



clipper[®]

ABRASIVE SOLUTIONS

BUILDING & CONSTRUCTION

2021

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 best 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 first laser welded diamond blade. Since then, we have 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. We're well known for supplying 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.

THE NORTON CLIPPER IDENTITY

In recent years, Norton Clipper has been completely revitalised. Through significant brand investment, we have improved and modernised machine livery and our packaging design to enhance the brand's unique identity. The Norton Clipper orange is unmistakable, instantly recognisable and synonymous with quality.





DIAMOND TOOL QUALITY TIERING

Within the Norton 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 make selecting the right blade as easy as possible, our material colour coding system has been applied to all of our packaging.

-  **BETON / CONCRETE**
Extreme, Pro, Classic
-  **UNIVERSAL**
Extreme, Pro, Classic
-  **ASPHALT**
Extreme, Pro, Classic
-  **CERAMIC**
Extreme, Pro, Classic
-  **NATURAL STONE**
Extreme, Pro
-  **MULTI-MATERIALS**
Pro 4x4 Explorer, 2x2
-  **REFRACTORY**
Extreme, Pro



PRODUCT NAME CONVERSION CHART

DIAMOND BLADES

FORMER NAME	NOW
UNIVERSAL BUILDING MATERIALS	
FMD Duo	Extreme Universal Laser
Duo BS-15	Extreme Universal Laser
BS Silencio	Extreme Universal Silencio
Euro ZML Evo	Pro Universal Laser
Alfa	
Pro BS-12	Classic Universal Laser
Classic Laser	
Classic BS-10	Classic Universal
Classic Uni	
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
	ROB0 Forsheda	Pro CB Beton ROB0
	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 Granite	Pro CB Granite

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 + 2x2 diamond blade	Pro 4x4 Explorer 2x2 diamond blade
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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

NOMENCLATURE OF MACHINES

NAMING STRUCTURE EXAMPLE – **TT180**:

[Machine Type]	[Key Dimension]	[Version Number]
[Tile Table Saw]	[180mm diameter]	[version 0]

TILE SAWS



MACHINE NAME	MEANING
TT180	Tile Table Saw ø180mm - version 0
TT200	Tile Table Saw ø200mm - version 0
TT251	Tile Table Saw ø250mm - version 1

MACHINE NAME	MEANING
TR232 S	Tile Rail Saw ø230mm - version 2 - short cutting length
TR232 L	Tile Rail Saw ø230mm - version 2 - long cutting length
TR252	Tile Rail Saw ø250mm - version 0

MASONRY SAWS



MACHINE NAME	MEANING
CM 35 mini clipper	Clipper Masonry Saw ø350mm - direct shaft - version 0
CM42 compact	Clipper Masonry Saw ø400 - direct shaft
CST120 UNO	Clipper Stone Saw - Cutting length 120 cm - Classic version - version 0
CST100	Clipper Stone Saw - Cutting length 100 cm - version 0
CST120	Clipper Stone Saw - Cutting length 120 cm - version 0
CST150	Clipper Stone Saw - Cutting length 150 cm - version 0

MACHINE NAME	MEANING
CST120 ALU	Clipper Stone Saw - Cutting length 120 cm - aluminium - version 0
CM401	Clipper Masonry Saw ø400mm
CM501	Clipper Masonry Saw ø500mm - version 1
JUMBO 651	Clipper Jumbo Masonry Saw ø650mm - version 1
JUMBO 900	Clipper Jumbo Masonry Saw ø900mm - version 0
JUMBO 1000	Clipper Jumbo Masonry Saw ø1000mm - version 0
CMV 1000 verto	Clipper Masonry Saw Vertical ø1000mm - version 0
CM 1000 jumbo	Clipper Masonry Saw ø1000mm - version 0

FLOOR SAWS



MACHINE NAME	MEANING
C51	Clipper Street
CS451	Clipper Street ø450 - version 1
CS1	Clipper Street - version 1

MACHINE NAME	MEANING
CSB1	Clipper Street - version 0
CS7,5	Clipper Street Saw 7,5 kW
Speedy Cart	Clipper trolley for petrol saw

HANDHELD CUTT-OFF SAWS



MACHINE NAME	MEANING
CP512 300	Clipper Petrol Saw 5kW 300mm - version 0
CP514 350	Clipper Petrol Saw 5kW 350mm - version 0

MACHINE NAME	MEANING
CE414 350	Clipper Electric Saw 4kW 350mm - version 0

DRILL MOTORS & DRILLING RIGS



MACHINE NAME	MEANING
CDM203	Clipper Drill Motor ø200mm - version 03

MACHINE NAME	MEANING
CDR253	Clipper Drill Rig ø250mm - version 03
CDR353	Clipper Drill Rig ø350mm - version 03

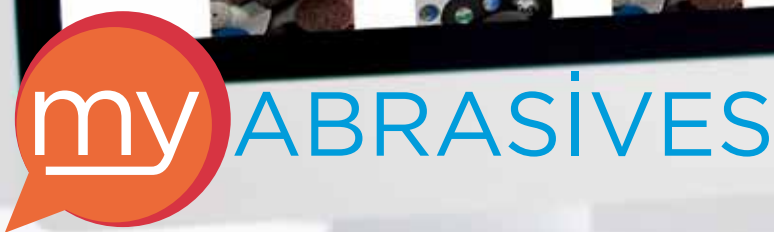
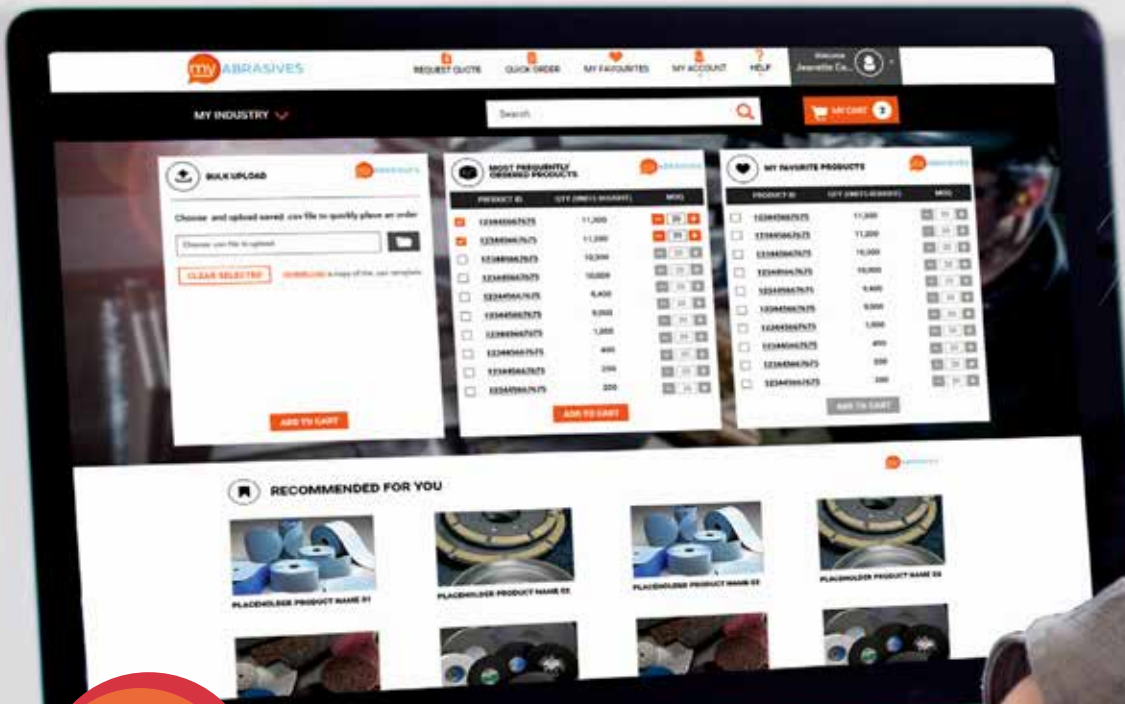
POWER FLOATS



MACHINE NAME	MEANING
CT 601	Clipper Trowel ø600mm - version 01
CT 901	Clipper Trowel ø900mm - version 01

MACHINE NAME	MEANING
CT901 HP	Clipper Trowel ø900mm - version 01
CT 1201	Clipper Trowel ø1200mm - version 01

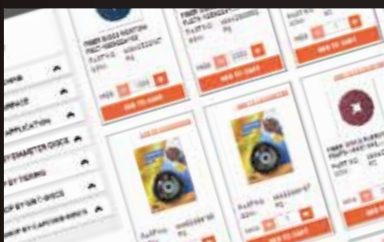
WE'RE MAKING IT EVEN EASIER TO ORDER OUR GREAT PRODUCTS



Introducing the **NEW** online ordering system from Saint-Gobain Abrasives - **MyAbrasives**

Our new user-friendly ordering system works very much like online retailers you use every day, making it much easier to navigate and get what you need, whether it's ordering, tracking or research.

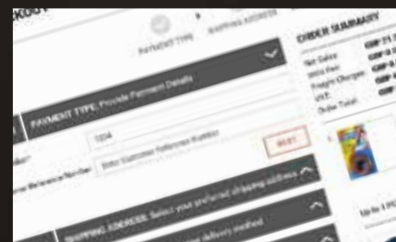
With MyAbrasives, the ordering process is now so simple:



Search for your product



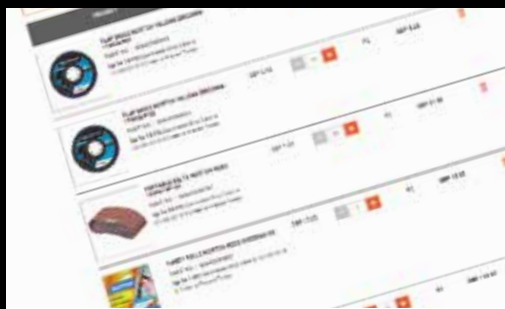
Add to basket



Go to checkout

THE NEW SYSTEM MAKES ORDERING EASIER:

1. Detailed product information and specifications, including images and videos
2. Access to order confirmations, product availability and delivery lead times
3. Available from smartphones, tablets and PCs 24/7
4. Automatically creates a list of most frequently ordered products for ease of future ordering
5. Save favourite lists to make ordering quicker and easier



MYABRASIVES OFFERS GREATER FLEXIBILITY WITH NEW FEATURES AND SERVICES INCLUDING:

- **Product search:** you can now search by UPC, name, category, EAN number and filter and sort search results, making it much easier for you to find what you need
- **Order history and reordering:** you'll be able to see your past orders across all platforms (EDI, ABx, phone and fax) and these can also be easily re-ordered. Invoices, debit/credit notes and shipping status will also be visible in the 'Order History' section so you can be sure all of your paperwork is safe in one place
- **Quotes:** you can now request and track quotes in MyAbrasives rather than having to contact the customer services team separately
- **Saved orders:** you can save orders for future reference by putting multiple items in your cart and saving it, e.g. as 'Monthly Order'. You can also add a note to indicate the order frequency, e.g. 'order every month except December' and save it so you can re-order quickly and easily
- **Bulk orders:** if you need to make a bulk order, you can upload a CSV file directly into the system rather than having to search for each product individually
- **Recommended for you:** a new feature showing related products you may need to order
- **Extra support:** navigate the new system with FAQs and how-to videos or contact our dedicated helpline

Register today

To register call your local customer service team and start using MyAbrasives today.

Reshaping
your
world.



DISCOVER MORE FROM OUR EXPERTS,
FIND MACHINE SPARE PARTS AND
ACTIVATE YOUR GUARANTEE ONLINE AT

www.nortonabrasives.com

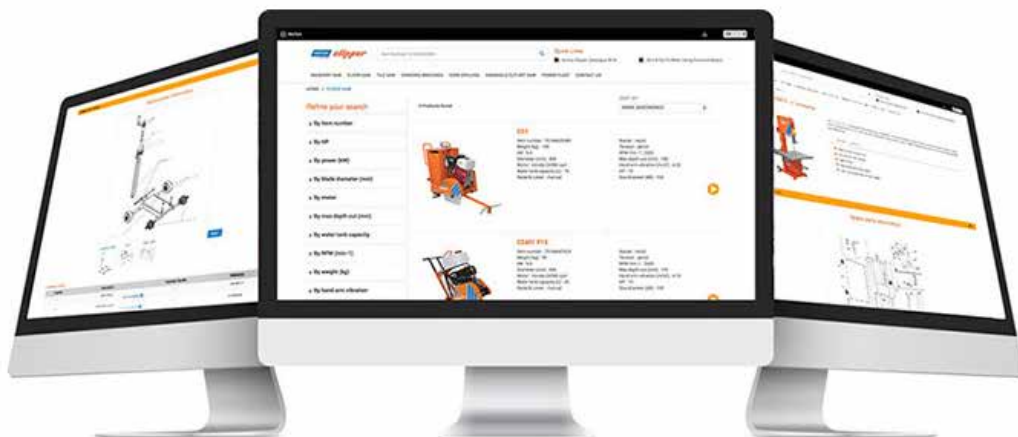
NORTON CLIPPER SPARE PARTS WEBSITE

A vast library of replacement parts is now available at your fingertips with the Norton Clipper spare parts website. With our quick search and easy navigation, finding the ideal part for your machine has never been simpler.

