB (A)	108 dB (A) / 98 dB (A)	108 dB (A) / 98 dB (A)
Dimensions	430 x 267 x 750mm	430 x 267 x 775mm	430 x 267 x 750mm	430 x 267 x 775mm
Weight	10,1kg	10,2kg	10,4kg	10,5kg

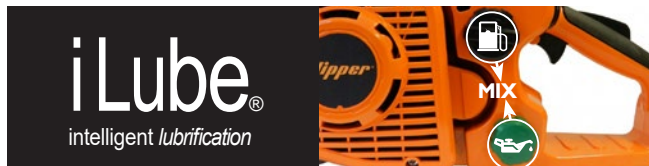
The Norton Clipper handheld cut-off saws are covered by a 6 month commercial warranty, from the date of sale. Warranty conditions are detailed in the instruction manual.

DIAMOND BLADE FOR CP512 & CP514



Substrate / Material	BETON	SILENCIO	UNIVERSAL	NATURAL STONE	ALL MATERIALS
Recommended Product	EXTREME BETON	EXTREME BETON SILENCIO	EXTREME UNIVERSAL TURBO	EXTREME GRANITE	PRO 4X4 EXPLORER
CP512					
Blade x Bore	300 x 20mm	300 x 20mm	300 x 20mm	300 x 20mm	300 x 20mm
Item No.	701846 47787	701846 29000	701846 11230	701846 01173	701846 02022
CP514					
Blade x Bore	350 x 20mm	350 x 20mm	350 x 20mm	350 x 25,4mm	350 x 20mm
Item No.	701846 47789	701846 47780	701846 11427	701846 01174	701846 02091
Page reference	24	25	30	50	44

PRODUCT FEATURES



NO MORE PRE-MIXING OIL & FUEL* ON iLUBE MACHINES ONLY

Fill oil and fuel tanks separately. The internal oil pump and sensor mixes the liquids perfectly for enhanced longevity. Save fuel costs through buying fuel and oil separately instead of expensive pre-mix.

Fill the 2 tanks and the patented iLube® system will automatically mix oil and fuel for maximum efficiency and prevent damage.

Save maintenance costs with iLube® system. No more damage from overheating, forgetting oil, or piston clogging through a mix which is too rich.

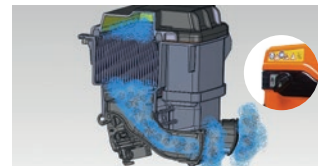
* Available only on CP512i and CP514i



3-STEP EASY START – HOT OR COLD

The electronic carburetor's electromagnetic valve eliminates the standard choke and half throttle start. Simply turn the saw on, and:

1. Push the primer three times
2. Push decompression button
3. Pull the recoil



MULTI-STAGE AIR FILTRATION

Patented twin-pipe interceptors create an air pulsation that draws fresh air in while pushing hot air away from the engine and releasing it to keep the saw running cool and reduce debris being trapped in the filter. The external rocker wheel vibrates the filter to further help release debris. This system extends filter life for less cleaning/replacement.

ACCESSORIES & SPARE PARTS



ACCESSORIES

DESCRIPTION	ITEM No.	EAN 13 Code
1 - 10L pressure water tank	3104 64031	5450248 684640
2 - 35L electric water tank	3104 64029	5450248 684633
Wheels	5101 09845	4015966 921081

SPARE PARTS

DESCRIPTION	ITEM No.	EAN 13 Code
Air filter	5101 07009	5450248 568469
Kit of 10 air filters	5101 07010	5450248 568476
Belt	5101 06974	5450248 568377
Carburetor repair kit (incl. instructions)	5101 12803	5450248 582267
Starter rope	5101 29769	5450248 720232
Return spring	5101 29754	5450248 720225



Clipper's Tip

FOR MORE INFORMATION
ON QUICK FIX SEE PAGE 44

NORTON

SAINT-GOBAIN

clipper[®]

DRILL MOTORS & DRILLING RIGS





clipper®

DRILL MOTORS & DRILLING RIGS

The Norton Clipper drilling range is made of powerful and ergonomic handheld and rig mounted drill motors for drilling up to diameters of 400mm. Use with Norton Clipper core bits for optimal results.



HANDHELD

RIG MOUNTED

HANDHELD		RIG MOUNTED	
MINIMUM & MAXIMUM CORE DIAMETER	MINIMUM & MAXIMUM CORE DIAMETER	MINIMUM & MAXIMUM CORE DIAMETER	MINIMUM & MAXIMUM CORE DIAMETER
Ø15mm -160mm	Ø15mm -200mm	Ø25mm -250mm	Ø30mm -350mm
8,1kg	8,5kg	12,5kg	13,5kg
1800w	2000w	2500w	3300w
CDM 163	CDM 203	CDM 253	CDM 353



DRILL RIGS

MAXIMUM CORE DIAMETER	MAXIMUM CORE DIAMETER	MAXIMUM CORE DIAMETER	MAXIMUM CORE DIAMETER	MAXIMUM CORE DIAMETER
Ø130 mm	Ø160 mm	Ø250 mm	Ø350 mm	Ø400 mm
8,9kg	9,6kg	13kg	23,4kg	23,9kg
0-45°	0-45°	0-45°	0-45°	0-45°
CDR 133	CDR 163	CDR 253	CDR 353	CDR353 + SPACER



CDM 163

- Powerful 1,8kW, 3 speed handheld drill motor with combined spindle ½" + 1"¼.
- Can be used on a drill stand.
- Each Norton Clipper CDM drilling motor benefits from an additional 12-month commercial warranty, to reach a total of 2-year warranty from the date of purchase.



1,8kW |
 Ø 15-160mm |
 8,1kg |
 ½" + 1"¼ |
 3 speeds |

PRODUCT DATA

Item No.	701846 47807
EAN 13 Code	5450248 571568
Power	1800W
Volts	230V1~
Ø Range	15-160mm
RPM*	540/1200/2280
Dry	Yes**
Wet	Yes
Connection	½ + 1"¼
Weight	8,1kg

* RPM under load

** See our dust swivel on page 148

FEATURES

- Powerful 1800W 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 to use.
- 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 & mechanical parts for longer life.
- Easy and safe transportation.

PRODUCT FEATURES



COMBINED SPINDLE.



3-SPEED GEARBOX.



DIFFERENTIAL SWITCH
230 V 16 A - 10 mA

CDM 203

- Powerful 2kW, 3 speed handheld drill motor with combined spindle 1/2" + 1 1/4".
- Can be used on a drill stand.
- Each Norton Clipper CDM drilling motor benefits from an additional 12-month commercial warranty, to reach a total of 2-year warranty from the date of purchase.



2kW |
 Ø 15-200mm |
 8,5kg |
 1/2" + 1 1/4" |
 3 speeds |

PRODUCT DATA

Item No.	701846 47808
EAN 13 Code	5450248 571575
Power	2000W
Volts	230V1~
Ø Range	15-200mm
RPM*	240/1200/2900
Dry	Yes
Wet	Yes
Connection	1/2 + 1 1/4"
Weight	8,5kg

* RPM under load

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 1/4" and 1/2" corebits.
- Easy torque-control and comfortable to use.
- 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 & mechanical parts for longer life.
- Easy and safe transportation.

PRODUCT FEATURES



COMBINED SPINDLE.



3-SPEED GEARBOX.



DUAL WATER-INLET AND DUST-COLLECTOR CONNECTOR



DIFFERENTIAL SWITCH
230 V 16 A - 10 mA

CDM 253

- Powerful 2,5kW, 3 speed drill motor with a 1 1/4".
- To be used in a drill stand.
- Each Norton Clipper CDM drilling motor benefits from an additional 12-month commercial warranty, to reach a total of 2-year warranty from the date of purchase.



PRODUCT DATA

Item No.	701846 47809
EAN 13 Code	5450248 571582
Power	2500W
Volts	230V1~
Ø Range	25-250mm
RPM*	310/600/840
Dry	No
Wet	Yes
Connection	1 1/4"
Weight	12,5kg

* RPM under load

FEATURES

- 2500W 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.

PRODUCT FEATURES



EASY ACCESS TO MOTOR BRUSHES



3-SPEED GEARBOX.



FULL ALUMINIUM BODY FOR ENHANCED HEAT DISSIPATION



DIFFERENTIAL SWITCH 230 V 16 A - 10 mA

CDM 353

- Powerful 3,3kW, 3 speed drill motor with a 1 1/4".
- To be used in a drill stand.
- Each Norton Clipper CDM drilling motor benefits from an additional 12-month commercial warranty, to reach a total of 2-year warranty from the date of purchase.



3,3kW
 Ø 30-350mm
 13,5kg
 1 1/4"
 3 speeds

PRODUCT DATA

Item No.	701846 47810
EAN 13 Code	5450248 571599
Power	3300W
Volts	230V1~
Ø Range	30-350mm
RPM*	192/390/570
Dry	No
Wet	Yes
Connection	1 1/4"
Weight	13,5kg

* RPM under load

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.

PRODUCT FEATURES



EASY ACCESS TO MOTOR BRUSHES



3-SPEED GEARBOX.



FULL ALUMINIUM BODY FOR ENHANCED HEAT DISSIPATION




DIFFERENTIAL SWITCH
230 V 16 A - 10 mA

CDR 133/163

Aluminium drill stand combining rigidity, precision and ease of use. Accurate and smooth drilling guide of four high performance nylon rolls. Easily accessible guiding wheels for wear compensation adjustment.



Ø 130 / 160mm

 8,9-9,6kg

 600mm

0 - 45°

	CDR 133	CDR 163
Item No.	3104 68576	3104 68577
EAN 13 Code	5450248 690726	5450248 690733
Diam. Max	130mm	160mm
Hub	600mm	600mm
Column	Aluminium	Aluminium
Column section	45 x 60mm	45 x 60mm
Base	Dowel + vaccum	Dowel + vaccum
Base dimensions	230 x 380mm	280 x 460mm
Height	910mm	850mm
Weight	8,9kg	9,6kg
Bit guide	No	No
Motor mounting plate	Ring 60mm	Ring 60mm
Carriage	Aluminium	Aluminium
Carriage Guiding system	Rolls	Rolls
Carriage handle	Yes	Yes
Carriage travel	1:1	1:1
Braces	No	Yes
Tilting	0-45°	0-45°
Spirit level	No	No
Transport wheels	No	No

FEATURES

- Aluminium column.
- Left and right mounting drive-lever.
- Multi-purpose drive-lever.
- Spirit level.
- Roll-guided carriage.
- Ring mounting motor collar (60mm).
- Transport handle.
- Pre-mounted rig.

BENEFITS

- Robust, reliable and light weight.
- Easy to use even in confined environments.
- Can be used for levelling and locking screws.
- For accurate column levelling.
- High accuracy drill guiding, little maintenance.
- Quick and easy motor mounting without any additional tools.
- Easy and ergonomic handling.
- Use it directly out of the box.

PRODUCT FEATURES



ALUMINIUM COLUMN.



SPIRIT LEVEL.



CARRIAGE GUIDING SYSTEM BY ROLLS.

CDR 253/353

Aluminium drill stand combining rigidity, precision and ease of use. Accurate and smooth drilling guide of four high performance nylon rolls. Easily accessible guiding wheels for wear compensation adjustment.



CDR 253

CDR 353

Ø 250 / 400mm

13-23,9kg



600-690mm

0 - 45°

	CDR 253	CDR 353	CDR 353 + SPACER
Item No.	3104 68578	3104 68581	3104 68581 + 3104 72133
EAN 13 Code	5450248 690740	5450248 690757	5450248 690757 + 5450248 695196
Diam. Max	250mm	350mm	400mm
Hub	600mm	690mm	690mm
Column	Aluminium	Aluminium	Aluminium
Column section	50 x 60mm	70 x 70mm	70 x 70mm
Base	Dowel + vaccum	Dowel + vaccum	Dowel + vaccum
Base dimensions	350 x 540mm	370 x 550mm	370 x 550mm
Bit guide	No	Yes	Yes
Motor mounting plate	Plate included	Plate included	Plate included
Carriage	Aluminium	Aluminium	Aluminium
Carriage Guiding system	Rolls	Rolls	Rolls
Carriage handle	Yes	Yes	Yes
Carriage travel	01:01	1:1 + 2:1	1:1 + 2:1
Braces	Yes	Yes	Yes
Tilting	0-45°	0-45°	0-45°
Spirit level	Yes	Yes	Yes
Transport wheels	Yes	Yes	Yes
Height	970mm	1080mm	1080mm
Weight	13kg	23,4kg	23,9kg

PRODUCT FEATURES



SIMPLE LEVEL ADJUSTMENT WITH 4 SCREWS ON BASE.



2 DIFFERENT REPORT/RATIO ON THE CDR353 CARRIAGE FOR AN EASY HANDLE.



TRANSPORT WHEELS.



METALLIC RIGID POINTER (CDR353).



LEFT AND RIGHT MOUNTING DRIVE LEVER.

FEATURES

- Aluminium column.
- Roll-guided carriage.
- Transport wheels.
- 4 points level adjustment.
- Multi-purpose drive-lever.
- Standard motor mounting fixture.
- Transport handle.
- Carriage travel (CDR353).
- Pre-mounted rig.

BENEFITS

- Robust, reliable and light weight.
- High accuracy drill guiding, low maintenance.
- For easy transportation.
- 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.
- Use it directly out of the box.

DRILL & RIG KITS

KIT INCLUDES:

- Drill stand.
- Drill motor.
- Dowel base.
- PRCD.
- Tools and fixing screws (without dowel or corebit).



Rig	Motor	Power	Max \varnothing (mm)	RPM	Weight	Item No.	EAN 13 Code
CDR 133	CDM 163	1800W	130	540//1200/2280	16,9kg	701846 94704	5450248 694496
CDR 163	CDM 203	2000W	200	240/1200/2280	18,1kg	701846 94705	5450248 694502
CDR 253	CDM 253	2500W	250	300/600/840	28,5kg	701846 94306	5450248 597001
CDR 353	CDM 353	3300W	350	192/390/570	39,9kg	701846 94307	5450248 597018
CDR 353 + SPACER	CDM 353	3300W	400	192/390/570	40,4kg	701846 94308	5450248 597025

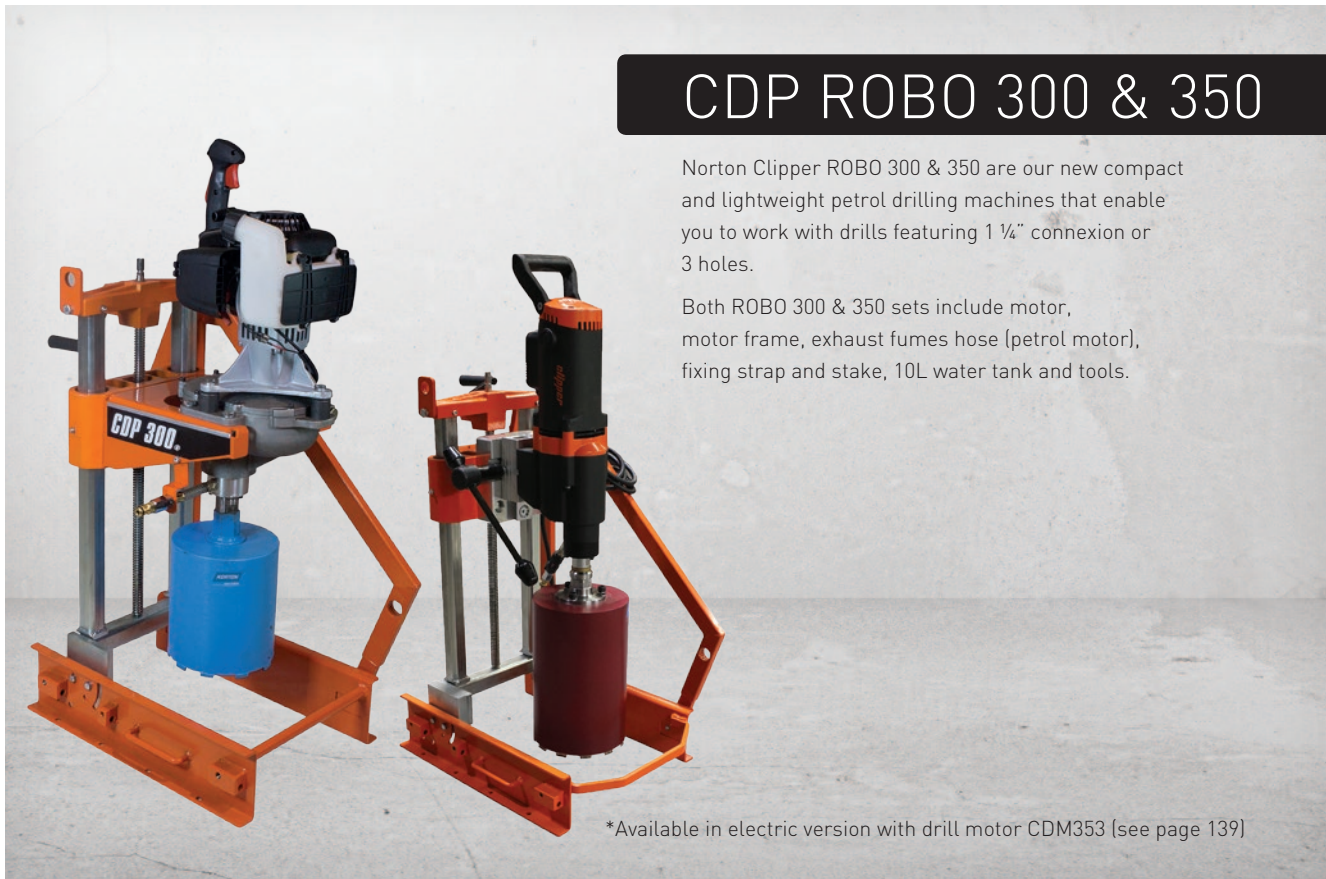


CDP ROBO 300 & 350

Norton Clipper ROBO 300 & 350 are our new compact and lightweight petrol drilling machines that enable you to work with drills featuring 1 1/4" connexion or 3 holes.

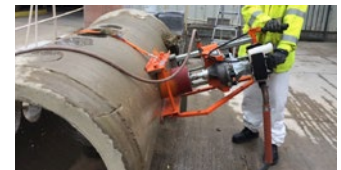
Both ROBO 300 & 350 sets include motor, motor frame, exhaust fumes hose (petrol motor), fixing strap and stake, 10L water tank and tools.

*Available in electric version with drill motor CDM353 (see page 139)



	CDP ROBO 300	CDP ROBO 350	CDP ROBO 350 ELECTRIC*
Item No.	701846 01368	701846 01369	701846 01371
EAN 13 Code	5450248 707134	5450248 707141	5450248 707158
Motor	2 stroke 2,3kW	2 stroke 2,3kW	CDM 353 3,3kW
Hub	500mm	500mm	500mm
Diameter Range	100 - 300mm	100 - 354mm	100 - 354mm
RPM min	300	300	192/390/570
Weight	53kg	55kg	55kg

PRODUCT FEATURES



EASY TO USE FIXING STRAP TO DRILL EVERYWHERE ON THE PIPE.



CUT AT 45°.



FOR USING IN TRENCH AND CONFINED SPACE ENVIRONMENTS.

FEATURES

- High stroke.
- Continuous column angle setting up to 45°.
- Heavy duty frame.
- Compact and lightweight.

BENEFITS

- Allows use of drills with 1 1/4" connexion or 3 holes.
- Easy setting by column swing, pre-defined 45° and 90° positions.
- Stability, even working in a trench.
- Easy to use in confined space environments.



Clipper's Tip

FOR OPTIMAL RESULTS, USE **CLIPPER PRO CB BETON ROBO** (PAGE 70)



CONNECTION: 3-HOLE FLANGE



ACCESSORIES

DRILL RIGS

ACCESSORIES	ITEM No.	EAN 13 Code
1 - Vacuum pump Vp 136	3104 69674	3157629 635346
2 - Differential switch 30 mA (PRCD)	3100 05608	5450248 124146
3 - Submerged water pump	3100 06044	5450248 138686
4 - Quick release anchor set (CDR253/353/403)	3100 03976	5450248 049418
4 - Quick release anchor set (CDR133/163)	3103 89142	5450248 472209
5 - Bronze ring	3100 04317	5450248 074434
6 - Dowel installation tool	3103 87451	5450248 467113
7 - Rawl dowel (25 p)	3100 06879	5450248 189879
8 - Telescopic brace (Lmin = 1,80m; Lmax = 2,90m)	3104 69673	3157629 635353
9 - Fixing dowel M12 (10p)	3100 04562	5450248 089995
10 - Tie-bar anchor rod for rawl dowel	3100 06977	5450248 190042
11 - Drifter	3100 07056	5450248 193043
12 - Drill SDS 15mm	3100 05211	5450248 117223
13 - 10L pressure water tank	3104 64031	5450248 684640
14 - Water tank 35L with electrical pump	3104 64029	5450248 684633
15 - Centering device 120mm	3100 07049	5450248 192909

WATER COLLECTING RINGS

16 - Water/dust collector diam 10 - 85mm	3104 94440	5450248 719946
16 - water/dust collector diam 90 - 175mm	3104 94441	5450248 719953

WATER COLLECTING RINGS (delivered with 3 joints)

ITEM No.	EAN 13 Code
17 - Water collector CDR133/163 max diam. 130mm	3104 70303 5450248 694526
17 - Water collector CDR163/253 max diam. 180mm	3104 77208 5450248 702832
17 - Water collector CDR353 max diam. 300mm	3104 70304 5450248 694533

SPARE SEALS

18 - CDR133/163 diam. 130mm	3104 77210	5450248 702849
18 - CDR163/253 diam. 180mm	3104 77211	5450248 702856
18 - CDR353 diam. 300mm	3104 77212	5450248 702863

VACUUM BASE

19 - CDR133	3104 74123	5450248 703112
19 - CDR163	3104 70435	5450248 697268
19 - CDR253	3104 74124	5450248 703129
19 - CDR353	3104 74125	5450248 703136

SPACER AND MOUNTING RINGS

20 - Spacer plate for CDR353 to increase capacity from d350 to d400mm	3104 72133	5450248 695196
21 - Ring 60mm for mounting handheld motors on rig	3103 88827	5450248 471325

ACCESSORIES



ACCESSORIES



CDP ROBO

ACCESSORIES	ITEM No.	EAN 13 Code
1 - Water tank 10L	3104 64031	5450248 684640
2 - Exhaust pipe (length : 3m 30)	5101 36894	5450248 737391
3 - Fixing stakes (x2)	5101 36997	5450248 737407
4 - Tool kit	3103 91934	5450248 493631
5 - Fixing strap	5101 36998	5450248 737414
6 - Water tank 35L	3104 64029	5450248 684633
7 - Foot plates with rolls	3105 08732	5450248 736097

ACCESSORIES



ADAPTORS

ACCESSORIES	ITEM No.	EAN 13 Code
1 - 1 1/4" UNC Female x R 1/2" Fem	3100 04570	5450248 090823
2 - 1 1/4" UNC Male x R 1/2" Male	3100 04558	5450248 089537
3 - 1 1/4" UNC Male x Hilti DDBU	3100 06712	5450248 180968
4 - R 1/2" Fem x Hilti DDBI	3100 07181	5450248 202264
5 - R 1/2" Male x R 1/2" Male	3100 12389	5450248 238768
6 - SDS Male x R 1/2" Male	3100 12391	5450248 238782
7 - 3 holes flange x 1 1/4" UNC Fem	3100 04594	5450248 094111
8 - 3 holes flange x 1 1/4" UNC Male	3100 04595	5450248 094128

EXTENSIONS

ACCESSORIES	LENGTH	ITEM No.	EAN 13 Code
9 - 1 1/4" UNC Fem x 1 1/4" UNC Male	100mm	3100 04577	5450248 092001
9 - 1 1/4" UNC Fem x 1 1/4" UNC Male	200mm	3100 04571	5450248 090939
9 - 1 1/4" UNC Fem x 1 1/4" UNC Male	300mm	3100 04574	5450248 091196
9 - 1 1/4" UNC Fem x 1 1/4" UNC Male	500mm	3100 04575	5450248 091202
9 - R 1/2" Fem x R 1/2" Male	100mm	3100 04610*	5450248 095262
10 - R 1/2" Fem x R 1/2" Male	200mm	3100 04578	5450248 092018
10 - R 1/2" Fem x R 1/2" Male	300mm	3100 04572	5450248 090946
10 - R 1/2" Fem x R 1/2" Male	500mm	3100 04576	5450248 091219

* Available on request.

ACCESSORIES



DRILL RIGS CONNECTORS

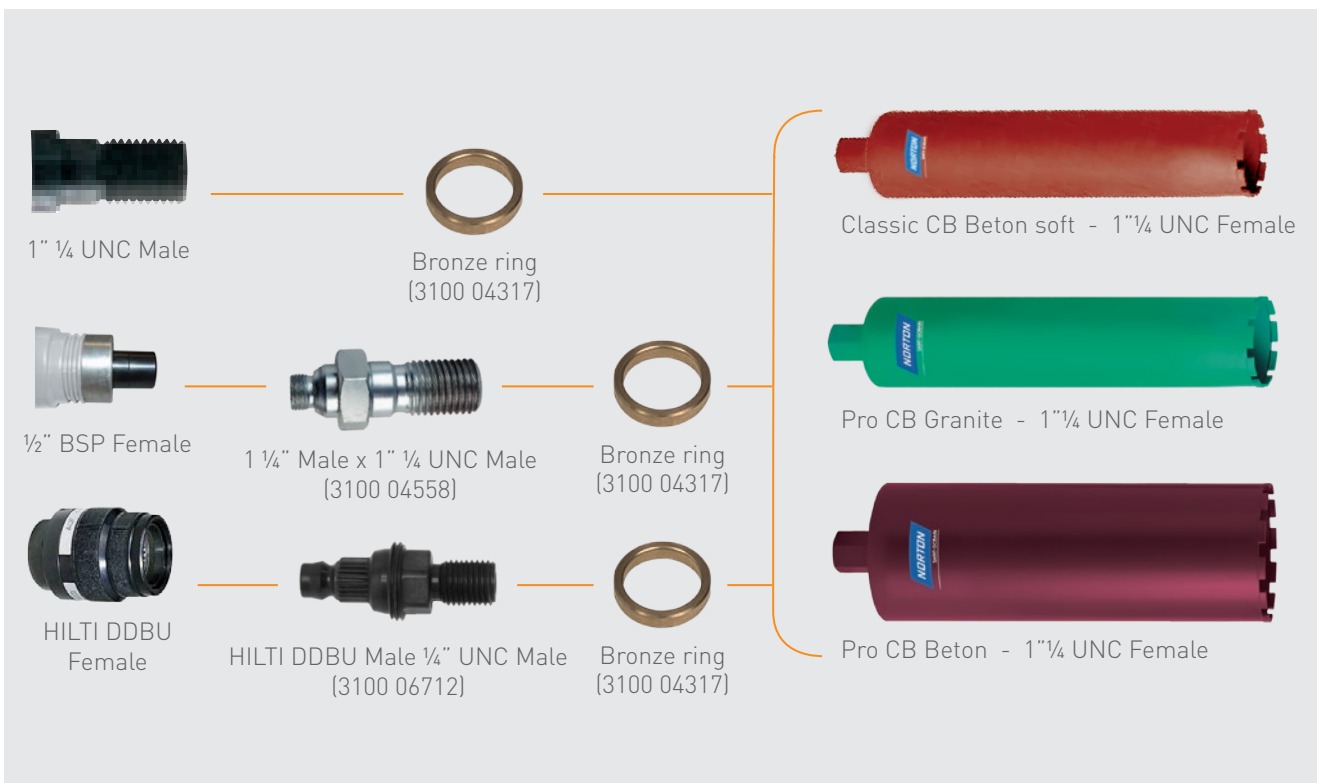
ACCESSORIES	ITEM No.	EAN 13 Code
1 - Dust swivel 1/2" Male-Female	3103 89028	5450248 471806
2 - 150mm Extension	3100 11352	5450248 230410
3 - 250mm Extension	3100 11353	5450248 230427
4 - Hex Adaptor Pack	3100 11356	5450248 234876
5 - SDS Adaptor Pack	3100 11357	5450248 234883
6 - HEX Adaptor	3100 11349	5450248 230397
7 - SDS Adaptor	3100 11354	5450248 230434
7 - 10mm A Taper Masonry Drill	3100 11347	5450248 372776
8 - Ejector Drift	3100 11351	5450248 372721

M16 DRILLING

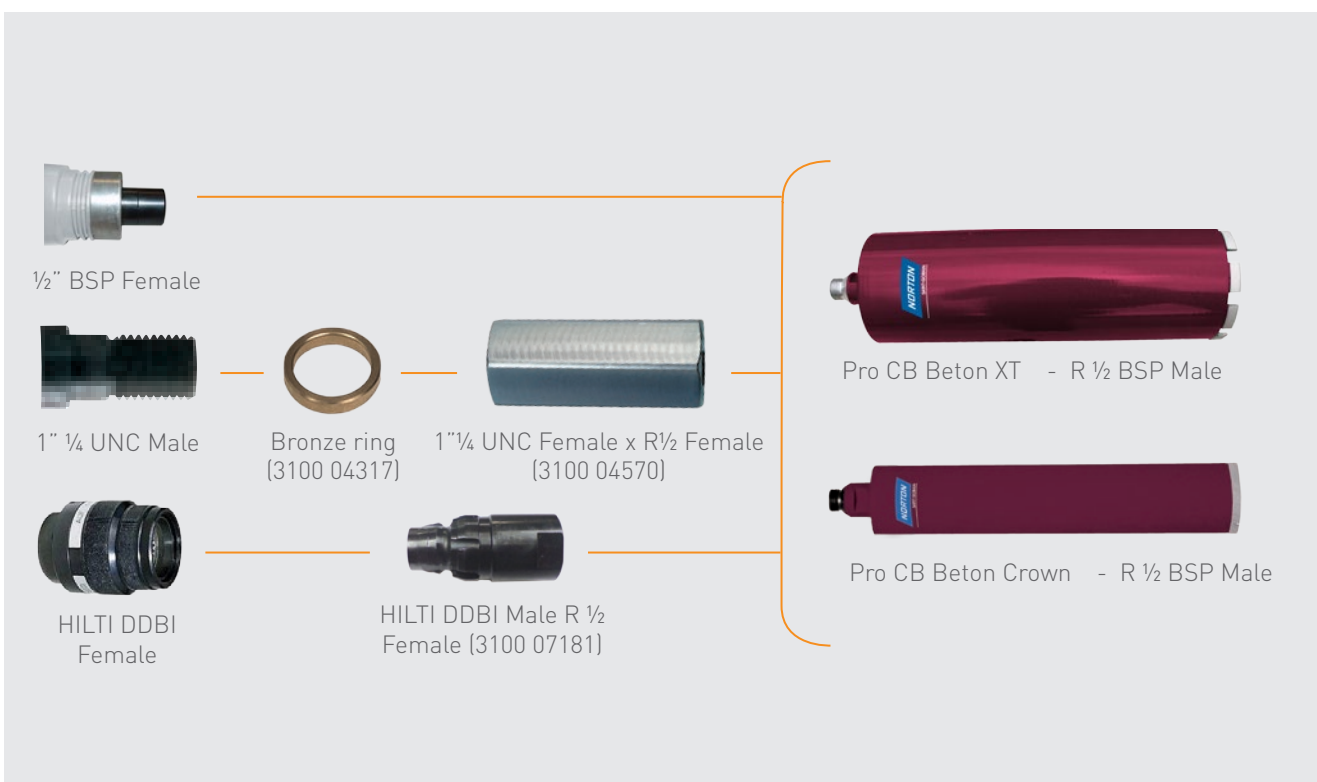
ACCESSORIES	ITEM No.	EAN 13 Code
9 - Pilot drill Ø6mm	3100 03973	5450248 049234
10 - Connector-Hex M16 for tapered pilot drill Ø6mm	3100 03974	5450248 049241
11 - M16 Male x R1/2" Male	3100 06030	5450248 149897
12 - Connector SDS M16 for tapered pilot drill Ø6mm	3100 05899	5450248 149880
13 - SDS connector with screw M16 for Ø6mm drill	3100 05898	5450248 149873