The majority of Norton Clipper machines also feature a QR code that links to the spare parts website; helping you to find the correct spare part on your mobile phone.

The website also provides 24-hour access to important documents for each machine, such as brochures, spare parts list manual, safety manuals and videos.

<https://spareparts.nortonabrasives.com>



<https://spareparts.nortonabrasives.com>

A COMPLETE RANGE

A leading abrasive brand in the construction industry for over 80 years with performance optimised machines and diamond cutting tools, the Norton Clipper range is now extended to include abrasives for hand, machine and floor sanding, cutting discs and grinding wheels, providing a complete offering for all applications in the construction industry.



CUTTING DISCS & 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.



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 transformed into market-ready products, are key priorities for Norton Clipper.

Product innovations are clearly highlighted throughout this catalogue. Norton Clipper's innovative approach is just one of the reasons for its position as the world's leading manufacturer of abrasives; specialising in everything from light equipment to 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 safe operation.

Norton Clipper's multi award winning Silencio blades are recognised as the quietest blade worldwide (up to 30x noise reduction compared with a standard blade) whilst maintaining premium cutting performance. The patented Norton Clipper ellipsoidal gullets also increase the safety aspect of the product by reducing the risk of cracking the steel centre.



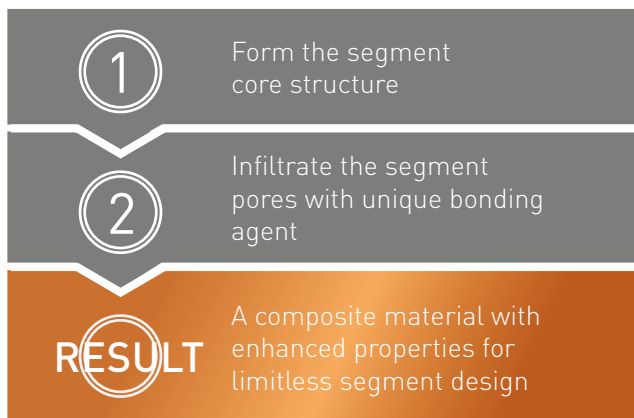
i-HD™ TECHNOLOGY

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 delivers unrivalled performance, increased safety, lower energy manufacturing and a wide choice of segment design.

Infiltration achieves high uniform density across each whole segment without applying high pressure. This allows Norton Clipper to manufacture extremely robust segments that wear evenly, remain intact and perform well 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 long product life.



UP TO 30x 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 pollution.

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.

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 the CS451 Floor Saw and EXTREME CG Comfort Grinding Cup both of which reduce vibration levels and optimise operator comfort with built-in vibration dampening technology.



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.



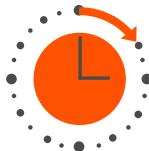


EXTREME CG Comfort

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

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

HAND-ARM VIBRATION LEVEL GUIDE

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 DISCS & 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 and quality are our priority and all Norton Clipper diamond tools and abrasives are manufactured to the most stringent European health, safety and 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 Clipper's top priority. Norton Clipper 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 DISCS & GRINDING WHEELS

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

SNAS

The Syndicat National des Abrasifs et Super Abrasifs (National Union of Abrasives and Superabrasives) are a professional body within the European abrasives sector of which Norton Clipper is a member. SNAS represent 35 companies within France and are primarily focussed on promoting the safe use of abrasives and supporting the ethical development of its members.

FEPA

Norton Clipper are proud to be an active member of FEPA – the Federation of European Producers of Abrasives. This association is a world leading body in the abrasives industry, representing the European markets and continually informing its members on the evolution of the regulatory frameworks globally. FEPA also supports its members with a wide range of technical, legal and scientific services, to ensure that they are able to anticipate future challenges within the abrasives sector.



MACHINES

We provide operating devices which both comply with safety standards and ensure high level of performance even in difficult conditions. 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 product range includes electrical motors, and our design complies with Low Voltage European directives. As for all directives, we go further than mandated instructions 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 equipment 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 harmonised 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

SO 19432 Portable, handheld, internal combustion engine driven cut-off machines

MERCHANDISING SOLUTIONS

Norton Clipper branded display kits feature a selection of components that can be tailored to different product and merchandising requirements. Additionally we offer a range of portable displays and a suite of point-of-sale graphic templates.

STANDS DISPLAY KITS



DISPLAY KITS

The complete kit comes with all components needed to create a full display for all Norton 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	410048416
Complete kit without light	1	410048415

ACCESSORIES

Accessories can be ordered separately if required.

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	410082634*
Header without light	1	410082633*
Shelf	1	410059872*
Drill motor hooks x2	1	510116152*
Eurohooks x35	1	410081866*
Core Drillhook	1	510120422*

*Made to order

POINT-OF-SALE GRAPHICS

A complete set of graphic templates have been created for each of our product ranges per market. As our product portfolio varies per customer, language, and country, our point-of-sale templates can be adapted to cater for all requirements. For information about tailored designs please contact your local sales representative.

POINT-OF-SALE GRAPHICS

Graphic templates can be adapted to suit your requirements.

For information about tailored designs please contact your local sales representative.

EXAMPLE TEMPLATES

HEADERS



BUS STOPS



DISPLAY STANDS



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



COUNTERTOP 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.	LANGUAGE	QTY
00510126407	EN	1



NORTON CLIPPER "TENT"

High quality and easy to assemble 3x3m tent, constructed with an aluminium frame to give a total weight of 32kg.

Ideal for trade fairs.

ITEM No.	QTY
00510146568	1



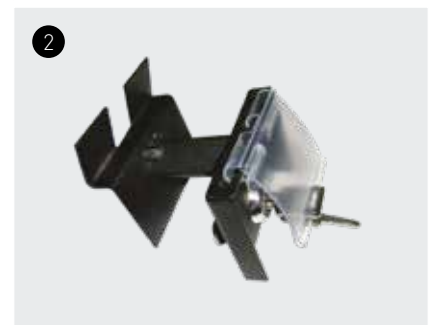
TILE SAWS CORNER

The ideal shop-in-shop solution for your Norton 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
510085218	1



LOCKABLE HOOKS

For the 2x1m wall display: long hook with lockable padlock, suitable for Diamond Blades and abrasive cutting discs.

For the clipper corner: short lockable hook with key.

DESCRIPTION	ITEM No.
1) Safety lockable hooks for the wall display 1x2m	510018714
2) Safety lockable hooks for the Clipper corner	510080899

GOODIES



NORTON CLIPPER MUG

High quality ceramic mug printed in full colour. Dishwasher safe.

- Diameter: 8cm
- Length: 9,3cm
- Weight: 300g
- Volume: 400 ml

ITEM No.	QTY
510146564	1



NORTON CLIPPER CAP

Brushed Twill Cap. Black 100% brushed cotton, six panels, ventilation point, stitching on the screen, satin sweatband, silver metal clasp, front reinforcement.

ITEM No.	QTY
510146565	1



NORTON CLIPPER NOTEBOOK

A5 notepad with 96 cream coloured pages, lined paper, storage pocket, hard cover and bookbinding.

- Length: 21cm
- Thickness: 1,8cm
- Width: 14cm
- Weight: 296g

ITEM No.	QTY
510146567	1



NORTON CLIPPER UMBRELLA

Foldable umbrella. 21.5" umbrella with metal frame, metal ribs and plastic handle. Delivered with a cover. 190T polyester.

- Weight: 227g
- Length: 24cm
- Diameter: 87cm

ITEM No.	QTY
510152843	1

AFTER-SALES SERVICE & SUPPORT

By choosing Norton Clipper machines, diamond tools and 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, the machine can be shipped for repair to your nearest Norton Clipper after-sales service centre.

In order to optimise repair efficiency, please fill out the Norton Clipper Repair Form, available on www.nortonabrasives.com.

If the issue is with the internal combustion motor issue, please contact the local dealer directly.

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.

DIAMOND TOOL PRODUCT INDEX

CONCRETE & REINFORCED CONCRETE



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SILENCIO
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EXTREME BETON
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PRO BETON
SILENCIO
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PRO BETON
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PRO BETON SOFT
PAGE 35



CLASSIC BETON
TURBO
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CLASSIC BETON
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LASER
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X-LOCK UNIVERSAL
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PRO UNIVERSAL
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PRO PIPE CUTTER
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PRO GRANITE
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PRO MARMO
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PRO MARMO SURF
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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, kerbs & 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													
Porcelain Tiles													
Tiles / Gres													
NATURAL STONE													
Granite											●	●	●
Marble											●	●	
Sandstone											●	●	●
Limestone											●	●	●
OTHER MATERIALS													
Cast iron													●
Fibreglass, 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	230-900	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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			●											●●	●●	●●	●
			●														
			●														

DIAMOND TOOLS FOR

CONCRETE & REINFORCED CONCRETE

Discover our diamond blades especially designed for cutting of: 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 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.
	230	22.23	17/2.8	70184601168**
	300	20	15/3.2	70184629000
	300	25.4	15/3.2	70184642421
	350	20	15/3.2	70184647780**
	350	25.4	15/3.2	70184628999**
	350	25.4	15/3.2	70184628997
	400	20	15/3.2	70184694504
	400	25.4	15/3.2	70184643510
	450	25.4	15/3.2	70184631020
	500	25.4	15/3.2	70184630416

** IHD technology





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
- **Applications:** for concrete and reinforced concrete on angle grinder, cut of saw and floor saws up to more than 90 hp



MACHINES	∅ (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	115	22.23	12/2.2	70184630301
	125	22.23	12/2.2	70184630302
	230	22.23	15/3.0	70184647723
	300	20	15/3.0	70184647787
	300	25.4	15/3.0	70184647788
	350	20	15/3.2	70184647789
	350	25.4	15/3.2	70184647790
	400	20	15/3.2	70184693353
	400	25.4	15/3.2	70184693354
	450	25.4	15/3.8	70184602363
	500	25.4	15/3.8	70184601690
	600	25.4	15/4.4	70184601691
	700	25.4	15/4.4	70184601692*
	800	25.4	15/4.4	70184601693

Formerly Duo Extreme and Vorax 5 (≥500mm) * Available on request



NAME	MACHINE	POWER	∅ (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
Beton 10		20 - 30 hp	500	25.4	15/3.8	70184601696
		20 - 30 hp	600	25.4	15/4.4	70184601735
		20 - 30 hp	700	25.4	15/4.4	70184601999*
Beton 20		35 - 54 hp	600	25.4	15/4.4	70184694212*
		35 - 54 hp	700	25.4	15/4.4	70184694733
		35 - 54 hp	800	25.4	15/4.4	70184694735*
		35 - 54 hp	900	25.4	15/4.4	70184601694

* Available on request





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

NAME	MACHINE	POWER	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
Beton 30		55 - 90 hp	600	25.4	15/4.4	70184694719*
		55 - 90 hp	700	25.4	15/4.4	70184694718*
		55 - 90 hp	800	25.4	15/4.4	70184694721*
		55 - 90 hp	1000	25.4	15/4.4	70184694723*
		55 - 90 hp	1200	25.4	15/4.4	70184694724*

Formerly Vorax * Available on request

PRO BETON SILENCIO



***LASER**

- The Norton Clipper Pro Beton Silencio blade reduces noise by up to three times (-5 dB(A)) compared to conventional blades when used on an angle grinder thanks to a special steel core
- The Norton Clipper Pro Beton Silencio blade features 12mm high segments for longer life
- It is specialised for use on reinforced concrete and building materials, helping you to cut quickly and efficiently in environments where noise and costs need to be kept to a minimum
- Diameter 350mm has been developed for electric handheld machines such as the Norton Clipper CE414