CONNECTIONS

WET HANDHELD DRILLING WITH COREBIT 1" 1/4 UNC FEMALE

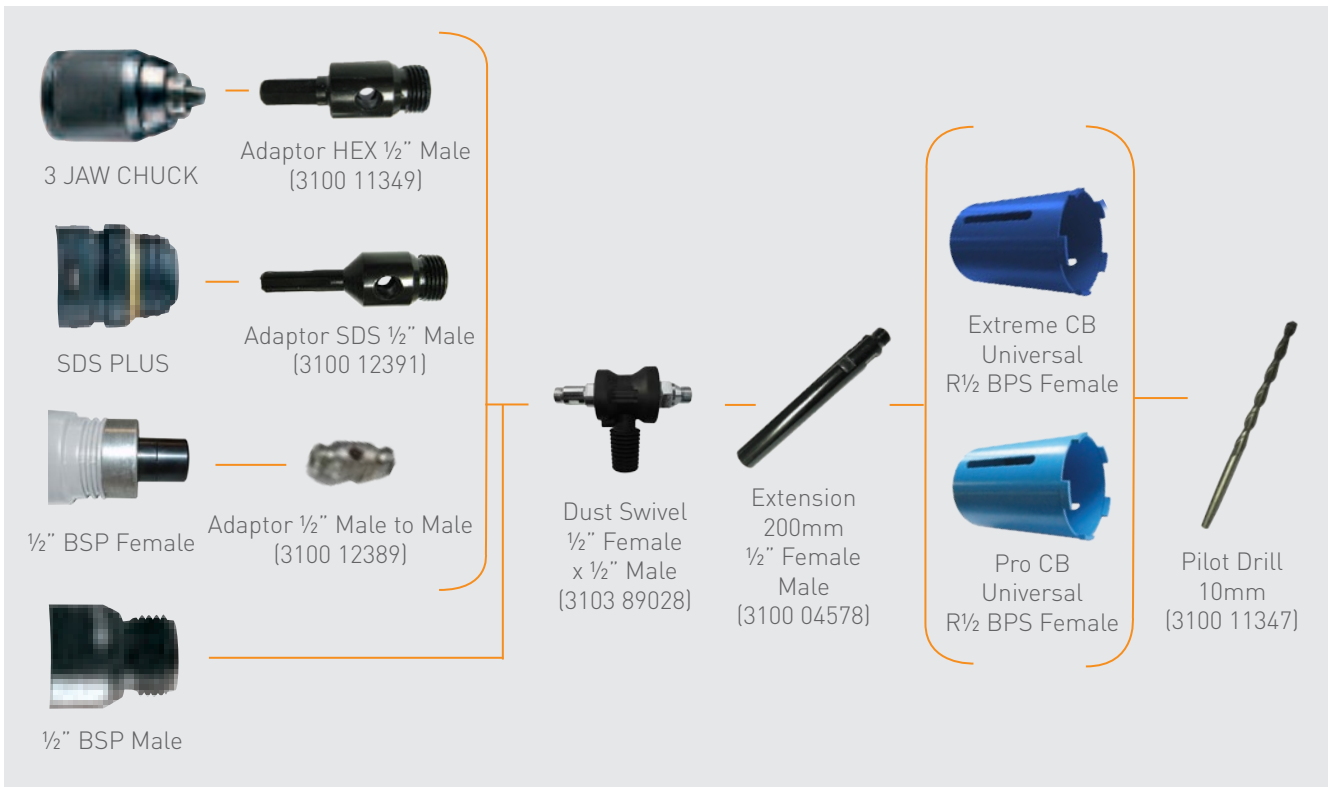


WET HANDHELD DRILLING WITH COREBIT R 1/2 BSP MALE

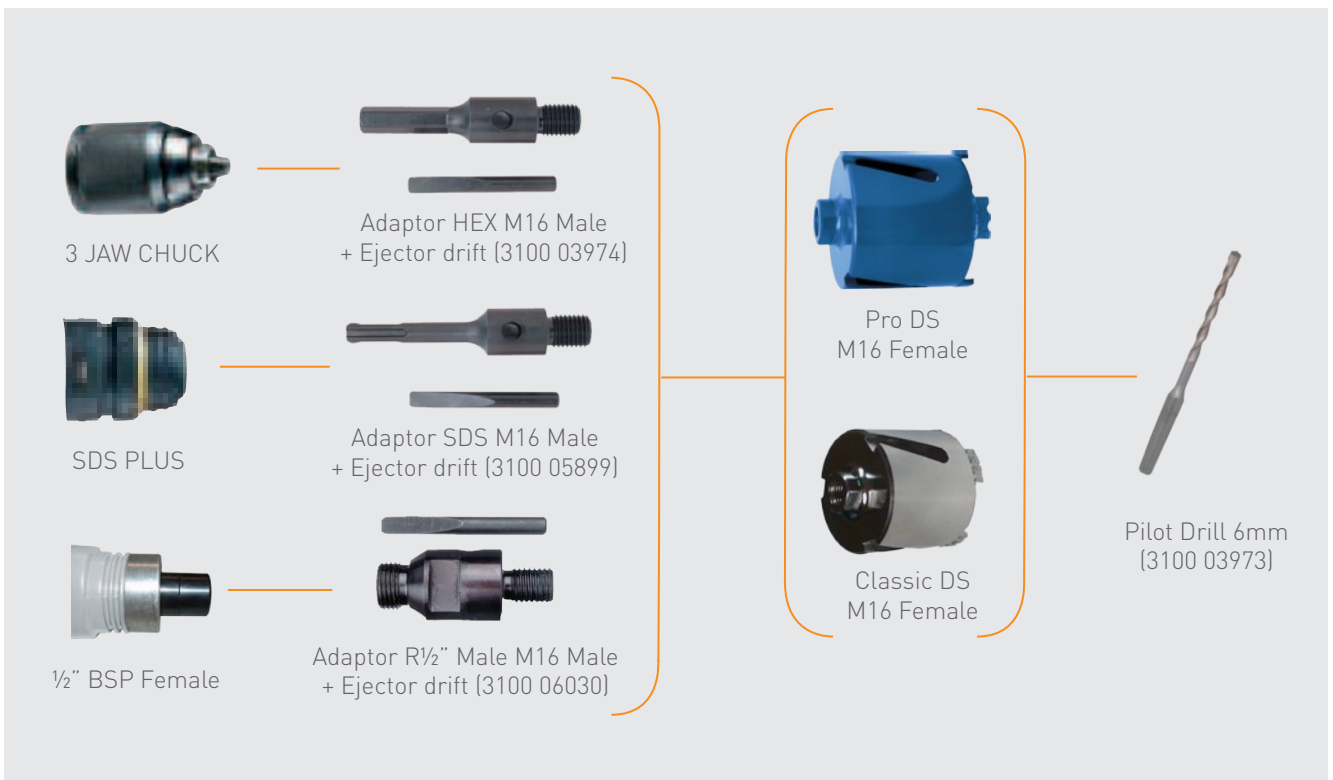


CONNECTIONS

DRY HANDHELD DRILLING WITH COREBIT R $\frac{1}{4}$ BSP FEMALE



DRY HANDHELD DRILLING M16 FEMALE



NORTON

SAINT-GOBAIN

clipper[®]

POWER FLOATS



NORTON

SAINT-GOBAIN

clipper[®]

POWER FLOATS

The Norton Clipper Power float range is made of machines with blade diameters of 600 up to 1110mm for the finish of small to large concrete screeds

Model	Blade Diameter (mm)	Weight (kg)	Power (HP)	Power (kW)	Engine Type
CT 600 UNO	Ø600	34kg	1,5HP	1,1kW	ELECTRIC
CT 601	Ø600	65kg	3HP	2,2kW	ELECTRIC
CT 901	Ø900	75kg	6,5HP	4,8kW	PETROL



Model	Blade Rotation Diameter (mm)	Weight (kg)	Power Type	HP	kW
MTA 36	Ø865	85kg	ELECTRIC	3HP	2,2kW
	Ø865	80kg	PETROL	6,5HP	4,8kW
CT 1201	Ø1110	110kg	PETROL	9HP	6,6kW



CT600 UNO

FEATURES

- 34kg light weight.
- Dead man handle.
- Mechanical blade pitch control.

BENEFITS

- Easy to transport.
- User's safety.
- Setting accuracy for perfect surface finish.



PRODUCT DATA

Item No.	701846 94230	Included tools	Finishing blades & pan	Guard ring diameter	610mm
EAN 13 Code	5450248 594680	Power Source	Electric	Distance to wall	25mm
		Power	1,1 kW (1,5Hp)	Pitch control	Mechanical
		Motor Type	Electric	Hand Arm Vibrations	< 2,5 m/s ²
		Supply Voltage	230V 1~	Sound power / pressure level	91dB(A) / 71dB(A)
		Fuse / Generator	16A / 6kVA	Dimensions (LxWxH)	1330 x 610 x 950mm
		Blade rotation ø (clockwise)	600mm	Weight (without pans)	34kg



1,5HP



1,1kW



230V

PRODUCT FEATURES



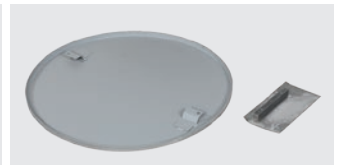
COMPENSATION SPRING



FOLDABLE MACHINE ARM



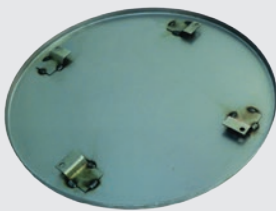
BLADES SAFETY GUARD RINGS



DELIVERED WITH FINISHING BLADES & PAN

ACCESSORIES CT600 UNO & CT601

1



2



3



	DIMENSIONS L x L (mm)	FIXING THREAD	SPACING	ITEM No.	EAN 13 CODE
1 - Floating pan	Ø600	Mechanical stop	-	3100 04554	5450248 089179
2 - Finishing blades (set of 4)	230 x 120	M6	100	3103 69479	5450248 440185
3 - Feet skates (set of 2)	-	-	-	3100 04551	5450248 089063

CT601



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.

CT601 MP

Item No. 701846 29945
EAN 13 Code 5450248 439998



4HP



2,9kW



PETROL

Included tools	Finishing blades and pan
Power Source	Petrol
Power	2,9kW (4Hp)
Motor Type	HONDA GX 120
Supply Voltage	-
Fuse / Generator	-
Blade rotation diameter (clockwise)	600mm
Guard ring diameter	620mm
Distance to wall	10mm
Pitch control	Mechanical
Hand Arm Vibrations	< 2,5 m/s ²
Sound power / pressure level	93dB(A) / 81dB(A)
Dimensions (LxWxH)	1560 x 650 x 1060mm
Weight (without pans)	62kg

See CT601 accessories on CT600 UNO page

CT601 ME

Item No. 701846 29946
EAN 13 Code 5450248 440017



3HP



2,2kW



230V

Included tools	Finishing blades and pan
Power Source	Electric
Power	2,2kW (3Hp)
Motor Type	-
Supply Voltage	230V 1~
Fuse / Generator	16A / 6kVA
Blade rotation diameter (clockwise)	600mm
Guard ring diameter	620mm
Distance to wall	10mm
Pitch control	Mechanical
Hand Arm Vibrations	< 2,5 m/s ²
Sound power / pressure level	91dB(A) / 79dB(A)
Dimensions (LxWxH)	1560 x 650 x 1060mm
Weight (without pans)	65kg

PRODUCT FEATURES



LIFTING HOOK



BLADE SAFETY GUARD



FOLDABLE MACHINE ARM



DISTANCE TO WALL: 10mm

CT901

FEATURES

- Heavy duty jig welded steel frame.
- Dead man handle.
- Blades safety guard rings.
- Mechanical blades pitch control.

BENEFITS

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



PRODUCT DATA

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



6,5HP



4,8kW



PETROL

PRODUCT FEATURES



HANDLING OF THE MACHINE



ADJUSTABLE AND FOLDABLE



BLADES SAFETY GUARD RINGS

ACCESSORIES CT901



	DIMENSIONS L x L (mm)	FIXING THREAD	SPACING	ITEM No.	EAN 13 CODE
1 - Floating plate / pan	Ø900	Mechanical stop	-	3100 04546	5450248 088967
2 - Floating blades (set of 4)	355 x 250	Clamp	-	3104 03131	5450248 512547
3 - Finishing blades (set of 4)	355 x 150	M8	122	3104 03132	5450248 512554
4 - Combination blades (set of 4)	330 x 200	M8	127	3100 04541	5450248 088745
5 - Finishing blades with moving nut (set of 4)	330 x 150	M8	82-160	3100 04564	5450248 090472
6 - Combination blades with moving nut (set of 4)	330 x 200	M8	82-160	3100 04565	5450248 090489
7 - Feet skates (set of 2)	-	-	-	3100 04551	5450248 089063

MTA36

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.



DEAD MANS HANDLE



HYDRAULIC PITCH CONTROL

MTA36 P5H

Item No. 701846 14008
EAN 13 Code 5450248 145783



6,5HP



4,8kW



PETROL

Power Source	Petrol
Power	4,8kW (6,5Hp)
Motor Type	HONDA GX200 QX
Supply Voltage	-
Fuse / Generator	-
Blade rotation diameter (clockwise)	865mm
Guard ring diameter	915mm
Distance to wall	25mm
Pitch control	Hydraulic
Hand Arm Vibrations	4 m/s ²
Sound power / pressure level	94dB(A)/85dB(A)
Dimensions (LxWxH)	1790 x 915 x 790mm
Weight (without pans)	80kg

MTA36,30,3

Item No. 701846 13921
EAN 13 Code 5450248 142539



3HP



2,2kW



400v

Power Source	Electric
Power	2,2kW (3Hp)
Motor Type	-
Supply Voltage	400V 3~
Fuse / Generator	10A /6kVA
Blade rotation diameter (clockwise)	865mm
Guard ring diameter	915mm
Distance to wall	25mm
Pitch control	Hydraulic
Hand Arm Vibrations	4 m/s ²
Sound power / pressure level	92dB(A)/82dB(A)
Dimensions (LxWxH)	1790 x 915 x 790mm
Weight (without pans)	85kg

ACCESSORIES MTA36

1



2



3



4



5



6



DIMENSIONS
L x L (mm)

FIXING THREAD

SPACING

ITEM No.

EAN 13 CODE

1 - Floating plate / pan	Ø900mm	Mechanical stop	-	3104 03130	5450248 512523
2 - Floating blades (set of 4)	330 x 280mm	Clamp	-	3100 04585	5450248 093695
3 - Finishing blades (set of 4)	330 x 150mm	M8	127	3100 04549	5450248 089032
4 - Combination blades (set of 4)	330 x 200mm	M8	127	3100 04541	5450248 088745
5 - Finishing blades with moving nut (set of 4)	330 x 150mm	M8	82-160	3100 04564	5450248 090472
6 - Combination blades with moving nut (set of 4)	330 x 200mm	M8	82-160	3100 04565	5450248 090489

CT1201

FEATURES

- Heavy duty jig welded steel frame.
- Dead man handle.
- Blades safety guard rings.
- Mechanical blades pitch control.

BENEFITS

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



PRODUCT DATA

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



9HP



6,6kW



PETROL

PRODUCT FEATURES



DEAD MAN HANDLE



REMOVABLE LIFTING EYE



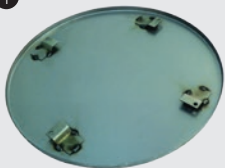
HANDLING OF THE MACHINE



ADJUSTABLE & FOLDABLE MACHINE ARM

ACCESSORIES CT1201

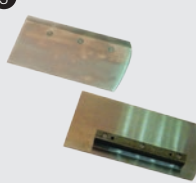
1



2



3



4



5



	DIMENSIONS L x L (mm)	FIXING THREAD	SPACING	ITEM No.	EAN 13 CODE
1 - Floating plate / pan	Ø1200	Mechanical stop	-	3103 69499	5450248 440406
2 - Floating blades (set of 4)	460 x 255	Clamp	-	3103 69497	5450248 440376
3 - Finishing blades (set of 4)	455 x 152	M8	158	3103 69485	5450248 440246
4 - Combination blades (set of 4)	450 x 200	M8	158	3103 69496	5450248 440369
5 - Feet skates (set of 2)	-	-	-	3100 04551	5450248 089063

NORTON

SAINT-GOBAIN

clipper[®]

WALL CHASERS,
GRINDING MACHINES
& DUST EXTRACTION



SC181

Ideal for electricians and plumbers, the SC181 is a powerful and smart wall chaser.

Fitted with two diamond wheels driven by a 1,8 kW motor, 5 to 45mm wide slots can be drawn in one operation, at cutting depth from 30 to 60mm. Delivered in a strong metal box, the machine ergonomics were at the heart of the design to lower vibrations and ease the operation.

SC181 can be used with a dust extractor (CV324 or CV360)



PRODUCT DATA

Item No.	701846 46041	Supply Voltage	230V 1~
EAN 13 Code	5450248 537847	Power	1,8kW
		Fuse / Generator	16A / 3kVA
		Blade x bore	Ø 180 x 30mm
		Cutting width	5 to 45 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



1,8kW



230V

DIAMOND BLADES FOR SC181



Substrate / Material	UNIVERSAL
Recommended Product	PRO UNI LASER
Blade x Bore	180 x 30mm
Item No.	701846 25564
Page reference	34

SC401

SC401 is a 400mm electric portable cutter, with high flexibility thanks to its 3,0kW powerful motor and deep cutting depth.

It is suitable for a large variety of materials including bricks, masonry blocks, pavements, slabs, porous concrete, concrete, and natural or artificial stones, etc...

SC401 features a water connection for wet cutting



PRODUCT DATA

Item No.	701846 30120	Supply Voltage	230V 1~
EAN 13 Code	5450248 412106	Power	3kW
		Blade x bore	Ø 400 x 25,4mm
		Max. cutting depth	158mm
		Tool speed RPM	2500 min ⁻¹
		Weight	11kg



3kW



230V

DIAMOND BLADES FOR SC401



Substrate / Material	BETON
Recommended Product	EXTREME BETON
Blade x Bore	400 x 25,4mm
Item No.	701846 93354
Page reference	24



CG125

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.

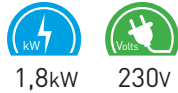


PRODUCT DATA

Item No.	701846 28733	Supply voltage	230V 1~
EAN 13 Code	5450248 396475	Power	1,8kW
		Disc diameter	125mm
		Tool speed (under load)	10 000 min ⁻¹
		Tool connection	22,23mm
		Vacuum hose connector	36mm
		Hand Arm Vibrations	< 2,5 m/s ²
		Weight	5,9kg



HOSE CONNECTOR FOR VACUUM CLEANER



CUP GRINDERS FOR CG125

Substrate / Material	UNIVERSAL
Recommended Product	EXTREME CG COMFORT
Blade x Bore	125 x 22,23mm
Item No.	701846 02648
Page reference	40



CG180

Single-head hand held machines with a grinding width of 125mm or 180mm for small surfaces.

APPLICATIONS :

- Grinding, smoothing and preparing surfaces
- Removing of screed seams, residual mud, plaster and coatings
- Concrete, tile adhesive, natural stone, plaster, paint, coatings and adhesive

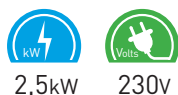


PRODUCT DATA

Item No.	701846 01171	Supply voltage	230V 1~
EAN 13 Code	5450248 702696	Power	2,5kW
		Disc diameter	180mm
		Tool speed (under load)	9500 min ⁻¹
		Tool connection	22,23mm
		Vacuum hose connector	36mm
		Hand Arm Vibrations	< 2,5 m/s ²
		Weight	8,4 kg



HOSE CONNECTOR FOR VACUUM CLEANER



CUP GRINDERS FOR CG180

Substrate / Material	UNIVERSAL
Recommended Product	EXTREME CG COMFORT
Blade x Bore	180 x 22,23mm
Item No.	701846 02648
Page reference	40

CG252

The CG252 is a light-weight and compact 250mm single-head grinding machine for grinding and levelling of small to medium size floor preparation, and removal of coating or adhesives.

The grinding head can be oriented at 90° and the front of the safety guard can be opened to grind edges of walls. With a weight of only 60kg, it is easier to operate during grinding operations, and less tiring for the operator. The foldable arm make it easy to transport.

CG252 can be combined with a dust extractor (CV324 or CV360) or used for wet grinding thanks to a water connection.



PRODUCT DATA

Item No.	701846 94290	Power / Supply Voltage	2,2kW (3Hp) / 230V 1-	Vacuum connector	45mm
EAN 13 Code	5450248 596608	Fuse / Generator	16A / 6 kVA	Hand Arm Vibrations	< 2,5 m/s ²
		Working width	250mm	Dimensions (LxWxH)	1180 x 520 x 1150mm
		Tool speed RPM	1410 min ⁻¹	Weight	60kg



3HP



2,2kW



230V

FEATURES

- 250mm working width.
- Orientable grinding head.
- Level setting on the back.
- Light and compact.
- Low vibrations.

PRODUCT FEATURES



THE GRINDING HEAD CAN BE ORIENTED AT 90° & THE FRONT OF THE GUARD REMOVED.

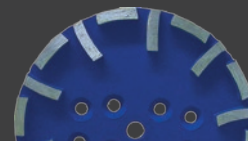
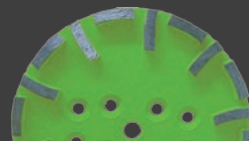
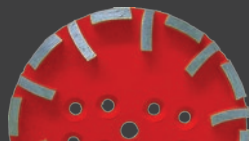


FOLDABLE ARM FOR TRANSPORT

BENEFITS

- Designed for small to medium size floors.
- Able to grind the edges of walls.
- Quick and easy setting of the machine.
- Easy to transport and carry upstairs.
- Easy and comfortable usage.

GRINDING HEAD RECOMMENDATIONS



Grinding Head Colour	RED	GREEN	BLUE
Substrate / Material	BETON	BETON	BETON
Diameter	250mm	250mm	250mm
Floor Type	HARD	MEDIUM	SOFT
Item No.	701846 27118	701846 27117	701846 27116
Page reference	163	163	163

STEP 1 - CLEANING/SCARIFYING

WITH TUNGSTEN CARBIDE MULTI-FLAILE GRINDER HEAD

GRINDER HEAD WITH 5 TUNGSTEN CARBIDE DRUMS

- 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.

DESCRIPTION	NAME	FLAILES O/D/W (mm)	ITEM No.	EAN 13 Code
Multiple flailles rotary disc	GRM252 S Metal (large)	5x 50/5,1	701846 27120	5450248 373193
Refill Kit for GRM252 S	Refill kit - large flailles	5x 50/5,1	701846 43686	5450248 512998
Refill Kit for former version	Refill kit - small flailles	6x 30/5,5	701846 27207	5450248 381877



STEP 2 - GRINDING

WITH DIAMOND PLATES

THE GRD252 S GRINDING PLATES

- The GRD252 S grinding plates are designed for 250mm grinding machines.
- Compatible machines 12 segments fitted on a 4-hole 250mm plate.

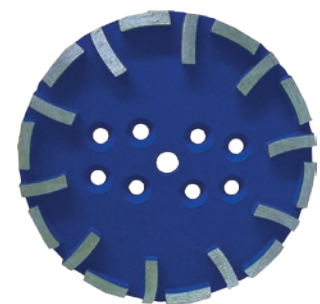
DESCRIPTION	NAME	SEGMENTS QTY X W / H / L (mm)	ITEM No.	EAN 13 Code
Hard bond segments for soft floors	GRD252 S SOFT Blue	12x 10/10/40	701846 29625	5450248 404804
Medium bond segments for universal floors	GRD252 S MEDIUM Green	12x 10/10/40	701846 27119	5450248 372684
Soft bond segments for hard floors	GRD252 S HARD Red	12x 10/10/40	701846 29626	5450248 404811



THE GDR252 GRINDING PLATES

- The GDR252 grinding plates are designed for heavy, in-depth grinding.
- 20 segments fitted on a 8-hole 250mm plate.

DESCRIPTION	NAME	SEGMENTS QTY X W / H / L (mm)	ITEM No.	EAN 13 Code
Hard bond segments for soft floors	GRD252 SOFT Blue	25x 10/10/40	701846 27116	5450248 372646
Medium bond segments for universal floors	GRD252 MEDIUM Green	25x 10/10/40	701846 27117	5450248 372653
Soft bond segments for hard floors	GRD252 HARD Red	25x 10/10/40	701846 27118	5450248 372677



GRINDER SEGMENTS

- Medium bond for medium-hard floors.
- Available in grit sizes from 18 to 150 for different quality finishes.

DESCRIPTION	GRIT SIZE	NAME	SET	SEGMENTS QTY X H / T / L (mm)	ITEM No.	EAN 13 Code
Grinding of coatings and thin layers	18/20	FGW Universal silver	4pcs	1x 10/10/65	701846 01132	5450248 534334
Creating adherence and grinding of top floors	30/40	FGW Universal grey	4pcs	1x 10/10/65	701846 01133	5450248 534266
Creating adherence for water-based paints and grinding of top floors	60/80	FGW Universal brown	4pcs	1x 10/10/65	701846 01134	5450248 534273



DUST EXTRACTORS

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 all dry and wet drilling applications.
- **CV360** are industrial dust extractors best suited for use with Norton Clipper floor grinding machines and CS451 ET floor saw.



CV402

CV402

Item No. 003104 36601

EAN 13 Code 5450248 559191



Application	Drilling
Supply Voltage	230V 1~
Power	2,0kW (2 motors)
Fuse / Generator	16A / 8kVA
Filter	3µ
Cleaning	Paper bag
Airflow	380 m³/h
Vacuum suction	200 mbar
Tank material	PP
Tank capacity	60 L
Noise level	78 db(A)
Dimensions (LxWxH)	600 x 540 x 950mm
Weight	21kg
Filtration Class	L
Filter bags	Paper (5pcs) - 3103 87496 Cotton (5pcs) - 3103 87497

PRODUCT FEATURES



REMOVABLE FILTER



PAPER FILTER BAG (CV402)

DUST EXTRACTORS



CV360

CV360

Item No. 003104 85878

EAN 13 Code 5450248 709503



2,3kW



230v



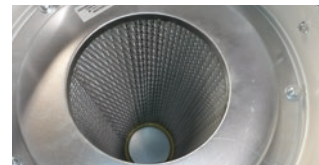
DRY

Application	Floor grinding
Supply Voltage	230V 1~
Power	2,3kW (2 motors)
Fuse / Generator	16A / 8kVA
Filter	1 μ
Cleaning	Manual with shaker
Airflow	360 m ³ /h
Vacuum suction	250 mbar
Tank material	Steel
Tank capacity	20 L
Noise level	74 db(A)
Dimensions (LxWxH)	500 x 560 x 1000mm
Weight	31kg
Filtration Class	M

PRODUCT FEATURES



TWO BY-PASS MOTORS OPERATED BY INDEPENDENT SWITCHES



HIGH SURFACE CONICAL FILTER CARTRIDGE

CUTTING-OFF & GRINDING WHEELS

The Norton Clipper range of cutting-off and grinding wheels for portable and fixed machines provides superior performance on many building and construction materials.

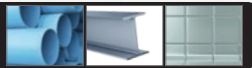




CUTTING-OFF & GRINDING WHEELS FOR CORDLESS & CONVENTIONAL RIGHT ANGLE GRINDERS



MULTI-PURPOSE



TYPE 27



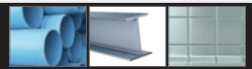
Cut, grind and polish ALL materials with one single product. No wheel changes are needed when working with different applications and materials. Wheels dedicated for cordless machines have been developed to give minimal resistance when in use. The free cutting action absorbs less energy from the battery.



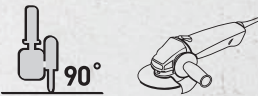
TYPE	DIA Ø (mm)	TxB (mm)	SPECIFICATION	PK QTY	ITEM No.	EAN 13 Code
27	115	2,2x22,23	C46P-BF27	25	662533 71533	5900442 855174
	125	2,2x22,23	C46P-BF27	25	662533 71534	5900442 855181



MULTI-PURPOSE



TYPE 41



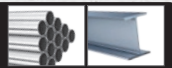
The Multi-Purpose cutting-off wheel produces less dust, less noise and a precise, straight cut on all materials including metal-inox, stone, aluminium, PVC, ceramics and tiles. One product for all installation jobs.



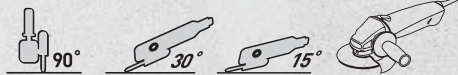
TYPE	DIA Ø (mm)	TxB (mm)	SPECIFICATION	PK QTY	ITEM No.	EAN 13 Code
	115	1,0x22,23	C60T-BF41	25	662533 71455	5900442 853521
		1,6x22,23	C46T-BF41	25	662533 71456	5900442 853545
41	125	1,0x22,23	C60T-BF41	25	662533 71501	5900442 854528
		1,6x22,23	C46T-BF41	25	662533 71502	5900442 854542
	180	1,6x22,23	C46T-BF41	25	662533 71503	5900442 854559
	230	1,9x22,23	C46T-BF41	25	662533 71504	5900442 854566



123 - METAL-INOX



TYPE 27



Cutting, light grinding & polishing with one single product. No wheel changes are needed when working with different applications. Gives an excellent & uniform finish for metal-inox applications.

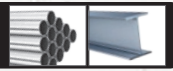


TYPE	DIA Ø (mm)	TxB (mm)	SPECIFICATION	PK QTY	ITEM No.	EAN 13 Code
27	115	2,2x22,23	A46S-BF27	25	662533 71523	5900442 854795
	125	2,2x22,23	A46S-BF27	25	662533 71524	5900442 854801

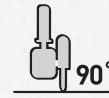




METAL-INOX



TYPE 41



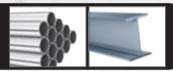
Straight cutting-off wheel providing longer life, durability and high material removal for metal and metal-inox applications. Free from iron, sulphur and chloride, eliminating contamination when cutting. Ideal for cutting sheet metal and studs.