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	230	22.23	12/2.6	70184602810
	350	25.4	12/2.8	70184603274



BLADES FOR CONCRETE & REINFORCED CONCRETE FOR CUT-OFF SAWS, FLOOR SAWS & WALL 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.
	230	22.23	12/2.8	70184612117*
	300	20	10/2.5	70184627058**
	350	20	10/2.8	70184627060**
	350	25.4	10/2.8	70184627061**
	400	25.4	10/3.2	70184627062**
	450	25.4	10/3.2	70184627063**
	500	25.4	10/3.8	70184627064**
	600	25.4	10/4.0	70184627065**



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)
- Wide gullet for great results on soft materials

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	300	20	12/2.8	70184611453
	300	25.4	12/2.8	70184611455
	350	20	12/2.8	70184611456
	350	25.4	12/2.8	70184611458
	400	20	12/3.2	70184611459
	400	25.4	12/3.2	70184611460
	450	25.4	12/3.2	70184611461
	500	25.4	12/3.8	70184611981
	600	25.4	12/4.4	70184611982



Formerly Super Beton Evo * Pro beton soft blades range are recommended to cut hard material

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.
	115	22.23	10/2.4	70184694465
	125	22.23	10/2.4	70184694466
	230	22.23	10/2.6	70184694467
	300	20	10/3.2	70184694468
	300	25.4	10/3.2	70184602486
	350	20	10/3.2	70184694469
	350	25.4	10/3.2	70184694470
	400	20	10/3.2	70184601392
	400	25.4	10/3.2	70184694471



Formerly Classic Turbo Laser



BLADES FOR CONCRETE & REINFORCED CONCRETE FOR ANGLE GRINDERS, CUT-OFF SAWS, MASONRY & FLOOR 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.
	300	20	10/2.8	70184626869
	300	25.4	10/2.8	70184626870
	350	20	10/2.8	70184626871
	350	25.4	10/2.8	70184626872
	400	25.4	10/3.2	70184626873
	450	25.4	10/3.2	70184626874
	500*	25.4	10/3.4	70184694416*
	600*	25.4	10/3.6	70184694417*

* 500-600mm with undercutting protection segments



EXTREME BETON WALL SAW



*LASER

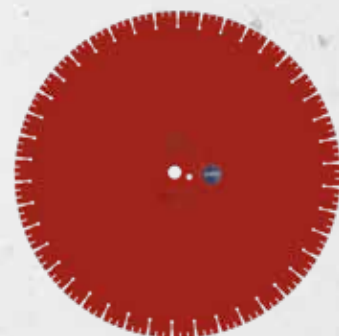


- The new generation of wall saw blades with i-HD™ technology for the fastest cut ever
- For electric or hydraulic wall saw machines

MACHINES	Ø (mm)	BORE (mm)	BORE PATTERN	SEGMENT H/W (mm)	ITEM No.
	600	25.4	-	15/4.8	70184607641
	600	25.4	-	15/5.5	70184607702
	650	60	-	15/3.8	70184607812
	700	25.4	-	15/3.8	70184608387
	800	25.4	-	15/3.8	70184607902
	800	60	-	15/3.8	70184607703
	800	25.4	-	15/4.8	70184607704
	800	60	Hydrostress	15/4.8	70184607705
	1000	60	-	15/4.8	70184607730
	1200	60	-	15/4.8	70184607731

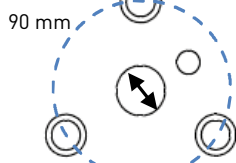
Other patterns available on demand

Formerly V-Max III



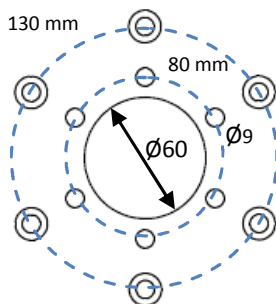
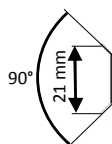
Clipper's Tip

BORE PATTERNS



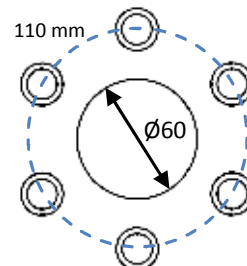
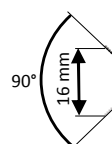
TS5

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



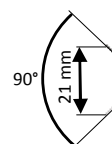
HYDROSTRESS

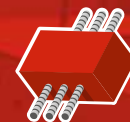
Six conical holes for countersunk M8 screws on a 130mm circle
Six holes ø9mm on a 80mm circle
Bore 60mm



TS20

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





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.
	800	60		14/4.8	70184628513*
	1000	60		14/4.8	70184630618*

Formerly V-MAX

* Available on request



EXTREME BETON LB



- Speciality blades for loop cutting on floor saws
- For concrete and reinforced concrete

MACHINES	Ø (mm)	BORE (mm)	SEGMENT WIDTH (mm)	ITEM No.
	350	25.4	8	70184627442*
	350	25.4	10	70184629326*

Formerly Revex LB

* Available on request



DIAMOND TOOLS FOR

UNIVERSAL BUILDING MATERIALS

Discover our diamond blades especially designed for cutting of: cured concrete, kerb stones, 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 paving, granite, natural stone, roof tiles and hard tiles



MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	115	22.23	12/1.8	70184623598
	125	22.23	12/2.0	70184623599
	230	22.23	12/2.8	70184623180
	300	20	12/2.8	70184611230
	300	25.4	12/2.8	70184611236
	350	20	12/3.2	70184611427
	350	25.4	12/3.2	70184611561
	230	70/22.23 + Flange	12/2.8	70184623448

Formerly Aero Jet Evo



PRODUCT FEATURES



12mm HIGH SEGMENTS WITH WAVED STEEL CENTRE



ROTATIONAL DIRECTION

QUICK FIX

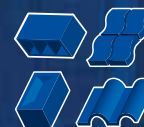


The Quickfix system allows the bore of a blade to be adjusted in order to fit machines with different arbor/shaft diameters. There are two versions, the first allows a blade with a 25.4mm bore to be fitted to a machine with a 22.23mm arbor/shaft. The second allows a blade with either a 25.4mm or 22.23mm 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.
	25.4	22.23	70184623894
	25.4/22.23	20	70184622589













PRO UNIVERSAL TURBO



- 12mm high continuous rim blade
- Ideal for 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.
	115	22.23	12/2.1	70184610314
	125	22.23	12/2.1	70184610315
	150	22.23	12/2.5	70184610316
	180	22.23	12/2.5	70184610317
	230	22.23	12/2.8	70184610267
	300	20	12/3.2	70184610259
	350	20	12/3.2	70184610334*
	350	25.4	12/3.2	70184610336

Formerly Euro Jet

* Available on request










CLASSIC UNIVERSAL TURBO



- An economical solution
- Continuous rimmed blade

- Use dry or wet

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	115	22.23	10/2.2	70184626814
	125	22.23	10/2.2	70184626815
	180	22.23	10/2.4	70184626816
	230	22.23	10/2.6	70184626818
	300	20	10/3.2	70184626822
	350	25.4	10/3.2	70184626824
	125	M14	10/2.0	70184629695
	230	70/22.23 + Flange	10/2.6	70184626819

Formerly Classic Jet



EXTREME UNIVERSAL SILENCIO



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.
	300	25.4	15/2.8	70184640269
	350	25.4	15/2.8	70184628998
	400	25.4	15/3.1	70184640270
	450	25.4	15/3.1	70184694368*
	500	25.4	15/3.2	70184630309

* Available on request



EXTREME UNIVERSAL SILENCIO



- Our best quality for your masonry saw
- Reduction of noise up to 30x
- Laser welded blade for optimum safety and performance

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	650	25.4	15/4.4	70184694227
	900	60/55	15/4.4	70184694030
	1000	60/55	15/4.4	70184694595

Formerly BS Silencio



Clipper's Tip

IDEAL FOR BLOCK SAWS



YouTube

Norton Clipper Silencio



EXTREME UNIVERSAL 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.
	300*	30/25.4	15/2.8	70184612282
	350*	30/25.4	15/2.8	70184612283
	400	25.4	10/3.2	70184611438
	450	25.4	10/3.2	70184611439
	500	25.4	7/3.8	70184611440

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

Formerly FMD DUO



PRODUCT FEATURES



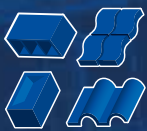
15mm HIGH SEGMENTS
ON DIAMETER 300mm AND 350mm



ROTATIONAL DIRECTION



FOR BEST RESULTS USE ON NORTON CLIPPER MASONRY SAWS - SEE PAGE 103



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

PRO UNIVERSAL SILENCIO



LASER

- The Norton Clipper Pro Universal Silencio blade reduces noise by up to eight times (-9 dB(A)) compared to conventional blades when used with a masonry saw
- The Pro Universal Silencio blade features 12mm high segments for longer life

- Ideal for concrete and building materials, it achieves a fast, efficient cut with limited noise for sensitive environments at a more economical cost when price is a consideration



MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	350	25.4	12/3.1	70184602811

For use on a masonry saw only

PRO UNIVERSAL LASER



LASER

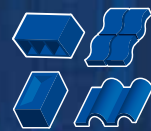
- Fast cutting
- For use on concrete slabs and general purpose building materials

- Use dry or wet cutting on masonry saws

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	115	22.23	12/2.2	70184607493
	125	22.23	12/2.3	70184607684
	150	22.23	12/2.2	70184607685
	150	30	12/2.2	70184607693
	180	22.23	12/2.5	70184607686
	180	30	12/2.5	70184607687
	230	22.23	12/3.0	70184603038
	300	20	12/3.1	70184607689
	300	25.4	12/3.1	70184607690
	350	20	12/3.20	70184607691
	350	25.4	12/3.2	70184607692
	350	25.4	10/2.8	70184611209
	400	25.4	10/2.5	70184610679
	400	25.4	10/3.2	70184625951
	450	25.4	10/3.2	70184625952
	500	25.4	10/3.2	70184625953

Formerly Euro ZML Evo and Alfa





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.
	115	22.23	7/2.2	70184626834
	125	22.23	7/2.2	70184626835
	150	22.23	7/2.2	70184626836
	180	22.23	7/2.5	70184626837
	230	22.23	10/2.5	70184626838
	300	20	10/2.5	70184626839
	300	25.4	10/2.5	70184626840
	350	20	10/2.8	70184626841
	350	25.4	10/2.8	70184626842



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.
	115	22.23	10/1.8	70184626806
	125	22.23	10/1.8	70184626807
	180	22.23	10/2.2	70184626809
	230	22.23	10/2.4	70184626810
	300	20	10/3.0	70184626811
	350	25.4	10/3.2	70184626813



Formerly Classic Uni

X-LOCK UNIVERSAL LASER



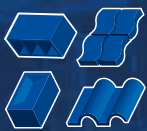
LASER

- Featuring the X-LOCK system for fast disc changeover

- X-LOCK blades are also compatible for use on conventional angle grinders with spindle mount

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	115	22.23	10/2.2	70184607941
	125	22.23	10/2.4	70184607942





BLADES FOR UNIVERSAL BUILDING MATERIALS FOR BLOCK SAWS

EXTREME UNIVERSAL LASER

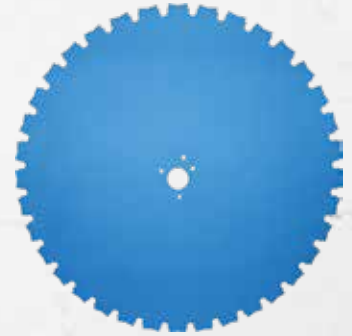


LASER

- 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.
	900	60	15/4.8	70184647651

Formerly DUO BS15



PRO UNIVERSAL LASER



LASER

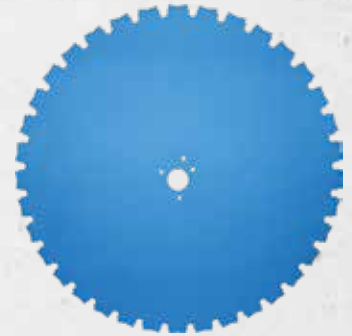
- Laser welded ensure optimum performance and security
- 12mm segment height
- For use on concrete slabs and general purpose building materials
- Use dry or wet cutting on masonry saws