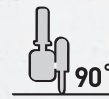
TYPE	DIA Ø (mm)	TxB (mm)	SPECIFICATION	PK QTY	ITEM No.	EAN 13 Code
41	115	1,0x22,23	A60S-BF41	25	662533 71505	5900442 854610
		1,6x22,23	A46S-BF41	25	662533 71506	5900442 854627
		2,5x22,23	A30S-BF41	25	662533 71507	5900442 854634
	125	1,0x22,23	A60S-BF41	25	662533 71508	5900442 854641
		1,6x22,23	A46S-BF41	25	662533 71509	5900442 854658
		2,5x22,23	A30S-BF41	25	662533 71510	5900442 854665
180	1,6x22,23	A46S-BF41	25	662533 71511	5900442 854672	
	2,5x22,23	A30S-BF41	25	662533 71512	5900442 854689	
230	1,9x22,23	A46S-BF41	25	662533 71513	5900442 854696	
	2,5x22,23	A30S-BF41	25	662533 71514	5900442 854702	



METAL-INOX



TYPE 42



This depressed centre cutting-off wheel provides longer life and high material removal for steel and stainless steel applications. The steel-inox wheel is free from iron, sulphur and chloride, eliminating contamination when cutting.



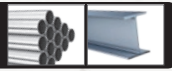
TYPE	DIA Ø (mm)	TxB (mm)	SPECIFICATION	PK QTY	ITEM No.	EAN 13 Code
42	115	3,2x22,23	A30S-BF42	25	662533 71515	5900442 854719
	125	3,2x22,23	A30S-BF42	25	662533 71516	5900442 854726
	180	3,2x22,23	A30S-BF42	25	662533 71517	5900442 854733
	230	3,2x22,24	A30S-BF42	25	662533 71518	5900442 854740



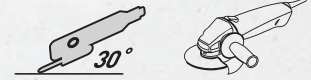


CUTTING-OFF & GRINDING WHEELS FOR CORDLESS & CONVENTIONAL RIGHT ANGLE GRINDERS

METAL-INOX



TYPE 27



These depressed centre grinding wheels provide longer life and high material removal for metal and metal-inox applications. Free from iron, sulphur and chloride, eliminating contamination when grinding.



TYPE	DIA Ø (mm)	TxB (mm)	SPECIFICATION	PK QTY	ITEM No.	EAN 13 Code
27	115	6,4x22,23	A 30 P-BF27	10	662533 71519	5900442 854757
	125	6,4x22,23	A 30 P-BF27	10	662533 71520	5900442 854764
	180	6,4x22,23	A 30 P-BF27	10	662533 71521	5900442 854771
	230	6,4x22,23	A 30 P-BF27	10	662533 71522	5900442 854788



STONE



TYPE 41



Straight cutting-off wheels for angle grinders. With silicon carbide grains, the stone cutting wheel produces less dust, noise and material loss as well as a precise cut.

TYPE	DIA Ø (mm)	TxB (mm)	SPECIFICATION	PK QTY	ITEM No.	EAN 13 Code
41	115	2,5x22,2	C 30 R-BF41	25	662528 39627*	59004428 98614
	125	2,5x22,2	C 30 R-BF41	25	662528 39628*	59004428 98621
	180	2,5x22,2	C 30 R-BF41	25	662528 39629*	59004428 98638
	230	2,5x22,2	C 30 R-BF41	25	662528 39630*	59004428 98645

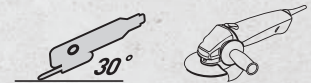
* Available on request



STONE



TYPE 27



Depressed centre grinding wheels for angle grinders with silicon carbide grains, the stone grinding wheels provide longer life and high material removal.

TYPE	DIA Ø (mm)	TxB (mm)	SPECIFICATION	PK QTY	ITEM No.	EAN 13 Code
27	115	6,0x22,23	C 30 R-BF27	10	662528 39631*	59004428 98652
	125	6,0x22,2	C 30 R-BF27	10	662528 39632*	59004428 98669
	180	6,0x22,23	C 30 R-BF27	10	662528 39633*	59004428 98676
	230	6,0x22,23	C 30 R-BF27	10	662528 39634*	59004428 98683

* Available on request





METAL



TYPE 41



Extra reinforced demolition blades for petrol saw cutting machines.

TYPE	DIA Ø (mm)	TxB (mm)	SPECIFICATION	M/S	PK QTY	ITEM No.	EAN 13 Code
300		3,5x20,0	A 24 R-BF41	80	10	662533 71525	5900442 854818
		3,5x25,4	A 24 R-BF41	80	10	662533 71526	5900442 854825
41	350	4,0x20,0	A 24 R-BF41	80	10	662533 71527	5900442 854832
		4,0x25,4	A 24 R-BF41	80	10	662533 71528	5900442 854849
	400	4,0x20,0	A 24 R-BF41	80	10	662533 71529	5900442 854856



STONE



TYPE 41



Straight cutting-off wheels for petrol saws. Sharp silicon carbide abrasive optimizes cutting on stone and brick. This wheel provides longer life, quick and straight cutting.

TYPE	DIA Ø (mm)	TxB (mm)	SPECIFICATION	M/S	PK QTY	ITEM No.	EAN 13 Code
300		3,5x20,0	C 24 R-BF41	80	10	662528 32263	5900442 881159
		3,5x25,4	C 24 R-BF41	80	10	662528 32264	5900442 881166
41	350	4,0x20,0	C 24 R-BF41	100	10	662528 32265	5900442 881173
		4,0x25,4	C 24 R-BF41	100	10	662528 32266	5900442 881180
	400	4,0x20,0	C 24 R-BF41	100	10	662528 32267	5900442 881197



METAL



TYPE 41



For light, low horsepower portable machines. Designed with finer grit and soft grade for cutting denser materials like metal bars, tubes & pipes with reinforcements.

TYPE	DIA Ø (mm)	TxB (mm)	SPECIFICATION	M/S	PK QTY	ITEM No.	EAN 13 Code
41	350	3,0x25,4	A 36 P-BF41	80	10	662533 71530	5900442 854863



COATED ABRASIVES FOR HAND & MACHINE SANDING

The Norton Clipper range of abrasives for hand, machine and floor sanding has been engineered with cutting edge abrasive technology to provide professional, high performance to meet the needs of even the most demanding sanding job.





COATED ABRASIVES FOR DRYWALL SANDERS

ANTI-CLOGGING SCREENBAK SANDING DISCS



Self-gripping abrasive discs for sanding and finishing, on a drywall sander. With an anti-clogging open mesh structure for excellent performance and long life. Also available in bulk quantity in boxes of 25 discs.

DIA Ø (mm)	GRIT	PACK QUANTITY	BOX QUANTITY	ITEM No.	EAN 13 Code
180 	60	5	5	662611 21574	5900442 859448
	80	5	5	662611 21628	5900442 859417
	120	5	5	662611 21629	5900442 859424
	220	5	5	662611 21630	5900442 859431
225 	60	5	5	662611 19850	5900442 856188
	80	5	5	662611 19851	5900442 856195
	100	5	5	662611 19852	5900442 856225
	120	5	5	662611 19848	5900442 855624
225 BULK PACK 	150	5	5	662611 19871	5900442 856232
	220	5	5	662611 19873	5900442 856249
	60	25	1	666233 32303	3157629 377042
	80	25	1	666233 32310	3157629 377059
	100	25	1	666233 32311	3157629 377066
	120	25	1	666233 32313	3157629 377073
	150	25	1	666233 32318	3157629 377097
	220	25	1	666233 32322	3157629 377102



ANTI-CLOGGING PAPER DISCS



Paper backed self-gripping abrasive discs with a stearate layer to prevent clogging for longer disc life when sanding plaster and filler.

DIA Ø (mm)	GRIT	PACK QUANTITY	BOX QUANTITY	ITEM No.	EAN 13 Code
225 	120	5	5	662611 44774	5900442 875714
	180	5	5	662611 44775	5900442 875721



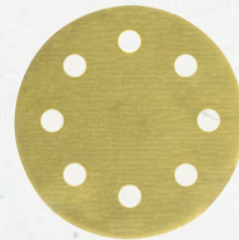


PAPER DISCS



6, 8 and 9 hole sanding discs with self-grip backing for quick and easy disc changing. These sanding discs are ideal for achieving perfect results on all surface types including wood, paint and metal. The 8 hole discs are also available in a bulk quantity of 50 discs.

DIA Ø (mm)	GRIT	PACK QUANTITY	BOX QUANTITY	ITEM No.	EAN 13 Code
125 8 Holes 	40	10	5	662611 18234	3157629 667644
	80	10	5	662611 18236	3157629 667651
	120	10	5	662611 18237	3157629 667675
	180	10	5	662611 18238	3157629 667682
150 6 Holes 	40	10	5	662611 21643	5900442 859585
	80	10	5	662611 21649	5900442 859615
	120	10	5	662611 21647	5900442 859592
150 9 Holes 	40	10	5	662611 21650*	5900442 859622
	80	10	5	662611 21651*	5900442 859639
	120	10	5	662611 21652*	5900442 859646
125 8 Holes BULK PACK 	40	-	50	666233 79803	3157629 498828
	80	-	50	666233 79807	3157629 498842
	120	-	50	666233 79808	3157629 498859
	180	-	50	666233 79812	3157629 498866



*Made to order



FSC® CERTIFICATION

Utilizing responsibly sourced material and preserving natural resources is a high priority, look out for the FSC® logo next to products manufactured using FSC® certified paper.





COATED ABRASIVES FOR ANGLE GRINDERS

FIBRE DISCS



High performance, aggressive metal removal. Use with a back up pad.

DIA Ø (mm)	GRIT	PACK QUANTITY	BOX QUANTITY	ITEM No.	EAN 13 Code
115 	36	5	5	662611 21545	3157629 691182
	50	5	5	662611 21548	3157629 691199
	80	5	5	662611 21549	3157629 691205
125 	36	5	5	662611 18320	3157629 668870
	50	5	5	662611 18432	3157629 667408
	80	5	5	662611 18436	3157629 667415



SEMI FLEXIBLE DISCS



Sharp silicon carbide abrasive for use on marble, granite, concrete, fibreglass & cast iron. Use with a back up pad.


DIA Ø (mm)	GRIT	PACK QUANTITY	BOX QUANTITY	ITEM No.	EAN 13 Code
125x22 	16	1	25	662610 83476	3157629 062937
	24	1	25	76607 19292	3157625 442856
	36	1	25	76607 19293	3157625 442863
	60	1	25	76607 19294	3157625 442887
	80	1	25	76607 19295	3157625 442894
180x22 	16	1	25	662610 83479	3157629 062968
	24	1	25	76607 19296	3157625 442900
	36	1	25	76607 19297	3157625 442917
	60	1	25	76607 19298	3157625 442924
	80	1	25	76607 19299	3157625 442948



BACK UP PAD



For use with fibre discs and semi flexible discs.

DIA Ø (mm)	ATTACHMENT	PACK QUANTITY	BOX QUANTITY	ITEM No.	EAN 13 Code	
	115x22	M14	1	5	662611 21553	3157629 692820
	125x22	M14	1	5	662611 18437	3157629 668924
	180x22	M14	1	5	662611 21556	3157629 692837








FLAP DISCS



High performance zirconia grain for fast material removal and excellent finish on wood, paint and metal. Available in a range of sizes.


DIM (mm)	GRIT	BOX QUANTITY	ITEM No.	EAN 13 Code
100x16 	40	10	662611 18443	3157629 669471
	60	10	662611 18464	3157629 669488
	80	10	662611 18465	3157629 669495
115x22 	40	10	662611 18466	3157629 669501
	60	10	662611 18468	3157629 669518
	80	10	662611 18469	3157629 672723
125x22 	40	10	662611 18471	3157629 672730
	60	10	662611 18472	3157629 672747
	80	10	662611 18473	3157629 672754



NON-WOVEN DISCS FOR WOOD



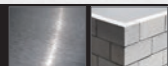
Non-woven discs for wood are made of nylon fibres impregnated with aluminium oxide abrasive grains, for stripping paint and varnish from hard wood surfaces, it leaves the surface clean and immediately ready to paint. Ideal for use on curved and hard to reach areas, these non-woven discs are available in 115mm and 125mm.

	DIM (mm)	GRIT	BOX QUANTITY	ITEM No.	EAN 13 Code
	115	Medium	10	662611 18476*	3157629 668955
	125	Medium	10	662611 18479	3157629 668979


*Made to order



NON-WOVEN DISCS FOR METAL & STONE

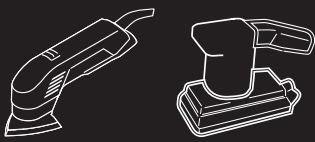


Non-woven discs for metal are made of nylon fibres impregnated with silicon carbide abrasive grain, for use in stripping rust from metal and cleaning stone, it leaves the surface clean and immediately ready to paint. Available in 115mm and 125mm.

	DIM (mm)	GRIT	BOX QUANTITY	ITEM No.	EAN 13 Code
	115	Coarse	10	662611 18475*	3157629 668948
	125	Coarse	10	662611 18477	3157629 668962
	180	Coarse	5	662611 18480	3157629 668986

*Made to order







COATED ABRASIVES FOR DELTA AND ORBITAL SANDERS

CUT SHEETS



For use on orbital sanders, for applications from stripping to finishing on wood, paint and metal.
Available in two sizes, with and without holes.


DIM (mm)	GRIT	PACK QUANTITY	BOX QUANTITY	ITEM No.	EAN 13 Code
93x230 No holes 	40	5	5	662611 37988	5900442 870917
	80	5	5	662611 37990	5900442 870931
	120	5	5	662611 37991	5900442 870948
	180	5	5	662611 37992	5900442 870955
115x280 14 holes 	40	5	5	662611 31047	5900442 867511
	80	5	5	662611 31048	5900442 867528
	120	5	5	662611 31049	5900442 867535
	180	5	5	662611 31050	5900442 867542



DELTA SANDING SHEETS



Triangular self-gripping sheets for sanding hard to reach areas. Abrasive can be changed quickly and easily when stripping, sanding or finishing wood, paint or metal surfaces.

DIM (mm)	GRIT	PACK QUANTITY	BOX QUANTITY	ITEM No.	EAN 13 Code
93x93x93 	40	5	5	662611 31051	5900442 867559
	80	5	5	662611 31052	5900442 867566
	120	5	5	662611 31053	5900442 867573
	180	5	5	662611 31055*	5900442 867580

*Made to order



FSC® CERTIFICATION

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SANDING BELTS



A wide variety of belt dimensions are available from 13x454mm to 100x610mm, there's a belt for every application. High performance abrasive ensures a fast cutting action & high material removal. The belts are reversible so can be used both ways on the machine.

ZIRCONIA BELTS

Zirconia abrasive for high performance in tough applications where heavy material removal is required.

DIA Ø (mm)	GRIT	PACK QUANTITY	BOX QUANTITY	ITEM No.	EAN 13 Code
13x454 	36	4	5	662611 21773	5900442 859233
	50	4	5	662611 21774	5900442 859240
	80	4	5	662611 21775	5900442 859257
	120	4	5	662611 21776	5900442 859264
75x457 	36	4	5	662611 21634	5900442 859486
	50	4	5	662611 21635	5900442 859493
	80	4	5	662611 21636	5900442 859509
75x533 	120	4	5	662611 21637	5900442 859516
	36	4	5	662611 18230	3157629 667583
	50	4	5	662611 18231	3157629 667590
	80	4	5	662611 18232	3157629 667620
100x610 	120	4	5	662611 18233	3157629 667637
	36	4	5	662611 21639	5900442 859523
	50	4	5	662611 21640	5900442 859530
	80	4	5	662611 21641	5900442 859547
	120	4	5	662611 21642	5900442 859554



ALUMINIUM OXIDE BELTS

Aluminium oxide grain for general purpose applications.

DIA Ø (mm)	GRIT	PACK QUANTITY	BOX QUANTITY	ITEM No.	EAN 13 Code
75x533 	36	4	5	662611 31031	5900442 867337
	50	4	5	662611 31034	5900442 867344
	80	4	5	662611 31035	5900442 867351
	120	4	5	662611 31038	5900442 867368
100x610 	36	4	5	662611 31039	5900442 867375
	50	4	5	662611 31044	5900442 867382
	80	4	5	662611 31045	5900442 867399
	120	4	5	662611 31046	5900442 867405





COATED ABRASIVES FOR HAND SANDING

GLASS PAPER SHEETS



A standard quality general purpose paper for sanding wood, paint & metal. Available only in a bulk pack of 75 sheets.

DIM (mm)	GRIT	PACK QUANTITY	BOX QUANTITY	ITEM No.	EAN 13 Code
230x280	ASSORTED 25x60 25x80 25x120	75	1	666233 79765	3157629 498248



MULTI-PURPOSE SHEETS

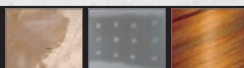


Provides good results on all surface types. With a light paper backing providing flexibility for comfortable sanding. Also available in bulk packs of 30 sheets.

DIM (mm)	GRIT	PACK QUANTITY	BOX QUANTITY	ITEM No.	EAN 13 Code
230x280	60	5	10	662611 18243	3157629 667934
	80	5	10	662611 18244	3157629 667941
	120	5	10	662611 18245	3157629 667958
	230x280 BULK PACK	60	25	10	666233 79770
	80	25	10	666233 79772	3157629 498262
	120	25	10	666233 79774	3157629 498279

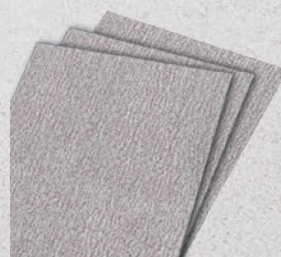


ANTI-CLOGGING SHEETS



The NO-FIL® coating reduces sanding dust build-up (clogging) on the abrasive for a longer product life and a perfect finish. Made with a light latex fibre reinforced paper backing it is very flexible, long lasting and comfortable to use and provides complete surface smoothing and finishing on plaster, filler and varnish. Also available in bulk packs of 30 sheets.

DIM (mm)	GRIT	PACK QUANTITY	BOX QUANTITY	ITEM No.	EAN 13 Code
230x280	80	5	10	662611 18239	3157629 667699
	120	5	10	662611 18240	3157629 667705
	180	5	10	662611 18241	3157629 667712
	240	5	10	662611 18242	3157629 667927
	230x280 BULK PACK	80	30	10	666233 79781
	100	30	10	666233 79776	3157629 498293
	120	30	10	666233 79777	3157629 498309
	150	30	10	666233 79778	3157629 498316
	180	30	10	666233 79779	3157629 498521





SUPER FLEXIBLE SHEETS




Made with a flexible and resistant cloth backing, ideal for sanding curved or contoured surfaces on bare, painted and varnished wood. Can be torn into strips for sanding hard to reach areas and curves.

DIM (mm)	GRIT	PACK QUANTITY	BOX QUANTITY	ITEM No.	EAN 13 Code
230x280 	40	5	10	662611 18246	3157629 667965
	80	5	10	662611 18247	3157629 667972
	120	5	10	662611 18248	3157629 667989
	180	5	10	662611 21659	5900442 859660



WATERPROOF SHEETS

Latex paper backing for wet and dry use, use wet for best results as the water helps to clean, lubricates and helps prevent clogging. Silicon carbide grain for high performance on metals.

DIM (mm)	GRIT	PACK QUANTITY	BOX QUANTITY	ITEM No.	EAN 13 Code
230x280 	240	5	10	662611 18256*	3157629 667996
	400	5	10	662611 18257*	3157629 668009
	600	5	10	662611 18258*	3157629 668016

*Made to order









COATED ABRASIVES FOR HAND SANDING

BEARTEX HAND PADS



Made from nylon fibre, impregnated with abrasive grain, giving a three dimensional abrasive that can be used on all sides. Ideal for a number of applications, from surface preparation to finishing and cleaning of wood, paint, metal, plastics, glass and tiles.

-  Heavy duty cleaning
-  Surface preparation
-  Final finishing
-  Cleaning


DIM (mm)	COLOUR / GRADE	ITEM No.	EAN 13 Code	PACK QUANTITY	BOX QUANTITY
150x115	 BROWN: MEDIUM	662611 38003	3157629 726228	5	10
	 MAROON: EXTRA FINE	662611 38005	3157629 726235	5	10
	 GREY: ULTRA FINE	662611 38006	3157629 726242	5	10
	 WHITE: NON-ABRASIVE	662611 38007	3157629 726259	5	10



SANDING BLOCK AND REFILLS



The ergonomic foam block is comfortable and easy to use. Ideal for use on small, flat, wooden, painted or metal surfaces. Available with and without refills. Refills can also be purchased separately.

DIM (mm)	GRIT	PACK QUANTITY	BOX QUANTITY	ITEM No.	EAN 13 Code
70x125x40					
	N/A	1	5	76607 05180	3157620 317005
70x125x40 KIT	1 x BLOCK 2 x 40 3 x 80 2 x 120 2 x 180	1 x BLOCK 9 X REFILLS	5	662611 31056	5900442 867597
70x125 REFILLS	80	12	5	662611 31057	5900442 867603
	120	12	5	662611 31058	5900442 867610
	180	12	5	662611 31059	5900442 867627



RUBBER SANDING BLOCK

Can be used with all types of sandpaper. Provides a comfortable grip for better sanding control and an even surface finish. Tear a suitable size of abrasive paper and wrap around block using grips to hold in place.


DIM (mm)	PACK QUANTITY	BOX QUANTITY	ITEM No.	EAN 13 Code
102x67x20	1	20	666233 82148	3157629 510665





PLASTER SANDING KIT & REFILLS


The complete sanding kit for plaster and filler. Screenbak abrasive reduces clogging and the ergonomic handle gives greater control and comfortable grip. Large, flat surface area of the block means fast results on large areas. Refills are available for sanding rough plaster and finishing and smoothing prior to painting.

DIM (mm)	GRIT	PACK QUANTITY	BOX QUANTITY	ITEM No.	EAN 13 Code
115 x 280 KIT	1 x BLOCK 2 x 120 2 x 220	1 x BLOCK 4 x REFILLS	5	662611 48287	5900442 877916
115 x 280 	120	2	10	662611 48276	5900442 877824
	220	2	10	662611 48284	5900442 877831



HANDY ROLLS


Designed for manual applications. The cloth backing provides high flexibility for de-burring, rust removal and finishing applications on curved surfaces such as pipes, banisters and spindles. Comes in a convenient dispenser which eliminates waste and provides easy storage.

DIM	GRIT	PACK QUANTITY	ITEM No.	EAN 13 Code
38mmx25m 	60	1	636425 31823	3157620 183129
	80	1	636425 31820	3157620 182870
	120	1	636425 31815	3157620 182542
	120	1	636425 31811	3157620 182214



SANDING ROLLS

Sanding rolls with aluminium oxide abrasive and strong heavy paper backing for high performance on wood, paint and metal surfaces. Use by hand or with any of the Norton Clipper sanding blocks for best results.

DIM	GRIT	PACK QUANTITY	BOX QUANTITY	ITEM No.	EAN 13 Code
115mmx50m 	60	-	1	666233 77588	3157629 496886
	80	-	1	666233 77589	3157629 496893
	120	-	1	666233 77587	3157629 496879





COATED ABRASIVES BELTS FOR FLOOR SANDING

RED HEAT - R955

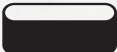
Floor sanding belt with SG ceramic abrasive and very strong polyester cloth backing for long life and tear resistance. Ideal for professional floor sanding of hard wood across large areas.

DIM (mm)	GRIT	PACK QUANTITY	ITEM No.	EAN 13 Code
200x750 	24	5	699573 45034	3157625 807969
	36	5	699573 45033	3157625 807952
	40	5	699573 45032	3157625 807945
	50	5	699573 45031	3157625 807938
	60	5	699573 45030	3157625 807921
	80	5	699573 45029	3157625 807914
	100	5	699573 45028	3157625 807907



NORZON - R817

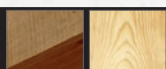
Floor sanding belt with 100% Norzon abrasive and heavy polyester cloth for long life even at high pressure. Very good performance on hard wood.

DIM (mm)	GRIT	PACK QUANTITY	ITEM No.	EAN 13 Code
200x750 	24	10	662611 82171	5900442 661911
	36	10	662611 82172	5900442 661928
	40	10	662611 82173	5900442 661935
	60	10	699573 71516	5900442 662017
	100	10	662611 82174	5900442 661942
	120	10	699573 71513	5900442 661997






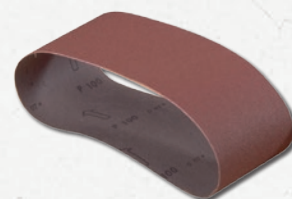


R230

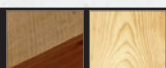


Floor sanding belt with aluminium oxide abrasive and strong cloth backing. Multi-purpose product ideal for sanding wooden floors.

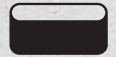
DIM (mm)	GRIT	PACK QUANTITY	ITEM No.	EAN 13 Code
200x480 	24	20	662544 45457	3157629 262733
	40	20	666233 05193	3157629 366615
	60	20	666233 05192	3157629 366608
	80	20	699573 53993	3157629 366592
	100	20	662544 45458	3157629 265833
	120	20	636425 57864	3157629 261682
200x551 	24	10	662544 45468	3157629 261187
	36	10	662544 45467	3157629 262702
	40	10	662544 45466	3157629 261163
	60	10	636425 88232	3157629 262627
	80	10	662544 45465	3157629 262115
	100	10	699573 72801	3157629 254226
200x750 	120	10	662544 45464	3157629 262719
	24	10	636425 21182	3157624 141040
	36	10	699573 49006	3157625 783249
	40	10	699573 49007	3157625 781757
	60	10	699573 49010	3157625 781733
	80	10	699573 49014	3157625 780613
	100	10	699573 49394	3157625 756632
	120	10	636425 58814	3157623 283925



R427



Floor sanding belt with silicon carbide abrasive and cotton cloth backing.

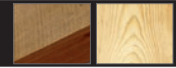
DIM (mm)	GRIT	PACK QUANTITY	ITEM No.	EAN 13 Code
200x480 	24	20	636425 08004	3157624 570420
	40	20	636425 13086	3157626 298834
	60	20	636425 13088	3157626 298841
	80	20	636425 13090	3157626 298858
	100	20	636425 13092	3157626 298865
	120	20	636425 13233	3157626 436380
200x750 	24	10	636425 52608	3157622 729493
	36	10	636425 52610	3157622 729509
	40	10	636425 52612	3157622 729516
	50	10	636425 52613	3157622 729523
	60	10	636425 52614	3157622 729530
	80	10	636425 52616	3157622 729547
	100	10	636425 52618	3157622 729561
	120	10	636425 52620	3157622 729578







COATED ABRASIVES DISCS FOR FLOOR SANDING

DOUBLE SIDED DISCS S413



Double sided disc with sharp silicon carbide abrasive and strong combination backing providing a very high cutting action for rough floor sanding applications.

DIM (mm)	GRIT	PACK QUANTITY	ITEM No.	EAN 13 Code
375x40 	16	10	662544 49459	3157629 253588
	24	10	662544 49460	3157629 253595
406x25 	16	10	636425 52885	3157622 932848
	24	10	662544 49468	3157629 253663

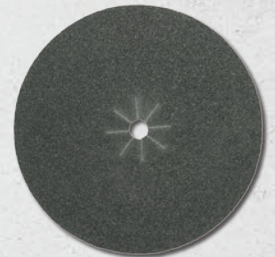


DOUBLE SIDED DISCS H425



Double sided disc with silicon carbide abrasive provides high cutting action for floor sanding applications.

DIM (mm)	GRIT	PACK QUANTITY	ITEM No.	EAN 13 Code
375x40 	40	10	662544 49462	3157629 253618
	60	10	662544 49463	3157629 253625
	80	10	662544 49464	3157629 253632
	100	10	662544 49465	3157629 253649
	120	10	662544 49466	3157629 253656
406x25 	40	10	662544 49479	3157629 253748
	60	10	662544 49471	3157629 253687
	80	10	662544 49472	3157629 253694
	100	10	662544 49473	3157629 253717
	120	10	662544 49474	3157629 253724



PLAIN DISCS BEARTEX (NON WOVEN)



BearTEX plain discs are ideal for cleaning, polishing and finishing wooden floors.

DIM (mm)	GRIT	PACK QUANTITY	ITEM No.	EAN 13 Code
150 	Very Fine	10	636425 57497	3157625 578838
	Ultra Fine	10	636425 57498	3157625 578845








PLAIN DISCS H425



Plain discs with silicon carbide abrasive ideal for use on stone surfaces and soft wood.
For dry applications only.

DIM (mm)	GRIT	PACK QUANTITY	ITEM No.	EAN 13 Code
140x22 	36	100	636425 46555	3157620 513629
	60	100	636425 46518	3157620 509387
	80	100	636425 46519	3157620 509493
	120	100	699573 60223	3157620 509608
	36	50	636425 46553	3157620 513513
150x12 	40	100	699573 60199	3157620 510345
	50	100	636425 46525	3157620 510468
	60	100	636425 46527	3157620 510567
	80	100	636425 46529	3157620 510673
	100	100	699573 60218	3157620 510789
180x22 	36	50	662611 76663	3157629 490815
	40	50	662611 76664	3157629 460689
	50	50	662611 76685	3157629 693032
	60	50	662611 76638	3157629 460672
	80	50	636425 48176	3157629 490204
	100	100	699573 76890	3157629 693094
	120	100	699573 77839	3157629 693100



PLAIN DISCS H231



Plain sanding discs with high performance aluminium oxide abrasive ideal for roughing, intermediate sanding & finishing of solid wood.

DIM (mm)	GRIT	PACK QUANTITY	ITEM No.	EAN 13 Code
180x22 	36	50	662544 45393	3157629 282793
	40	50	662544 45391	3157629 282786
	50	50	662544 45390	3157629 282779
	60	50	662611 76692	3157629 282885
	80	100	699573 78384	3157629 282915
	100	100	662544 45389	3157629 282762
200x22 	40	100	662544 45439	3157629 262795
	60	100	662544 45440	3157629 262788
	80	100	662544 45441	3157629 262771
	100	100	662544 45443	3157629 698563






COATED ABRASIVES DISCS FOR FLOOR SANDING

SCREENBAK DISCS Q421

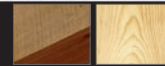


Waterproof screenbak discs with silicon carbide abrasive on an open mesh backing for extreme resistance to loading, for long life. Ideal for wood sanding applications.











DIM (mm)	GRIT	PACK QUANTITY	ITEM No.	EAN 13 Code
406 	60	10	662611 20519	3157620 314455
	80	10	636425 36521	3157620 314462
	100	10	662611 20517	3157620 314479
	120	10	662611 20516	3157620 314486
	150	10	636425 36524	3157620 314493
	180	10	636425 15105	3157627 611816
	220	10	636425 52254	3157622 465599



BEARTEX FLOOR PADS



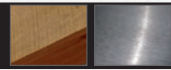
Beartex offers a wide range of floor pads from stripping right through to mirror gloss finishing. For general scrubbing and cleaning applications Beartex offers two pads that will remove surface dirt and grime to get the floor back in shape before recoating or buffing.