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	600	25.4	12/4.4	70184647258*
	625	60	12/4.4	70184693972
	650	25.4	12/4.4	70184647265
	700	25.4	12/4.4	70184603061**
	700	60	12/4.4	70184647264
	900	60	12/4.4	70184647266
	1000	60	12/4.4	70184647263

** Specially designed for your CM70 ALU

Formerly Pro BS12

* Available on request



CLASSIC UNIVERSAL LASER



LASER

- An economical blade choice for dry or wet cutting on masonry saws
- For use on construction materials and lightweight blocks, clay blocks, sandstone

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	650	25.4	10/4.4	70184647267
	900	60	10/4.4	70184647269
	1000	60	10/4.4	70184647650

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.
	115	22.23	2.8	70184694459
	125	22.23	2.8	70184694460
	180	22.23	2.8	70184694461
	230	22.23	3.1	70184694462
	300	20	3.4	70184694463
	350	25.4	3.4	70184694464
	400	20	3.3	70184694691



Formerly Multi-Runner

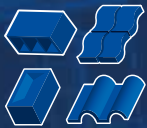
PRO PIPE CUTTER



- For cutting and grinding plastic pipes
- Allows to cut and grind a plastic pipe in only one step
- Can be used on all materials

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	125	22.23	2.5	70184601374







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.
	115	22.23	7/6.5	70184601130
	125	22.23	7/6.5	70184641691

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.
	115	22.23	6.5/4.5	70184610712
	125	22.23	6.5/4.5	70184610713
	115	22.23	6.5/6.5	70184610305
	125	22.23	6.5/6.5	70184610307
	115	22.23	6.5/8.0	70184610715
	125	22.23	6.5/8.0	70184610716

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, and plasterboards
- Removes concrete 2x faster than a standard blade

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	115	22.23	13/6.5	70184624198
	125	22.23	13/6.5	70184624199

Formerly TP-V Crack Chaser



EXTREME CG



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



See page 20 for more information on merchandising displays

Cup Height



MACHINES	Ø (mm)	CUP HEIGHT (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	100	19	22.23	4.5	70184694991
	125	24	22.23	4.5	70184694993
	180	29	22.23	4.5	70184694994
	125 FLAT	19	22.23	4.5	70184694992

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)

Cup Height



MACHINES	Ø (mm)	CUP HEIGHT (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	100	19	22.23	4.5	70184694988
	125	24	22.23	4.5	70184694989
	180	29	22.23	4.5	70184694990



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

Cup Height



MACHINES	Ø (mm)	CUP HEIGHT (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	100	19	22.23	4.5	70184694995
	125	24	22.23	4.5	70184694996
	180	29	22.23	4.5	70184601079



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 minimises the vibration and optimises your comfort.



MACHINES	Ø (mm)	CUP HEIGHT (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	100	20	22.23	4.5	70184607656
	125	25	22.23	4.5	70184602648
	180	30	22.23	4.5	70184607657

Cup Height



Clipper's Tip

BEST WHEN USED ON NORTON CLIPPER CG125 (SEE PAGE 175)

PRO CG-PCD COMFORT



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

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

MACHINES	Ø (mm)	CUP HEIGHT (mm)	BORE (mm)	PCD ELEMENTS	ITEM No.
	125	18	22.23	12pcs	70184645886

Cup Height



CLASSIC CG-PCD



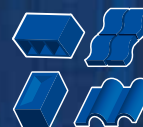
- Cost-effective Polycrystalline Diamond (PCD) cup wheel
- Designed for the fast removal of glue, epoxy resins and paint

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

MACHINES	Ø (mm)	CUP HEIGHT (mm)	BORE (mm)	PCD ELEMENTS	ITEM No.
	125	19	22.23	12pcs	70184693445

Cup Height






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.
	125	M14	25 / 3.9	70184602036



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.
	100	M14	25 / 3.9	70184641171
	125	M14	25 / 3.9	70184641172



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 blade.

- 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 :

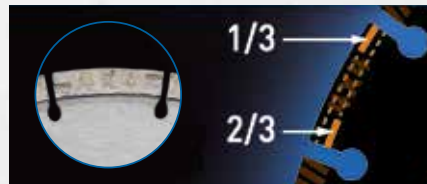
- Reinforced concrete
- Concrete lintels
- Limestone concrete
- Concrete roof tiles
- Paviments and blocks
- Granite and natural stones
- Asphalt
- Asphalt over concrete
- Breeze blocks
- Gridstone
- Sandstone
- Steel parts up to 5mm thick

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	115	22.23	10/2.2	70184602018
	125	22.23	10/2.2	70184602019
	180	22.23	10/2.5	70184602020
	230	22.23	12/2.5	70184602021
	300	20	12/3.0	70184602022
	300	25.4	12/3.0	70184602023
	350	20	12/3.2	70184602091
	350	25.4/20	12/3.2	70184602092
	350	25.4	12/3.2	70184602093
	400	25.4	12/3.2	70184602095
	400	20	12/3.2	70184602094
	450	25.4	12/3.2	70184602096
	500	25.4	10/3.8	70184602097

PRODUCT FEATURES



DROP-SHAPE GULLETS



SEGMENT WEAR INDICATOR



PATENTED CUTTING DEPTH INDICATOR

PRO 2X2 RANGE



Norton Clipper PRO 2x2 is a laser-welded diamond blade, suitable for cutting a wide range of materials, from asphalt and abrasive materials to concrete and reinforced concrete. Equipped with special undercutting protection segments for safety, the Norton Clipper PRO 2x2 ensures user safety even when cutting very abrasive materials

- Multipurpose blade cuts all materials
- 10mm high segments
- Undercutting protection segments for safety
- Laser-welded segments
- Fully compliant with EN13236
- Suitable for cutting concrete and asphalt
- Free-cutting and comfortable
- Long life, especially in floor sawing applications
- Prevents early wear of steel-centre when cutting abrasive materials
- Best safety against segment loss
- Ensures the product has been tested and validated



For cutting off all the following materials :

- Reinforced concrete
- Concrete lintels
- Limestone concrete
- Concrete roof tiles
- Paviments and blocks
- Granite and natural stones
- Asphalt
- Asphalt over concrete
- Breeze blocks
- Gridstone
- Sandstone

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	300	20	10/2.5	70184647331
	300	25.4	10/2.5	70184647332
	350	20	10/2.8	70184647336
	350	25.4	10/2.8	70184647337
	400	25.4	10/2.8	70184601398
	450	25.4	10/2.8	70184601399
	500	25.4	10/2.8	70184601400

QUICKFIX



The Quickfix system allows the bore of a blade to be adjusted in order to fit machines with different arbor/shaft diameters. There are two 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.
	25.4	22.23	70184623894
	25.4/22.23	20	70184622589



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 and 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, walls and floor tiles



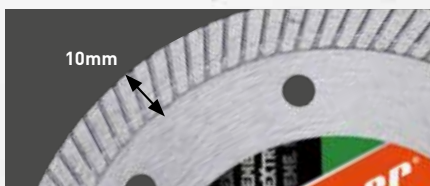
MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	115	22.23	10/1.4	70184644759**
	125	22.23	10/1.4	70184644760**
	180	22.23	10/1.4	70184621970**
	200	25.4	10/2	70184625427*
	230	22.23	10/2	70184621973**
	230	25.4	10/2	70184627653*
	250	25.4	10/2	70184625428*
	250	30	10/2	70184645565* [▲]
	300	25.4	10/2.2	70184625429*
	300	30	10/2.2	70184645566*

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

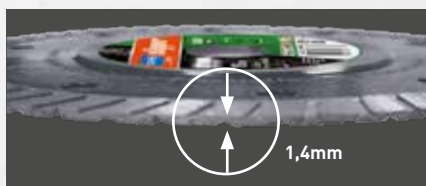
[▲] Available on request



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 and quarry tiles

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	200	25.4	9/1.6	70184647047
	230	25.4	9/1.6	70184644431
	250	25.4	9/1.6	70184644432
	300	25.4	9/2.0	70184630334
	350	25.4	9/2.0	70184630335

Formerly Ceram XJ





EXTREME CERAMIC SOFT*



- 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
- Offers a very good finish on the hardest tiles

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	200	25.4	2 / 9	70184603234
	230	25.4	2 / 9	70184603235
	250	25.4	2 / 9	70184603236
	300	25.4	2 / 9.5	70184602483
	350	25.4	2 / 9.5	70184602484
	400	25.4	2.4 / 10	70184603237

* Extreme Ceramic Soft range blades are recommended to cut hard materials



PRO CERAMIC



- Good value for money continuous diamond rim
- Can be used for dry or wet cutting

- For use on ceramics, granite, marble, slate and quarry tiles

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
Wet & dry cutting				
	115	22.23	9/1.6	70184625942
	125	22.23	9/1.6	70184625940
	180	22.23	9/1.7	70184625944
	230	22.23	9/2.2	70184625946

Formerly MD 110 CD

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
Wet cutting only				
	150	25.4/22.23	10/1.6	70184625560
	180	25.4/22.23	10/1.9	70184625561
	200	25.4	10/1.9	70184625093
	200	30	10/1.9	70184625094
	230	25.4	10/1.9	70184625096
	250	25.4	10/2	70184625097
	300	25.4	10/2	70184625098
	350	25.4	10/2	70184625100

Formerly MD 120 C



CLASSIC CERAMIC TURBO



- Turbo continuous rimmed diamond blade faster and 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.
	115	22.23	7/1.6	70184627645
	125	22.23	7/1.6	70184627646

Formerly Classic Ceram XT





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

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.
	115	22.23	7/1.6	70184626825
	125	22.23	7/1.6	70184626826
	180	25.4/22.23	7/1.7	70184626828
	200	30/25.4	7/1.7	70184626829
	230	22.23	7/1.8	70184626830
	230	25.4	7/1.8	70184628734
	250	25.4	7/1.8	70184626831
	300	25.4	7/2.1	70184626832
	350	25.4	7/2.1	70184626833



X-LOCK CERAMIC



- Featuring the X-LOCK system for fast disc changeover

- X-LOCK blades are also compatible for use on conventional angle grinders with spindle mount

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	115	22.23	10/1.4	70184607943
	125	22.23	10/1.4	70184607944



DIAMOND BLADES FOR

GRANITE, MARBLE & NATURAL STONE



EXTREME GRANITE



***LASER**

The 15mm 'Duo' shaped trapezoidal segments are produced with i-HD™ technology making them optimised for cutting hard materials such as granite, natural stone, concrete slabs and blocks. These segments also provide benefits such as super long life, excellent cutting speed, improved operator comfort and low vibration. The Extreme Granite also provides optimum safety against segment loss.

The exclusive "arrow" shaped gullet slots permanently indicate the correct direction of rotation.



MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	230	22.23	15/2.6	70184601172
	300	20	15/2.8	70184601173
	350	25.4	15/2.8	70184601174
	350	25.4	15/2.8	70184603311
	500	25.4	15/3.2	70184603312
	900	60	12/4.6	70184603313



Formerly Duo Granite+



Clipper's Tip

USE QUICKFIX SYSTEM FOR THE BLADE TO FIT MACHINES WITH DIFFERENT ARBOR/SHAFT DIAMETER (SEE PAGE 54)

EXTREME STRADALIT



***LASER**

- Laser-welded, 10mm high segments with silent steel-centre, ideal for wet cutting very hard natural stone, cured clay pavers and engineering bricks on masonry saws

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	350	25.4	10/2.5	70184621132
	400	25.4	10/2.5	70184623047

Formerly Super Stradalit Evo





PRO GRANITE TURBO



LASER

- The 12mm laser welded segments are corrugated in shape, which generate less friction and makes the blade more efficient. These segments also provide the blade with strong cutting performance and a long life

- Designed for dry and wet cutting
- Specifically designed for granite, concrete slabs and other hard stone materials
- An excellent cost to performance ratio, offering great value for money

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	115	22.23	12/2.2	70184626525
	125	22.23	12/2.2	70184626526
	180	22.23	12/2.4	70184626527
	230	22.23	12/2.6	70184626528
	230	70/22.23 + Flange	12/2.6	70184629653
	300	20	12/3.2	70184626530
	300	25.4	12/3.2	70184626529
	350	20	12/3.2	70184626531
	350	25.4	12/3.2	70184626532
	400	25.4	12/3.2	70184626533

Formerly Granite Turbo Laser



PRO GRANITE



LASER

- Great value for money blade

- Designed for use on granite, marble and natural stone

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	300	25.4	10/2.5	70184610384
	350	25.4	10/3.0	70184610385
	400	25.4	10/3.2	70184610386
	450	25.4	10/3.4	70184610436
	500	25.4	7/3.2	70184610437
	600	25.4	7/4.4	70184610438*

Formerly Granito

* Available on request





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

PRO MARMO



- Versatile diamond blade suitable for materials such as granite, marble, plastics and natural stone, and is ideal for use on angle grinders, cut-off saws and masonry saws
- The electroplated surface and drop-down diamond inserts on the steel centre clean the cutting profile while in use, these features ensure fast and smooth cutting

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	50	6	2.4	70184629965
	115	22.23	2.4	70184626663
	125	22.23	2.4	70184626666
	150	20	2.4	70184601282
	230	22.23	2.8	70184626668
	300	25.4	2.9	70184620243
	350	25.4	2.9	70184620244



Formerly Marmo Pro

PRO MARMO SURF



- Pro Marmo Surf can be used as both a diamond blade and a diamond cup grinder and is well suited for cutting and grinding natural stone
- Electroplated continuous rim generates smooth cutting and grinding

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	115	M14	2.4	70184640590
	125	M14	2.4	70184640591
	230	70/22.23 + Flange	2.8	70184640592



Formerly Pro Surf

DIAMOND TOOLS FOR

ASPHALT & ABRASIVE MATERIALS

Discover our blades especially designed for cutting of: asphalt, asphalt over concrete, green concrete, bitumen, cement joints, breeze blocks and Lignacite blocks



EXTREME ASPHALT



***LASER**

The Extreme Asphalt blade delivers extremely fast cutting performance and accuracy. The ideal diamond blade for all high speed saws and floor saws when cutting asphalt, asphalt over concrete, green concrete and abrasive building materials.

- 15mm laser welded duo shaped segments protect against undercutting on the steel centre and give the blade excellent cutting speed, low vibration when in use, and an extended product life*
- The patented 'depth of cut' indicator with stroboscope effect provides the user with greater control*
- 8 high wear protection segments further extend the blade's life
- Exclusive "arrow" shaped engraving permanently marks the direction of rotation*
- Wide gullet slots contribute to fast removal of cutting debris



* Only on blades for <20 hp machines



MACHINE	POWER	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	< 20 hp	300	20	15/3	70184694907
	< 20 hp	350	25.4	15/3.2	70184694537
	< 20 hp	400	25.4	15/3.2	70184694911
	< 20 hp	450	25.4	15/3.2	70184694912
	< 20 hp	500	25.4	15/3.6	70184694913

Formerly Duo Asphalt+



NAME	MACHINE	POWER	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
Asphalt 10		20 - 30 hp	500	25.4	10/4.3	70184640191
		20 - 60 hp	600	25.4	12/4.4	70184603293
		20 - 60 hp	700	25.4	12/4.4	70184603354
		20 - 60 hp	800	25.4	12/4.4	70184603355
		20 - 30 hp	900	25.4	10/4.3	70184640195
		20 - 30 hp	1000	25.4	10/4.3	70184640196*
Asphalt 20		30 - 60 hp	500	25.4	10/4.3	70184640200*
		20 - 60 hp	600	25.4	12/4.4	70184603293
		20 - 60 hp	700	25.4	12/4.4	70184603354
		20 - 60 hp	800	25.4	12/4.4	70184603355
Asphalt 30		30 - 60 hp	900	25.4	10/4.3	70184640204
		60 - 90 hp	600	25.4	12/4.4	70184607905
Asphalt 40		60 - 90 hp	600	25.4	12/4.4	70184607905

Formerly Platinum

* Available on request





PRO ASPHALT



LASER

- Designed for intensive use, this blade displays excellent longevity and provides great value for money
- Undercutting protection on the steel centre thanks to slanted segments
- A patented depth and direction indicator, helps the operator maintain control over their application at all times

MACHINES	POWER	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	< 20 hp	300	20	10/2.8	70184623182
	< 20 hp	300	25.4	10/2.8	70184623184
	< 20 hp	350	20	10/3.2	70184623185
	< 20 hp	350	25.4	10/3.2	70184623186
	< 20 hp	400	25.4	10/3.2	70184628159
	< 20 hp	450	25.4	10/3.2	70184628160
	< 20 hp	500	25.4	10/3.8	70184611979
	< 20 hp	600	25.4	7/3.8	70184611980

Formerly Super Asphalt Evo



CLASSIC ASPHALT



LASER

- Laser welded diamond segments make this blade suitable for wet or dry cutting of asphalt, asphalt over concrete, green concrete, abrasive materials and concrete roof tiles
- Its versatility and price to performance ratio, make this blade excellent value for money

MACHINES	POWER	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	< 20 hp	300	20	10/2.5	70184626876
	< 20 hp	300	25.4	10/2.5	70184626877
	< 20 hp	350	20	10/2.8	70184626878
	< 20 hp	350	25.4	10/2.8	70184626879
	< 20 hp	400	20	10/3.2	70184645242
	< 20 hp	400	25.4	10/3.2	70184626880
	< 20 hp	450	25.4	10/3.2	70184626881
	< 20 hp	500*	25.4	10/3.2	70184601944
	< 20 hp	600*	25.4	10/3.2	70184601945

* 500-600mm with undercutting protection segments





BLADES FOR GREEN CONCRETE FOR FLOOR SAWS

EXTREME GREEN CONCRETE



LASER HD

- 14mm high laser welded segments for longer life
- For use on green concrete, lignacite and tarmac top blocks for machines up to 25 hp
- Wear protection segments to prevent under-cutting of the steel core

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	300	25.4	14/3	70184602877
	350	25.4	14/3	70184602876
	400	25.4	14/3.3	70184603117



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.
	300	25.4	10/2.5	70184624684
	350	25.4	10/2.8	70184624685

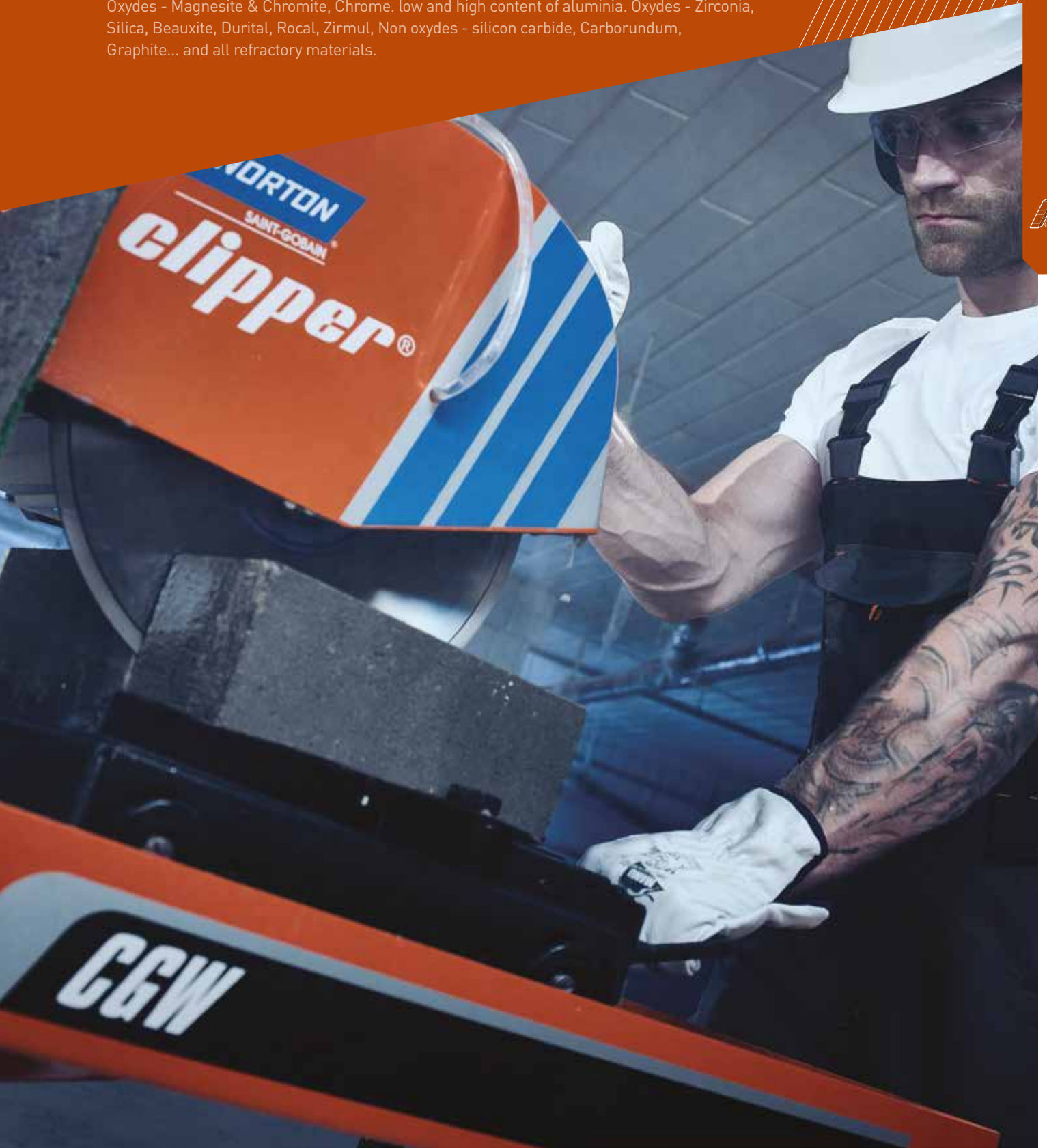
Formerly M45 Evo



DIAMOND BLADES FOR

REFRACTORY MATERIALS

Discover our blades especially designed for cutting of: 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 specialising 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	PRO ZDM200	PRO 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 ALUMINA (AL ₂ O ₃ 25-70%)								
Fireclay			•			•	•	
HIGH CONTENT ALUMINA (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.
	350	25.4	Standard	10/2.8	70184626203*
	400	25.4	Standard	10/3.2	70184626204*
	400	25.4	Silencio	10/3.2	70184602467
	450	25.4	Standard	10/3.8	70184626205*
	500	25.4	Standard	10/3.8	70184626206
	600	25.4	Standard	10/3.8	70184626586*
	650	60/25.4	Silencio	10/3.8	70184646191

* Available on request



EXTREME RC465



LASER

- Laser-welded diamond blade with key-hole geometry

- For use on oxides - Dolomite, Tar and Magnesite

MACHINES	Ø (mm)	BORE (mm)	STEEL TYPE	SEGMENT H/W (mm)	ITEM No.
	350	25.4	Standard	10/3.2	70184645262
	350	25.4	Silencio	10/3.2	70184640519
	400	25.4	Standard	10/3.2	70184626316*
	450	25.4	Standard	10/3.8	70184626317*
	450	25.4	Silencio	10/3.8	70184630620
	500	25.4	Standard	10/3.8	70184626318
	600	25.4	Standard	10/3.8	70184626319*
	650	25.4	Standard	10/3.8	70184629314*

* Available on request



EXTREME RC525



LASER

- Laser-welded diamond blade with key-hole geometry

- For use on oxides - Magnesite and Chromite, Chrome. Low Content Alumina < 70%

MACHINES	Ø (mm)	BORE (mm)	STEEL TYPE	SEGMENT H/W (mm)	ITEM No.
	350	25.4	Standard	10/2.8	70184626284
	400	25.4	Standard	12/3.2	70184628207
	450	25.4	Standard	12/3.8	70184626282*
	450	25.4	Silencio	12/3.8	70184629538
	500	25.4	Silencio	12/3.8	70184641533
	500	25.4	Standard	12/3.8	70184626283*
	600	25.4	Standard	12/3.8	70184626706*

* Available on request





BLADES FOR REFRACTORY MATERIALS FOR MASONRY SAWS

EXTREME RC540



***LASER**

- Laser-welded diamond blade with wide-gullet geometry
- For use on-oxides - zirconia, silica. High content alumina >70% - mullite

MACHINES	Ø (mm)	BORE (mm)	STEEL TYPE	SEGMENT H/W (mm)	ITEM No.
	350	25.4	Standard	10/2.8	70184626285
	350	25.4	Silencio	10/3.2	70184629947
	400	25.4	Standard	10/3.2	70184626286*
	450	25.4	Standard	10/3.8	70184626287
	500	25.4	Standard	10/3.8	70184626288
	500	25.4	Silencio	10/3.8	70184626693
	600	25.4	Standard	10/3.8	70184626707*

* Available on request



EXTREME RC575



***LASER**

- Laser-welded diamond blade with wide-gullet geometry
- For use on non oxides - silicon carbide, Carborundum, Graphite

MACHINES	Ø (mm)	BORE (mm)	STEEL TYPE	SEGMENT H/W (mm)	ITEM No.
	350	25.4	Standard	10/2.8	70184626320*
	400	25.4	Standard	10/3.2	70184626321*
	450	25.4	Standard	10/3.8	70184626322*
	450	25.4	Silencio	10/3.8	70184647831
	500	25.4	Silencio	10/3.8	70184631081
	500	25.4	Standard	10/3.8	70184626323*
	600	25.4	Standard	10/3.8	70184626324*

* 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
- For use on concrete, reinforced concrete, concrete slabs, refractory blocks containing aluminium oxides
- High performance blade, designed for concrete and medium to hard refractory materials

MACHINES	Ø (mm)	BORE (mm)	SEGMENT H/W (mm)	ITEM No.
	350	25.4	10/2.8	70184627061
	400	25.4	10/3.2	70184627062
	450	25.4	10/3.2	70184627063
	500	25.4	10/3.8	70184627064
	600	25.4	10/4.0	70184627065



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.
	350	25.4	7/2.4	70184610238
	450	25.4	7/3.2	70184610239
	500	25.4	7/3.2	70184610240*



* Available on request

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.
	350	25.4	7/2.4	70184610284
	450	25.4	7/3.2	70184610285
	500	25.4	7/3.2	70184610286



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.