DIM (mm)	GRIT	PACK QUANTITY	ITEM No.	EAN 13 Code
406 Standard	 White Super Gloss	5	636425 85892	3157625 592858
	 Red Buffer	5	636425 85890	3157625 592841
	 Beige	5	636425 85873	3157625 592827
	 Black Super Strip	5	636425 85841	3157625 592698
	 Green Super Scrub	5	636425 85877	3157625 592834
	 Blue Super Clean	5	636425 85868	3157625 592803
406 Thin line	 Black	10	636425 85895	3157625 592865
	 Green	10	636425 85899	3157625 592872
	 Beige	10	636425 85903	3157625 592889
	 White	10	636425 85904	3157625 592896

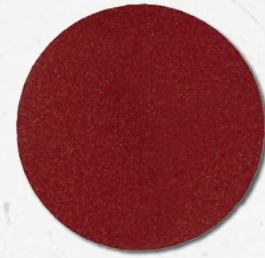










SELF-GRIP DISCS H231



High performance aluminium oxide abrasive disc ideal for roughing, intermediate sanding & finishing of solid wood.



DIM (mm)	GRIT	PACK QUANTITY	ITEM No.	EAN 13 Code
125 	36	100	662611 76734	3157625 652613
	60	100	636425 16174	3157621 290420
	80	100	636425 16175	3157621 290444
	120	100	636425 16176	3157621 290536
	180	100	636425 37389	3157625 749535
	240	100	699573 60184	3157625 809994
150 	320	100	636425 37390	3157625 809666
	36	50	636425 51458	3157625 809703
	40	100	636425 31875	3157620 657439
	50	100	699573 60119	3157620 657446
	60	100	636425 19158	3157620 653905
	80	100	636425 46787	3157620 653783
150 	100	100	636425 31872	3157620 653561
	120	100	636425 31871	3157620 653349
	150	100	699573 60170	3157620 657453
	180	100	636425 36755	3157620 657460
	240	100	636425 46797	3157620 657477
	40	100	662610 26066	3157625 891081
150 	60	100	699573 82764	3157625 620353
	80	100	662610 26069	3157625 891098
	100	100	662610 26070	3157625 891104
	120	100	662610 26071	3157625 891111
	150	100	662610 26072	3157625 891128
	180	100	699573 51530	3157625 770904
150 	240	100	699573 51531	3157625 770911
	40	100	636425 50341	3157620 650300
	60	100	636425 36740	3157620 650317
	80	100	636425 36741	3157620 650324
	100	100	636425 68763	3157625 658554
	120	100	636425 46779	3157620 650348
150 	150	100	636425 46781	3157620 650355
	180	100	636425 46834	3157620 664895






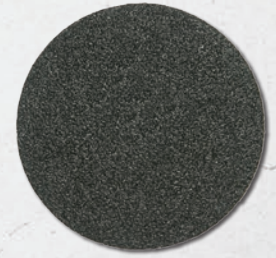
COATED ABRASIVES
SELF-GRIP DISCS FOR FLOOR SANDING

SELF-GRIP DISCS H425



Self grip backed discs with silicon carbide abrasive for high cutting action in wood and concrete sanding applications.

DIM (mm)	GRIT	PACK QUANTITY	ITEM No.	EAN 13 Code
406 	36	10	662544 73981	3157629 692967
	40	10	662544 61030	3157629 692929
	60	10	662544 99602	3157629 692974
	80	10	662544 61035	3157629 692936
	100	10	662544 61037	3157629 692943
	120	10	662544 64732	3157629 692950



BEARTEX SELF-GRIP DISCS



Flexible non-loading disc conforms to work surface and provides a uniform finish. Ideal for finishing solid surface materials.

DIM (mm)	GRIT	PACK QUANTITY	ITEM No.	EAN 13 Code
150 	Very Fine	10	699573 83151	3157625 622791
	Micro Fine	10	699573 83162	3157625 622821



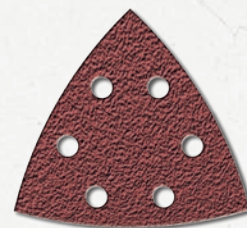


SELF-GRIP DELTA SHEETS H231

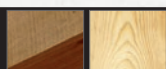


Delta self-grip sheets with high performance aluminium oxide abrasive ideal for roughing, intermediate sanding & finishing of solid wood.


DIM (mm)	GRIT	PACK QUANTITY	ITEM No.	EAN 13 Code
94x94x94 	40	50	699573 79396	3157629 702161
	60	50	699573 79398	3157629 702178
	80	50	699573 79399	3157629 702185
	120	50	699573 76701	3157629 702154

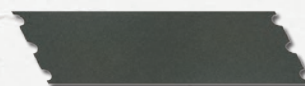


FLOOR SANDING SHEETS H421



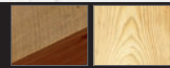
Heavy paper sheets with silicon carbide abrasive providing a high cut rate in floor sanding applications.

DIM (mm)	GRIT	PACK QUANTITY	ITEM No.	EAN 13 Code
205x475 	24	25	666233 19705	3157629 397503
	40	25	666233 19704	3157629 397497
	60	25	666233 19702	3157629 397473
	80	25	666233 19697	3157629 397466
	120	25	666233 19698	3157629 397459






PAPER ROLLS H425



Floor sanding roll with silicon carbide abrasive providing a high cut rate with good tear resistance.


DIM	GRIT	PACK QUANTITY	ITEM No.	EAN 13 Code
203mmx50m 	36	1	636425 57681	3157625 809734
	40	1	699573 61909	3157625 810006
	50	1	699573 52812	3157625 809987
	60	1	636425 27466	3157625 809642
	80	1	636425 57682	3157625 809741
	100	1	636425 57683	3157625 809758
	120	1	636425 52702	3157622 816704



CLOTH ROLLS R230



Floor sanding rolls with aluminium oxide abrasive and cotton cloth, a multipurpose product for metal & wood with a good cutting rate.

DIM	GRIT	PACK QUANTITY	ITEM No.	EAN 13 Code
203mmx50m 	40	1	699573 62528	3157625 639447
	60	1	636425 64505	3157623 633454
	80	1	636425 53315	3157623 196225
	120	1	636425 08863	3157624 768834

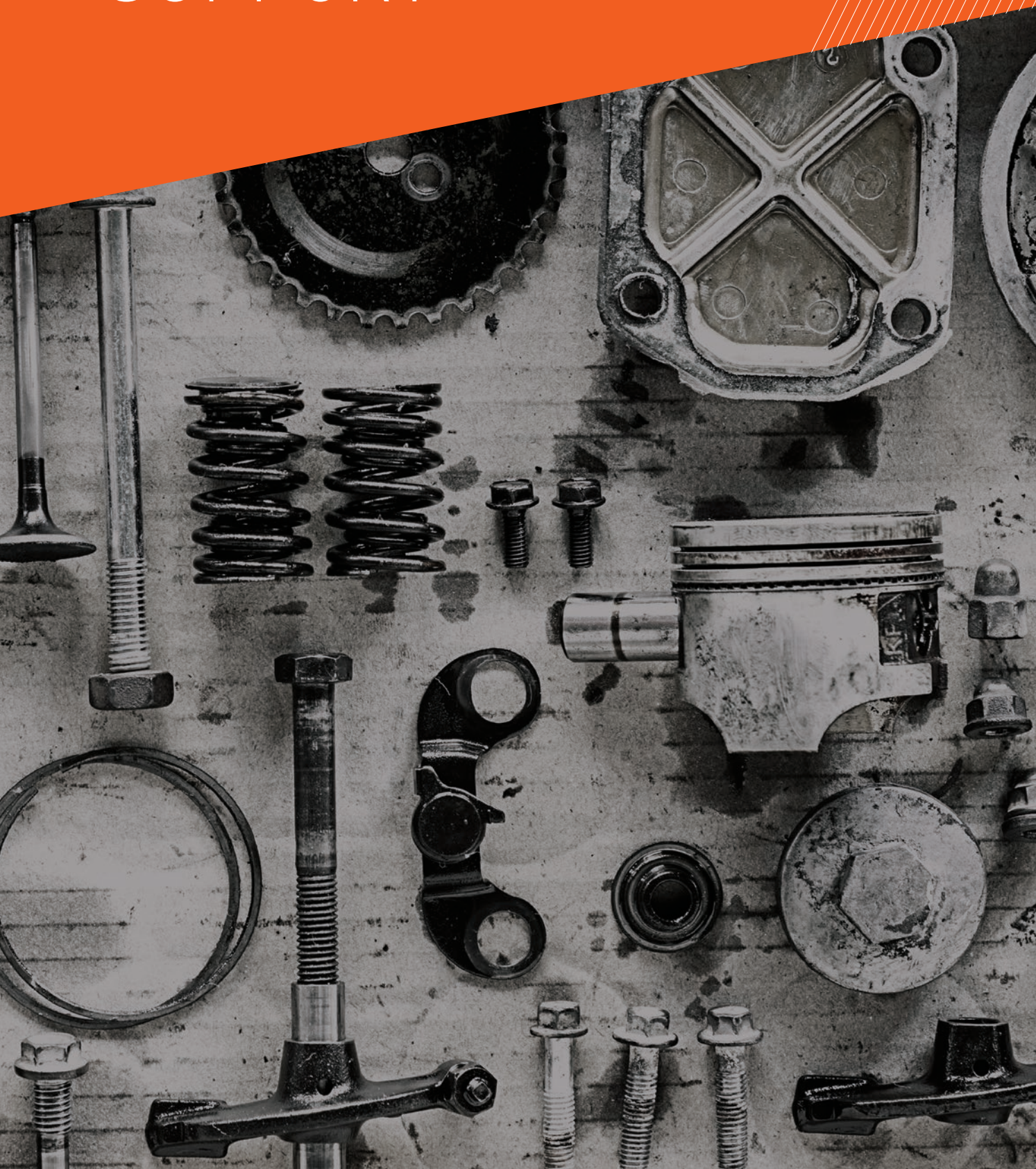


NORTON

SAINT-GOBAIN

clipper[®]

TECHNICAL SUPPORT



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.
<ol style="list-style-type: none"> 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 the 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.

TROUBLESHOOTING DIAMOND PRODUCTS

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 multi 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.
---	-----------------------------

TECHNICAL SUPPORT: PRODUCT ADVICE

TILE SAW ADVICE

NEVER FORCE 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 use.
- Clean the water pump and the water tray right after 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.

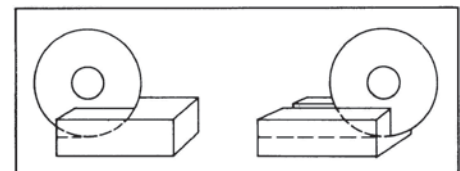
MASONRY SAW CUTTING METHODS

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.

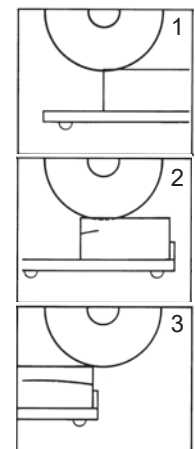
It works well with wet diamond blades cutting some soft materials. It is less efficient overall than the "Step Cutting" method for most materials, especially when using abrasive blades.



MULTIPLE STEP CUTTING

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

- Place the material to be cut on the conveyor cart firmly against the cutting guide and the backstop, keeping 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 stroke. 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.





Clipper's Tip

NOTE: The harder the material, the more rapid the forward and backward strokes should be. 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 SAW 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 the air-filter regularly 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 CUTTING 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 CUTTING METHODS

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

The initial cutting of the concrete is done within a 24 hour period at a depth of $\frac{1}{3}$ to $\frac{1}{4}$ 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.

DRILLING 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 & SAFETY PRECAUTIONS ENSURES SAFE, FASTER DRILLING SPEED AND LONGER BIT LIFE.



Clipper's Tip

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.

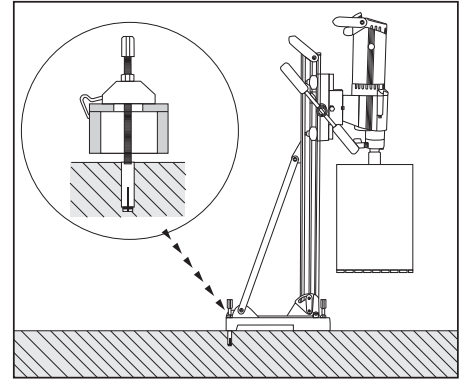
You can consult our product selection charts to choose the best tool for each of your requirements.

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.



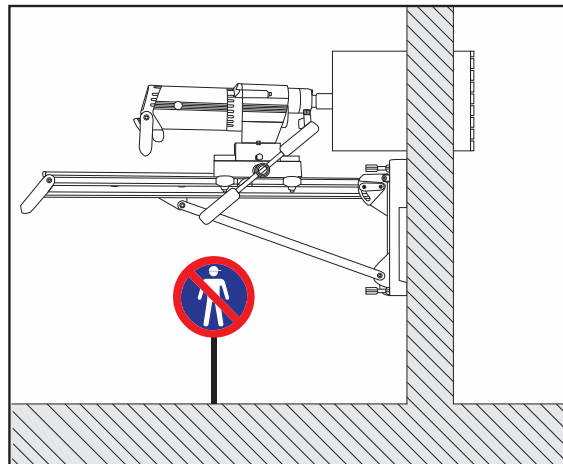
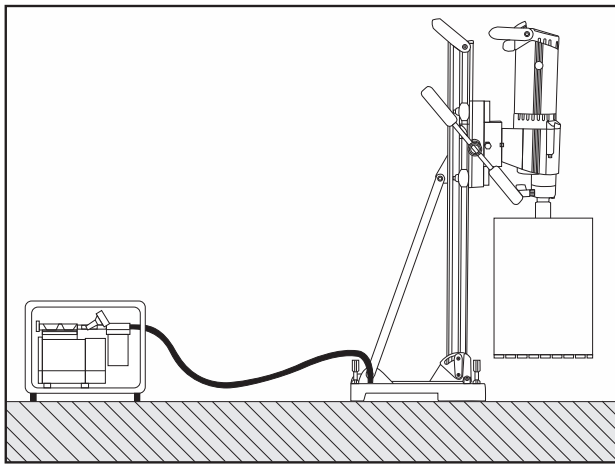
VACUUM FIXING



Clipper's Tip

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.



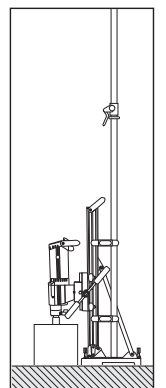
BRACE FIXING



Clipper's Tip

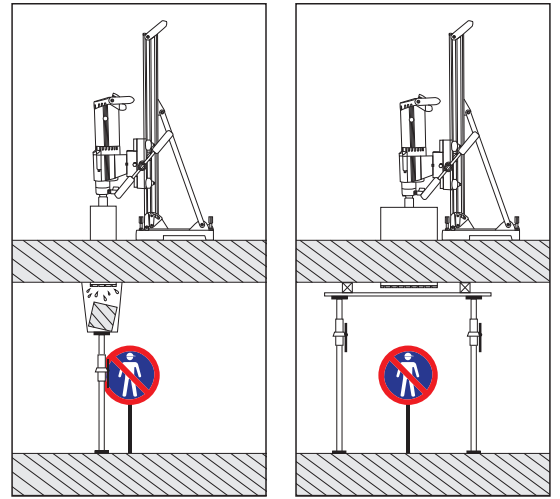
CAUTION: brace fixing requires a solid surface on both ends of the brace to ensure the best safety for the operators. Make sure the surface won't break or detach under the strength of the brace tightening.

- 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 core bit 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 slurrys.
- 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 core 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 onto the core bit whilst drilling. Do not force the core bit into the material.
- Do not stop the flow of water or the rotation of the core bit as long as the core bit is in the hole. If the drilling rate decreases noticeably, check the core bit. The slower penetration rate generally means that the core bit is dull and needs to be reconditioned.



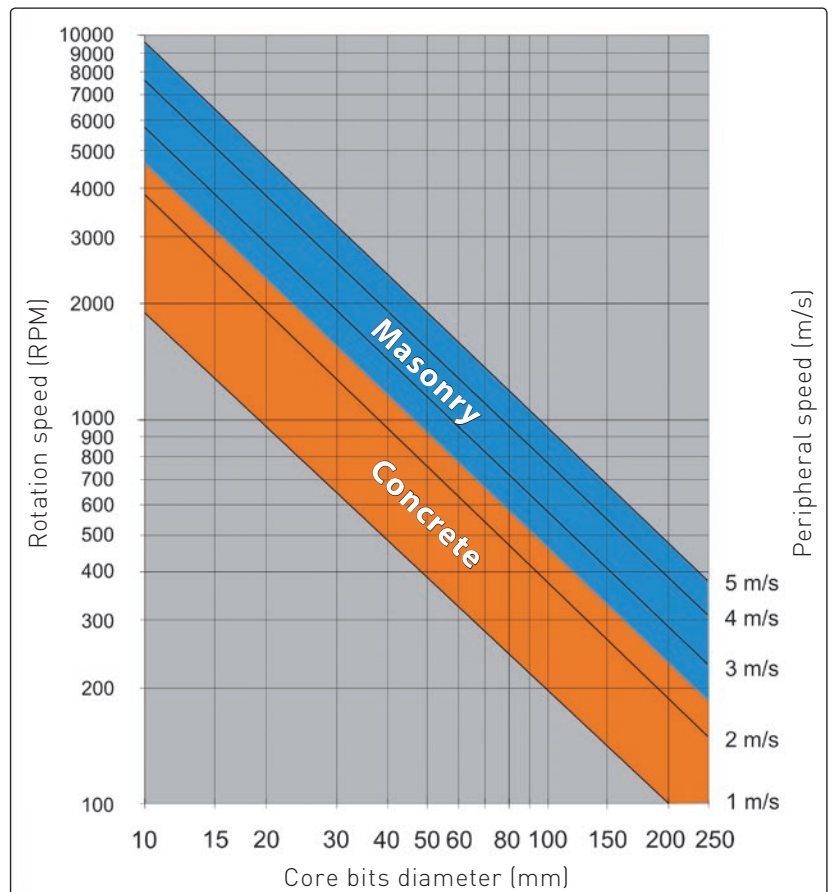
In most cases, core drilling requires the use of water. Properly ground the core drill, as the use of any electrical tools in wet areas can be hazardous.

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



DIAMOND TOOLS SAFETY RECOMMENDATIONS

DIAMOND BLADE DO'S & DON'TS

	DO'S	DON'TS
1	 Ensure the saw bears the mark EN 13236	 Do not use a saw without EN 13236 mark
2	 Always read the safety instructions	 Don't throw away the instructions before reading
3	 Examine the saw for damage	 Never use damaged saws
4	 Align flanges correctly	 Flanges incorrectly aligned
	 Observe direction of run	 Incorrect bore size - No direction of run
5	 Ensure the guard is fitted	 Never remove the guard

	DO'S	DON'TS
6	 Ensure work piece is secure	 Never cut an unstable work piece
7	 Use protective equipment	 Never cut without protective equipment
8	 Only use for cutting off	 Do not grind with a diamond saw
9	 Always straight cutting	 Never twist in the cut
10	 Let the saw cut freely	 Never force the cut

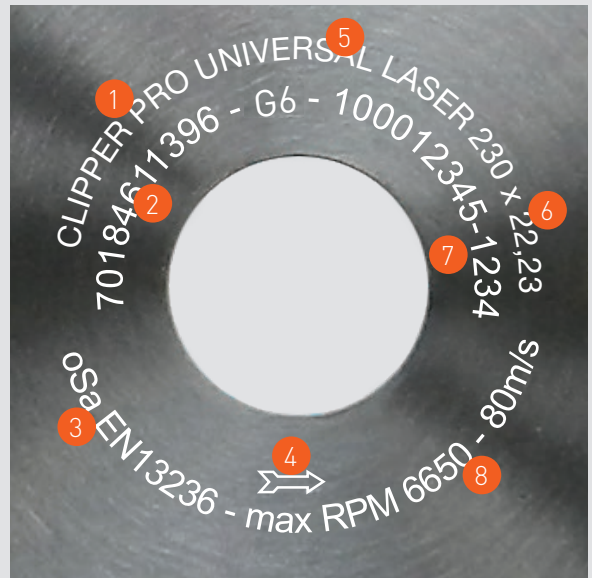
BLADE MARKING SYSTEMS

- 1 Product Name
- 2 Wet or Dry cutting
- 3 Laser Welding Logo
- 4 European Standards
- 5 Material Pictograms
- 6 Quality tier rating
- 7 Diameter and Bore (hole) size
- 8 EAN 13 Code
- 9 Machine Pictogram
- 10 Safety and Restrictions of Use



BLADE MARKING SYSTEMS

- 1 Manufacturer's Name
- 2 Article Number
- 3 Application Safety Standard
- 4 Direction of Rotation
- 5 Specification
- 6 Diameter and Bore
- 7 Manufacturer's production code required for traceability
- 8 Maximum operating speed in RPM and m/s



SAFETY & INFORMATION PICTOGRAMS :



Do not use for face grinding



Do not use with hand-held grinding machine



Do not use for wet grinding



Only suitable for wet grinding



Wear eye protection



Wear protective gloves



Only to be used with a back-up pad



Wear ear protection



Wear a mask



Refer to instructions manual/booklet



Do not use if damaged



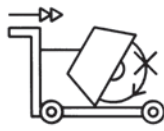
Do not use if damaged



Danger : risk of cut



Danger : risk of cut



Never move the machine with the blade running idle



Blade direction of rotation

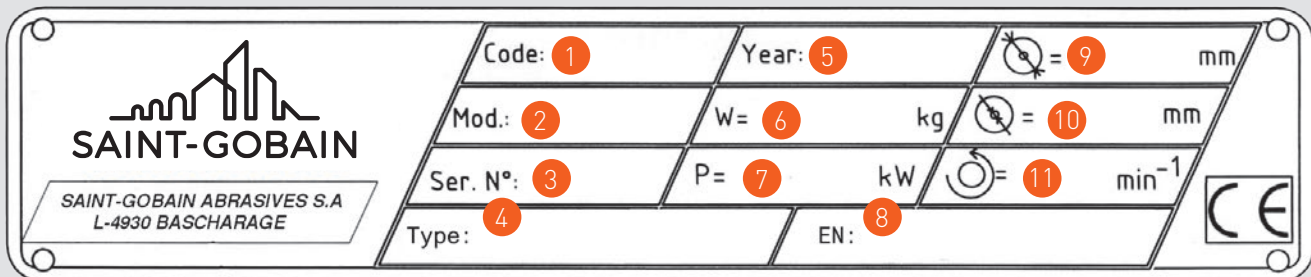


Do not lift the machine from here



Lift from here

MACHINE MARKING



- | | | |
|-----------------|----------------------|------------------------|
| 1 Machine Code | 5 Year of Production | 9 Blade Speed |
| 2 Machine Model | 6 Weight | 10 Bore Diameter |
| 3 Serial Number | 7 Power | 11 Max. Blade Diameter |
| 4 Machine Type | 8 Safety Standard | |

SHAPE SPECIFICATION SYSTEM



Depressed centre grinding wheels. Available in diameters 76-230mm for hand-held machines

Application: grinding



Depressed centre grinding wheels. Available in diameters 115mm & 125mm for hand-held machines

Application: grinding



Flat cutting-off wheels. Available in diameters 40-400mm for hand-held machines & 250-400mm for stationery machines

Application: cutting-off



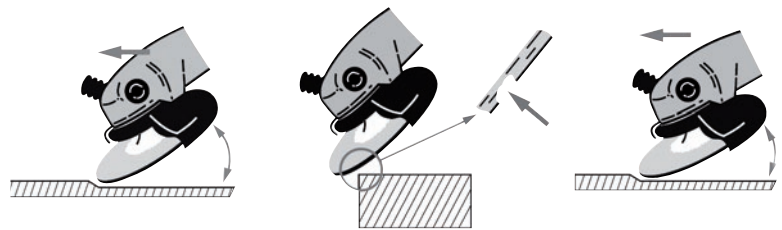
Depressed centre cutting-off wheels. Available in diameters 76-230mm for hand-held machines

Application: cutting-off

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.



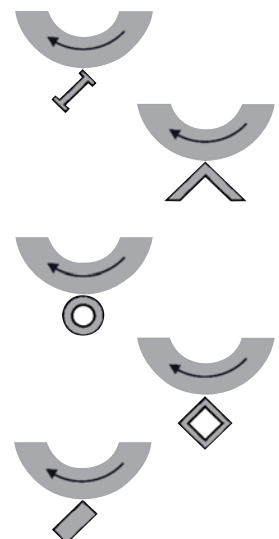
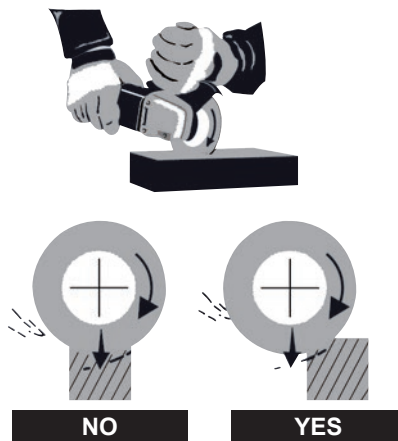
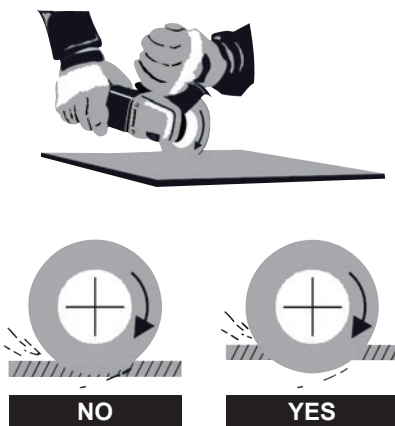
GRINDING FINISHING WORK

- Angle of work 15°.
- Rotary action.



CUTTING-OFF

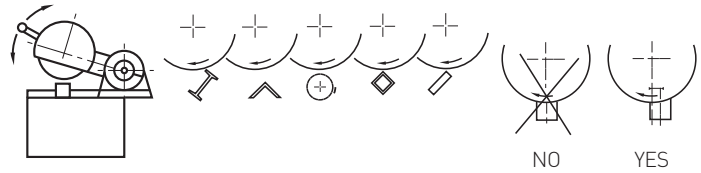
- Arrange the workpiece so that a uniform section can be cut.



FIXED MACHINE

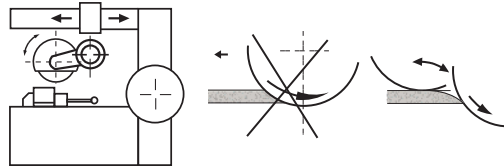
DOWNSTROKE HEADS

- 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

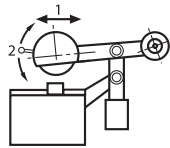
- In the case of thick parts, use the reciprocating motion of the carriage.



OSCILLATING HEADS

OPERATING MODE

- 1 – Oscillating
- 2 – Cutting-off



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





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WORLDWIDE MARKET LEADERSHIP

WORLD CLASS PRODUCT INNOVATIONS

CUTTING EDGE TECHNOLOGIES

A COMPLETE RANGE OF STOCK PRODUCTS

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MADE-TO-ORDER SOLUTIONS



Reshaping
your
world®

BUILDING OUR ENVIRONMENT TOGETHER

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.



DIAMOND BLADE RECOMMENDATION GUIDE

	Extreme Beton	Pro Beton	Classic Beton	Extreme Universal Laser	Pro Universal Laser	Classic Universal Laser	Classic Universal	Extreme Universal Turbo	Pro Universal Turbo	Classic Universal Turbo	Extreme Cut 'n' Grind	Pro Cut 'n' Grind	Pro Universal Ductile
QUALITY	◆◆◆◆	◆◆◆◆	◆◆◆	◆◆◆◆◆	◆◆◆◆	◆◆◆	◆◆◆	◆◆◆◆◆	◆◆◆◆	◆◆◆	◆◆◆◆◆	◆◆◆◆	◆◆◆◆
WET OR DRY	WET & DRY	WET & DRY	WET & DRY	WET & DRY	WET & DRY	WET & DRY	WET & DRY	WET & DRY	WET & DRY	WET & DRY	WET & DRY	WET & DRY	WET & DRY
MACHINES													
DIAMETER (mm)	115-1200	230-600	115-400	300-1000	115-1000	115-1000	115-350	115-350	115-350	115-230	100-125	100-125	115-350
TECHNOLOGY	i-HD™	LASER	LASER	LASER	LASER	LASER	SINTERED	SINTERED	SINTERED	SINTERED	i-HD™	SINTERED	VACUUM
REINFORCED CONCRETE													
Hard Concrete, curbs & gutters	●●	●●	●										
Reinforced Concrete, concrete lintels	●●	●	●										
UNIVERSAL													
Concrete block (3,6-7,3N)	●●	●●	●	●●	●●	●	●	●●	●●	●	●●	●	●
Calcium silicate blocks	●●	●●	●	●●	●●	●	●	●●	●●	●	●●	●	●
Concrete pavers	●●	●●	●	●●	●●	●	●	●●	●●	●	●●	●	●
Concrete with gravels	●●	●●	●	●●	●●	●	●	●●	●●	●	●●	●	●
Clay bricks/ceramic porous blocks	●●	●●	●	●●	●●	●	●	●●	●●	●	●●	●	●
Clinker bricks/facing tiles/terracota	●●	●●	●	●●	●●	●	●	●●	●●	●	●●	●	●
Vitrified clay pipes	●●	●●	●	●●	●●	●	●	●●	●●	●	●●	●	●
ASPHALT / ABRASIVE MATERIALS													
Asphalt													
Asphalt over concrete													
Green concrete													
CERAMICS													
Porcelaine Tiles													
Tiles / Gres													
NATURAL STONE													
Granite											●	●	●
Marble											●	●	
Sandstone											●	●	●
Limestone											●	●	●
OTHER MATERIALS													
Cast iron													●
Fiberglass, PVC, rubber													●

PERFORMANCE KEY

●● **RECOMMENDED**

Ideally suited for this application

● **ACCEPTABLE**

Either the blade life or cutting speed could be affected

Extreme CG	Pro CG	Classic CG	Pro 4x4 Explorer	Extreme Asphalt	Pro Asphalt	Classic Asphalt	Extreme Green concrete	Pro Green concrete	Extreme Ceramic Turbo	Extreme Ceramic	Pro Ceramic	Classic Ceramic	Exteme Granite	Pro Granite Turbo	Pro Granite	Pro Marmo	
◆◆◆◆◆	◆◆◆◆◆	◆◆◆◆	◆◆◆◆◆	◆◆◆◆◆◆	◆◆◆◆◆	◆◆◆◆	◆◆◆◆◆◆	◆◆◆◆◆	◆◆◆◆◆◆	◆◆◆◆◆◆	◆◆◆◆◆	◆◆◆◆	◆◆◆◆◆◆	◆◆◆◆◆	◆◆◆◆◆	◆◆◆◆◆	
WET & DRY	WET & DRY	WET & DRY	WET & DRY	WET & DRY	WET & DRY	WET & DRY	WET	WET	WET & DRY	WET	WET & DRY	WET & DRY	WET & DRY	WET & DRY	WET & DRY	WET & DRY	
100-180	100-180	100-180	115-500	300-1000	300-600	300-600	300-350	300-350	115-300	200-350	115-350	115-350	230-350	115-400	300-600	50-350	
i-HD™	i-HD™	i-HD™	LASER	i-HD™	LASER	LASER	LASER	LASER	SINTERED	SINTERED	SINTERED	SINTERED	i-HD™	LASER	LASER	E/PLATED	
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