CORE BITS FOR CONCRETE

PRO CB BETON CROWNED



- **Useful length:** 300mm
- **Connection:** 1/2" male thread
- **Applications:** for concrete and masonry walls
- Professional, brazed crownbit for small diameter wet-drilling jobs
- Brazed crownbit for wet drilling

OD / ID* (mm)	CROWN W / H (mm)	No. SEGMENTS	ITEM No.
14/10	7/2.0	1 Crown	70184612947
16/12	7/2.0	1 Crown	70184612823
18/14	7/2.0	1 Crown	70184612824
20/16	7/2.0	1 Crown	70184612825
22/18	7/2.0	1 Crown	70184612826
25/21	7/2.0	1 Crown	70184612827
28/24	7/2.0	1 Crown	70184612828
30/26	7/2.0	1 Crown	70184612829
32/28	7/2.0	1 Crown	70184612830
35/31	7/2.0	1 Crown	70184612831
38/34	7/2.0	1 Crown	70184612833
40/36	7/2.0	1 Crown	70184612834
51/47	7/2.0	1 Crown	70184612835

* 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 reinforced concrete, brick and masonry walls
- Lightweight 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.
52/47	24/2.6/10	4	70184641409
62/57	24/2.6/10	4	70184641410
72/67	24/2.6/10	5	70184641411
82/77	24/2.6/10	6	70184641412
92/87	24/2.6/10	7	70184641413
102/97	24/2.6/10	8	70184641415
112/107	24/2.6/10	8	70184641416
122/117	24/2.6/10	9	70184641417
132/127	24/2.6/10	9	70184641419

* OD / ID: Outer Diameter / Inner Diameter.





PRO CB BETON



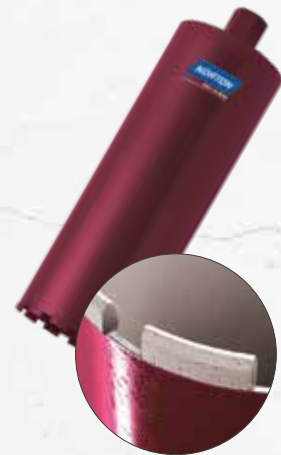
LASER

- **Useful length:** 450mm
- **Connection:** 1 1/4" UNC female thread
- **Applications:** concrete and reinforced concrete, masonry blocks. Also suitable for asphalt and 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.
52/45	24/3.5/10	4	70184624870
57/50	24/3.5/10	4	70184624871
62/55	24/3.5/10	5	70184624872
67/60	24/3.5/10	5	70184624873
72/65	24/3.5/10	5	70184624874
77/70	24/3.5/10	6	70184624875
82/75	24/3.5/10	6	70184624876
87/80	24/3.5/10	6	70184624878
92/85	24/3.5/10	7	70184624879
102/95	24/3.5/10	8	70184624880
107/100	24/3.5/10	8	70184624881
112/105	24/3.5/10	8	70184624882
122/114	24/4.0/10	9	70184624883
127/119	24/4.0/10	9	70184624884
132/124	24/4.0/10	9	70184624885
142/134	24/4.0/10	10	70184624886
152/144	24/4.0/10	11	70184624887
162/154	24/4.0/10	11	70184624888
172/164	24/4.0/10	12	70184624889
182/174	24/4.0/10	12	70184624890
202/194	24/4.0/10	14	70184624892
212/203	24/4.5/10	14	70184624893**
227/218	24/4.5/10	15	70184624894
252/243	24/4.5/10	16	70184624895
272/263	24/4.5/10	18	70184624896**
300/290	24/5.0/10	19	70184624897
350/340	24/5.0/10	21	70184624900
400/390	24/5.0/10	24	70184624901

* OD / ID: Outer Diameter / Inner Diameter.

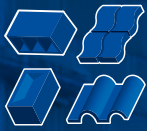
** Available on request



DRILLING CORE BITS FOR UNIVERSAL BUILDING MATERIALS

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





CORE BITS FOR UNIVERSAL BUILDING MATERIALS

PRO CB UNIVERSAL



- **Useful length:** 150mm
- **Connection:** 1/2" BSP female
- High performance dry core bit
- Faster drilling speed than Classic CB Universal range

OD* (mm)	CORE LENGTH (mm)	No. SEGMENTS	ITEM No.
38	152	3	70184640160
48	150	3	70184694047
52	150	3	70184640161
65	150	3	70184640162
78	150	4	70184640163
91	150	5	70184694048
107	150	5	70184640164
117	150	6	70184640165
127	150	7	70184640166
152	150	8	70184640167

* OD: Outer Diameter

Formerly Arid 7



CLASSIC CB UNIVERSAL



- **Useful length:** 150mm (300mm for diam 28mm)
- **Connection:** 1/2" BSP female
- Conical connection shape improves the mounting of the corebit. A better mount reduces vibration when in use and makes the core bit safer to use
- Optimised for the best balance between drilling speed, product life and comfort

DIA (mm)	No. SEGMENTS	SEG HEIGHT (mm)	ITEM No.
28	2	7	70184620351
38	3	7	70184620352
52	3	7	70184620353
65	3	7	70184640268
78	4	7	70184620354
107	5	7	70184620355
117	6	7	70184620356
127	7	7	70184620357
128	7	7	70184620358

Formerly Arid 5



DRILLING CORE BITS FOR NATURAL STONE & TILES

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





CORE BITS FOR NATURAL STONE & CERAMIC TILES

EXTREME VB DRY



- **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.
6 x M14	70184647338
8 x M14	70184647339
10 x M14	70184647340
12 x M14	70184647341
14 x M14	70184602901
18 x M14	70184602902
20 x M14	70184645760
28 x M14	70184645761
30 x M14	70184602903
32 x M14	70184602904
35 x M14	70184645762
40 x M14	70184602905
45 x M14	70184645763
50 x M14	70184694357
55 x M14	70184646255
60 x M14	70184602906
65 x M14	70184602907
68 x M14	70184645764
70 x M14	70184602908
75 x M14	70184602909
82 x M14	70184645765
102 x M14	70184602119
107 x M14	70184602120
132 x M14	70184602121
Suitcase pack containing dia. 20, 28, 35, 50, 68mm + mounting wrench	70184694328
Suitcase pack containing dia. 6/8/10/12/35/45/68 + centering device	70184694419
Suitcase pack containing dia. 20, 35, 40, 68mm + mounting wrench (only EN and DE languages)	70184601112

* OD: Outer Diameter





CLASSIC VB DRY



- **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.
6	310305776
8	310305777
10	310305778
12	310305780
14	310305792
28	310305793
35	310305794
45	310316728
68	310316729
82	310316730
3-Pack 6/8/10	310301580
Vacuum absorption centering tool 6/8/10/12	310074148**

* OD: Outer Diameter

** Available on request



ACCESSORIES

DESCRIPTION	ITEM No.
Centering device for small diameters up to 28mm	310491177
Centering device for diameters up to 90mm	70184645766
M14-Hex adaptor	310464939

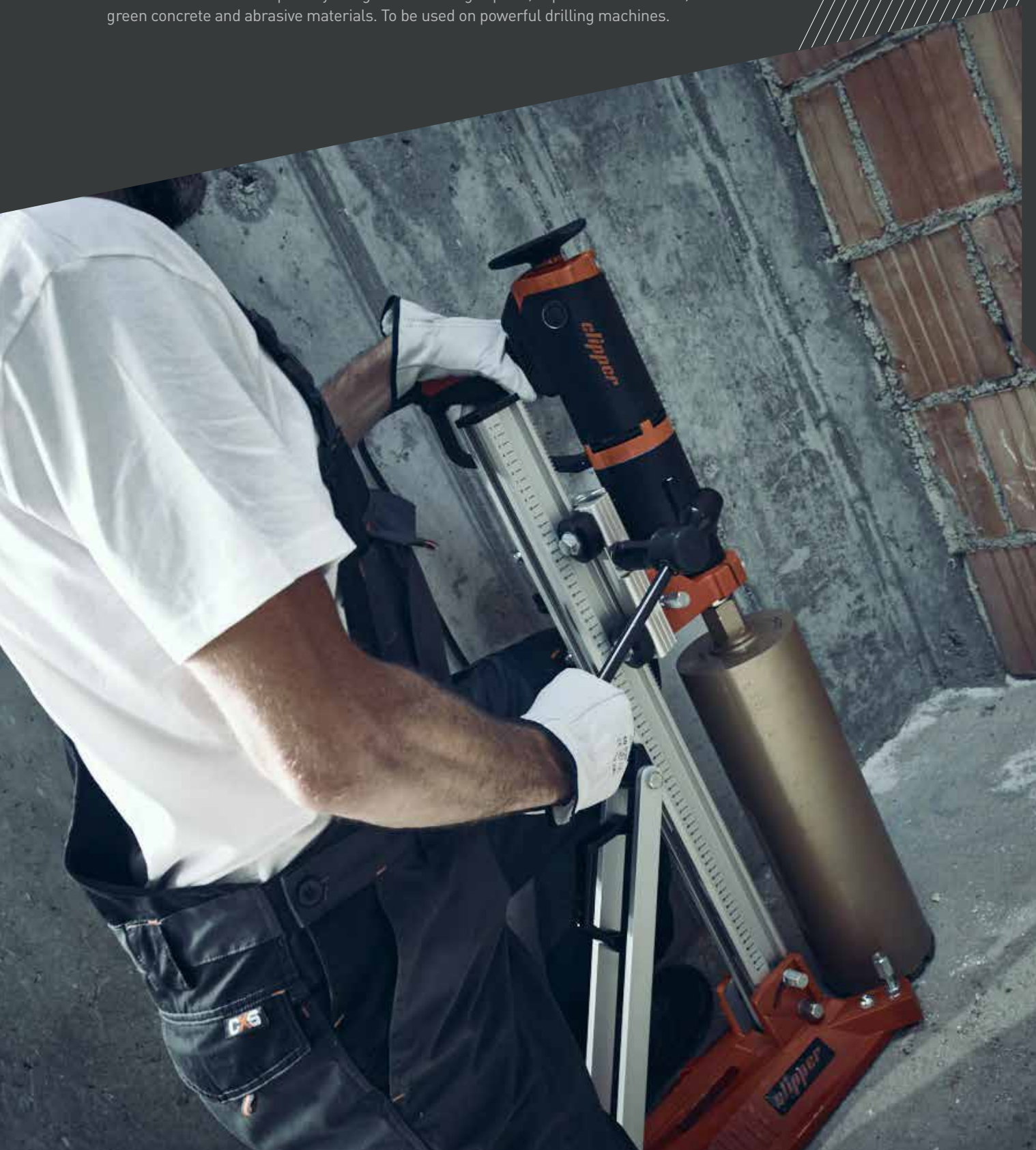


ACCESSORIES



DRILLING CORE BITS FOR ASPHALT & ABRASIVE MATERIALS

Discover our core bits especially designed for drilling asphalt, asphalt over concrete, green concrete and 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
- High performance, laser welded core bit ideal for abrasive materials and powerful machines
- Featuring fluted segments which provide speed and extended product life

OD / ID* (mm)	No. SEGMENTS	SEGMENT L / W / H (mm)	ITEM No.
45/37	4	3.8x12x24	70184640578**
48/41	4	3.8x12x24	70184630755**
57/49	5	3.8x12x24	70184640579**
67/59	5	3.8x12x24	70184630759**
77/69	6	3.8x12x24	70184630762**
102/94	8	3.8x12x24	70184630769**
107/99	9	3.8x12x24	70184630771**
112/104	9	3.8x12x24	70184630772**
127/119	10	4.2x12x24	70184630774**
152/144	11	4.2x12x24	70184630776**
162/154	12	4.2x12x24	70184630777**
178/170	13	4.2x12x24	70184630778**
187/179	14	4.2x12x24	70184630779**
202/193	14	4.5x12x24	70184630780**
212/203	15	4.5x12x24	70184630781**
250/241	16	4.5x12x24	70184630783**



* OD / ID: Outer Diameter / Inner Diameter.

Formerly X5 ** Available on request

NORTON

SAINT-GOBAIN

clipper

TILE SAWS

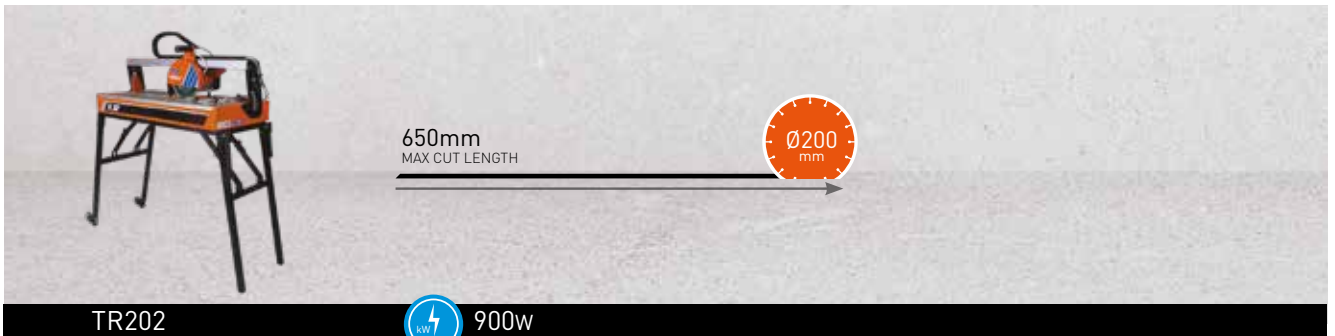
Norton Clipper tile saws are designed for a wide variety of ceramic tiles.
For the best results, combine them with a Norton Clipper diamond blade.



TILE TABLE SAW



TILE RAIL SAW



TT180 BM

- Removable plastic water tray for easy cleaning after use
- 0° to 45° tilting table helps the operator achieve the perfect mitre cut
- The lightweight construction and hardwearing accompanying case, makes this tile saw protected, easy to move, handle and store
- Ø 180mm Classic Ceramic supplied with every TT180 BM



PRODUCT DATA

Item No. (UK)	70184626958	Supply Voltage	230V 1~	Tilting table	0 - 45°
		Power	550W (0.75 hp)	Max. cutting depth at 90° / at 45°	12mm / 8mm
		Fuse/Generator	16A / 2 kVA	Max. cutting length	-
		Blade x bore	Ø 180 x 25.4mm	Table size	395 x 385mm
		Dimensions (LxWxH)	440 x 390 x 230mm	Tool speed RPM	2990 min ⁻¹
		Packaging size	480 x 460 x 240mm	Hand Arm Vibrations	< 2.5 m/s ²
		Weight	14kg	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.	70184626828
Page reference	60

TT200 EM

- 0° to 45° tilting table helps the operator achieve the perfect mitre cut
- A powerful 800W motor and precise locking cutting guide, delivers a fast and accurate cut
- Delivered in a strong plastic case to help protect, store and transport the machine
- Ø 200mm Classic Ceramic Diamond Blade supplied with every TT200 EM



PRODUCT DATA

Item No. (UK)	70184626963	Supply Voltage	230V 1~	Tilting table	0 - 45°
		Power	800W (1.1 hp)	Max. cutting depth at 90° / at 45°	12mm / 8mm
		Fuse/Generator	16A / 2 kVA	Max. cutting length	-
		Blade x bore	Ø 200 x 25.4mm	Table size	460 x 360mm
		Dimensions (LxWxH)	510 x 400 x 230mm	Tool speed RPM	2950 min ⁻¹
		Packaging size	560 x 500 x 270mm	Hand Arm Vibrations	< 2.5 m/s ²
		Weight	12kg	Sound power / pressure level	80 dB (A) / 72 dB (A)



800w



230v

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	60

TT251

- The 1000W motor delivers powerful performance
- Stainless steel 0° to 45° tilting table is robust, hardwearing, and helps the operator achieve the perfect mitre cut every time
- Removable water tank speeds up blade changes and makes cleaning up after use easy
- Ø 250mm Classic Ceramic supplied with every TT251



PRODUCT DATA

Item No.	70184602663	Supply Voltage	110V 1~	Tilting table	0 - 45°
		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



110v

PRODUCT FEATURES



TILTING STAINLESS STEEL TABLE TOP. POSSIBILITY FOR BEVEL CUTS 0-45°



GALVANISED AND REMOVABLE WATERPAN. EASY BLADE MOUNTING



LOCKABLE CUTTING GUIDE ON BOTH SIDES



HANDLES FOR TRANSPORTATION

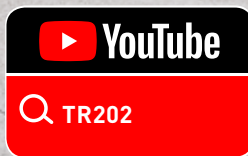
DIAMOND BLADE WITH MACHINE FOR TT251



Substrate / Material	CERAMIC
Recommended Product	CLASSIC CERAMIC
Blade x bore	250 x 25.4mm
Item No.	70184626831
Page reference	60

TR202

- Professional machine with a powerful 900W motor, for fast and effective cutting performance
- Heavy duty rail and tilting cutting head is ideal for cutting long tiles and for making precise cuts
- The machine is easily stored and manoeuvred with the incorporated folding legs and transport wheels
- Removable plastic water tray and drain plug makes cleaning and draining after use, hassle-free
- Ø 200mm Extreme Ceramic Turbo Diamond Blade supplied with every TR202



PRODUCT DATA

Item No.	70184601108	Supply Voltage	230V 1~	Tilting head	0 - 45°
		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

Ø200
mm

PRODUCT FEATURES



TILTING HEAD (0 TO 45°)



REMOVABLE WATER TRAY



TRANSPORT WHEELS



CUTTING GUIDE

DIAMOND BLADE WITH MACHINE FOR TR202



Substrate / Material	CERAMIC
Recommended Product	EXTREME CERAMIC TURBO
Blade x bore	200 x 25.4mm
Item No.	70184625427
Page reference	58

TR232 S



- Heavy duty guiding rail and tilting head facilitates precise cuts
- Built-in side extension accommodates large or wide materials
- Foldable handles, legs and transport wheels make moving and storing the machine simple
- The cutting table is easy to remove, which provides easy access to the water tray when cleaning
- Ø 230mm Extreme Ceramic Turbo Diamond Blade supplied with every TR232 S

PRODUCT DATA

Item No.	70184601105	Supply Voltage / Power	230V 1~ / 1.1kW	Max. cutting depth at 90° / at 45°	15mm / 10mm
		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)



1100w



230v

860mm
MAX CUT LENGTH



PRODUCT FEATURES



CUTTING GUIDE WITH ANGULAR SETTING



TILTING HEAD (0 TO 45°)

DIAMOND BLADE WITH MACHINE FOR TR232 S



Substrate / Material	CERAMIC
Recommended Product	EXTREME CERAMIC TURBO
Blade x bore	230 x 25.4mm
Item No.	70184627653
Page reference	58

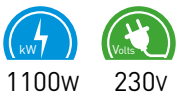
TR232 L

- Heavy duty guiding rail and tilting head facilitates precise cuts
- Built-in side extension accommodates large or wide materials
- Foldable handles, legs and transport wheels make moving and storing the machine simple
- The cutting table is easy to remove, which provides easy access to the water tray when cleaning
- Rubber coated table and clamps keep the cutting material steady and secure
- Ø 230mm Extreme Ceramic Turbo Diamond Blade supplied with every TR232 L



PRODUCT DATA

Item No.	70184601105	Supply Voltage / Power	230V 1~ / 1.1kW	Max. cutting depth at 90° / at 45°	15mm / 10mm
		Fuse/Generator	16A / 3 kVA	Max. cutting length	1200mm
		Blade x bore	Ø 230 x 25.4mm	Table size	1200 x 565mm
		Dimensions (LxWxH)	1860 x 600 x 1175mm	Tool speed RPM	2950 min ⁻¹
		Tilting head	0 - 45°	Hand Arm Vibrations	< 2.5 m/s ²
		Weight	72kg	Sound power / pressure level	71 dB (A) / 79 dB (A)



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.	70184627653
Page reference	58

TILE SAW SPARE PARTS & ACCESSORIES



TR202

DESCRIPTION	ITEM No.
1 - Flange kit and nut	510100630
Switch 230V	310479885
2 - Water pump 230V	310365204

TR232 S & TR232 L

DESCRIPTION	ITEM No.
Flange kit and nut	510100973
Switch 230V	310340138
2 - Water pump 230V	310365204



NORTON

SAINT-GOBAIN

clipper

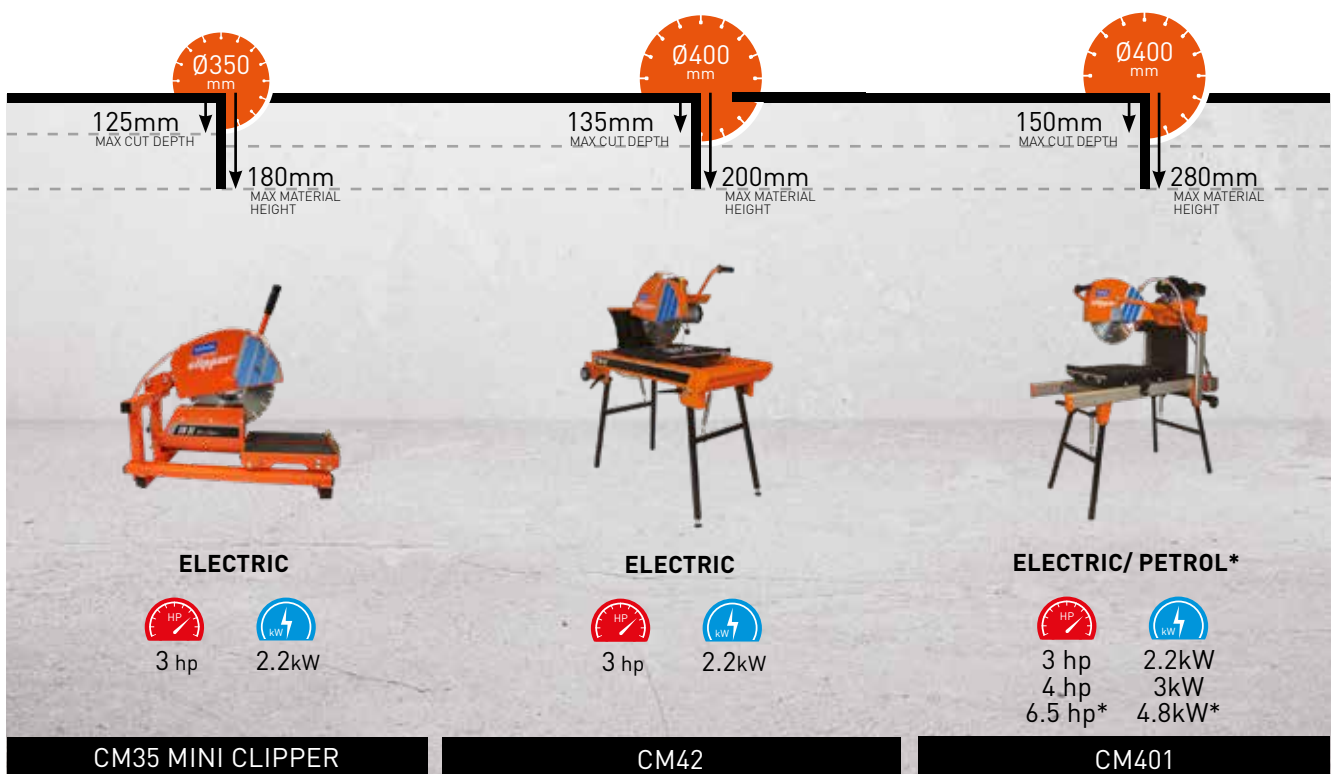
MASONRY SAWS

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 optimal results.









MASONRY SAWS



MASONRY SAWS

 <p>Ø350 mm 110mm MAX CUT DEPTH 130/195mm** MAX MATERIAL HEIGHT</p>	 <p>Ø350 mm 110mm MAX CUT DEPTH 130mm MAX MATERIAL HEIGHT</p>	 <p>Ø600 mm 245mm MAX CUT DEPTH 355mm MAX MATERIAL HEIGHT</p>	 <p>Ø500 mm 190mm MAX CUT DEPTH 355mm MAX MATERIAL HEIGHT</p>
<p>ELECTRIC</p> <p>3 hp / 4 hp 2.2kW / 3kW</p>	<p>ELECTRIC</p> <p>3 hp / 2.2kW</p>	<p>ELECTRIC / PETROL*</p> <p>5.5 hp / 6.5 hp* 4.0kW / 4.8kW*</p>	<p>ELECTRIC</p> <p>7,5HP / 5,5kW</p>
CST100/120/150**	CST100/120 ALU	CM501	ISM/ISC

 <p>Ø650 mm 265mm MAX CUT DEPTH 280mm MAX MATERIAL HEIGHT</p>	 <p>Ø900/1000** mm 370/420** mm MAX CUT DEPTH 440mm MAX MATERIAL HEIGHT</p>	 <p>Ø900/1000 mm 370/420mm MAX CUT DEPTH 440mm MAX MATERIAL HEIGHT</p>	 <p>Ø1000 mm 650mm MAX CUT DEPTH 650mm MAX MATERIAL HEIGHT</p>
<p>ELECTRIC</p> <p>3 hp / 7.5 hp 2.2kW / 5.5kW</p>	<p>ELECTRIC / PETROL*</p> <p>10 hp / 13 hp* 7.5kW / 9.6kW*</p>	<p>ELECTRIC</p> <p>10 hp / 7.5kW</p>	<p>ELECTRIC</p> <p>10 hp / 7.5kW</p>
JUMBO 651	JUMBO 900/1000**	CM 1000 JUMBO	CMV 1000 VERTO

CM35 MINI CLIPPER



- Ergonomically designed to fit into small spaces
- Pendular cutting head that allows efficient step cutting and a longer blade life
- Dust extraction port facilitates a cleaner cutting process, making it ideal for indoor working
- Adjustable legs make the machine more stable and improves operator comfort
- Makes cutting building materials easier and more efficient, as operators no longer have to stand or hold heavy cut-off saws for prolonged periods



PRODUCT DATA

Item No.	70184607578	Supply Voltage/ Power	110V 1- / 2.2kW
		Blade x bore	Ø 350 x 25.4mm
		Tool speed RPM	2800 min ⁻¹
		Dimensions (LxWxH)	730 x 286 x 282mm
		Weight	40kg
		Max. cutting depth	125mm
		Max. cutting length	340mm
		Max. material height	180mm
		Fuse/Generator	16A / 6 kVA



PRODUCT FEATURES



MAX CUT DEPTH



ERGONOMIC AND COMPACT MACHINE



PENDULAR CUTTING HEAD



DUST EXTRACTION PORT Ø 40mm





DIAMOND BLADE RECOMMENDATIONS FOR CM35 Mini Clipper

Substrate / Material	UNIVERSAL	SILENCIO	UNIVERSAL	NATURAL STONE
Recommended Product	EXTREME UNIVERSAL LASER	EXTREME UNIVERSAL SILENCIO	EXTREME UNIVERSAL TURBO	EXTREME GRANITE
Diameter x bore	350 x 25.4mm	350 x 25.4mm	350 x 25.4mm	350 x 25.4mm
Item No.	70184612283	70184628998	70184611561	70184603311
Page reference	43	42	40	62

CM42 COMPACT

- Wide conveyor cart and long reinforced frame allows the operator to cut a 60 x 60cm slab in two 30cm halves
- Wide conveyor cart with tilted wheels, anti-pivoting and locking system provides great stability and durability
- Highly accurate cutting guide with per-degree angular setting, facilitates quick, precise and easy cutting without additional accessories






 3 hp 2.2kW 230V
 CM42 30-1-230V 




 2 hp 1.5kW 110V
 CM42 30-1-110V 

Item No.	70184647989*	70184647990
Supply Voltage/ Power	230V 1~ / 2.2kW (3 hp)	110V 1~ / 1.8kW (2 hp)
Fuse Generator	16A / 6 kVA	16A / 6 kVA
Blade x bore	Ø 400 x 25.4mm	Ø 400 x 25.4mm
Tool speed RPM	2800 min ⁻¹	2800 min ⁻¹
Tilting table	Optional - Item No. 510109260	Optional - Item No. 510109260
Max. cutting depth	135mm	135mm
Max. cutting length	780mm	780mm
Max. material height	200mm	200mm
Table size	500 x 540mm	500 x 540mm
Hand Arm Vibrations	< 2.5 m/s ²	< 2.5 m/s ²
Sound power / pressure level	92 dB (A) / 80 dB (A)	92 dB (A) / 80 dB (A)
Dimensions (LxWxH)	1187 x 620 x 1360mm	1187 x 620 x 1360mm
Dimensions (folded legs)	1187 x 620 x 740mm	1187 x 620 x 740mm
Weight	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.	70184627062	70184640270	70184611438	70184602095
Page reference	35	42	43	54

CST 100/120/150

- A combination of robust construction and strong chrome-plated guiding bars give the CST range significant durability
- The tilting and plunging head allows angled cuts of up to 45° and adjustable cutting depth
- A side extension table increases the width of the table from 660mm to 1110mm; accommodating larger cutting material



ADJUSTABLE GUIDE ANGLE



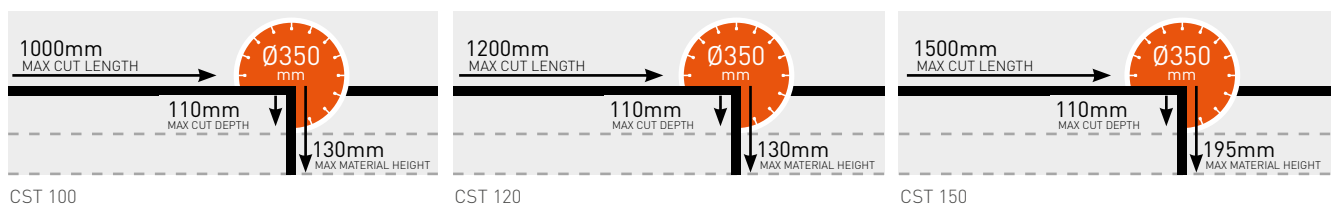
SIDE EXTENSION TABLE



	CST100	CST120	CST150
Item No.	70184613982	70184613892	70184614026
Supply Voltage/Power	400V 3~/ 3kW (4 hp)	400V 3~/ 3kW (4 hp)	400V 3~/ 3kW (4 hp)
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 100/120 ALUMINUM

- Made with aluminium parts, the CST 100 and CST 120 Alu machines are hardwearing yet lightweight for maximum manoeuvrability
- Strong chrome-plated guiding bars and tilting rail allows highly precise cuts of up to 45°
- Rubber layered, anti-slip table stabilises the cutting material to prevent slipping
- Incorporated side extension (450 x 300mm) increases the table width up to 960mm





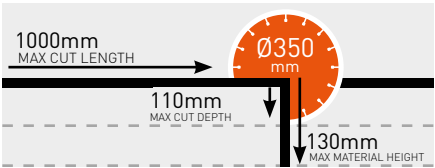

 2.4 hp 1.8kW 115V
 CST100 ALU 



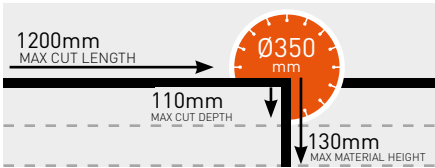

 2.4 hp 1.8kW 115V
 CST120 ALU 

Item No.	70184602124	70184602125
Supply Voltage/ Power	115V 1~/ 1.8kW (2.4 hp)	115V 1~/ 1.8kW (2.4 hp)
Fuse (Generator)	16A / 6kVA	16A / 6kVA
Blade x bore	Ø 350x25.4mm	Ø 350x25.4mm
Tool speed RPM	2800 min ⁻¹	2800 min ⁻¹
Max. cutting depth	110mm	110mm
Max. cutting length	1000mm	1200mm
Max. material height	130mm	130mm
Table size	1120mm	1310mm
Hand Arm Vibrations	< 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)
Dimensions (LxWxH)	1530 x 660 x 1350mm	1630 x 660 x 1350mm
Dimensions (without legs)	1530 x 660 x 880mm	1630 x 660 x 880mm
Weight	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



CM401

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



PRODUCT DATA

PRODUCT DATA

Item No	701846 27017	Engine type	Petrol / HONDA GX200
		Supply Voltage/ Power kW	4,8kW (6,5Hp)
		Fuse Generator	-
		Blade x bore (mm)	Ø400 x 25,4
		Tool speed RPM	2 650 min-1
		Max. cutting depth (mm)	150
		Max. cutting length (mm)	600
		Max. material height (mm)	280
		Table size (mm)	500 x 600
		Hand Arm Vibrations	< 2,5 m/s ²
		Sound power / pressure level	105 dB (A) / 93 dB (A)
		Dimensions (LxWxH) (mm)	1380 x 660 x 1510
		Dimensions (folded legs) (mm)	1380 x 660 x 920
		Weight	118kg



PRODUCT FEATURES



MAX CUT DEPTH



MECHANICAL WATER PUMP



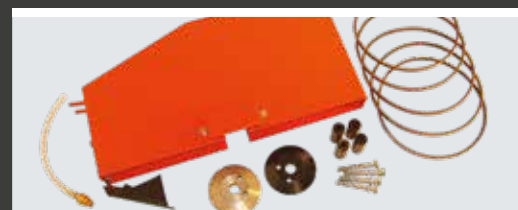
ALUMINIUM PROFILE



EASY TRANSPORT

NATURAL STONE	ALL MATERIALS
PRO GRANITE TURBO	PRO 4X4 EXPLORER
400 x 25,4	400 x 25,4
701846 26533	701846 02095
42	36

SPARE PARTS FOR ALL MACHINES
AVAILABLE ON **PAGE 103** OR VIA
OUR WEBSITE www.nortonabrasives.com








CM501 MAJOR

- Conveyor cart with a stable, anti-slip table surface that enables the operator to deliver an accurate cut
- Accessible water pump for easy maintenance
- Double lifting rails assist with movement with a forklift
- Blade adjustment crank maintains an accurate and consistent blade depth







 CM501 3,55,3




 CM501 3,60.P



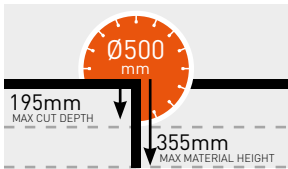

 CM601 5,55,3

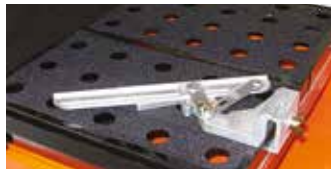
 CM501 3-20-1

Item No.	70184627018	70184627020	70184607577	70184628235
Engine type	Electric	Petrol - Honda GX200	Electric	Electric
Supply Voltage/ Power	400V / 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 600x25.4mm	Ø 500x25.4mm
Tool speed RPM	1900 min ⁻¹	2200 min ⁻¹	1900 min ⁻¹	1900 min ⁻¹
Max. cutting depth at 90° / 45°	195mm	195mm	245mm	195mm
Max. cutting length	500mm	500mm	500mm	500mm
Max. material height	355mm	355mm	355mm	355mm
Table size	580 x 420mm	580 x 420mm	580 x 420mm	580 x 420mm
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	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 1700mm	1480 x 610 x 1550mm	1480 x 610 x 1550mm
Weight	165kg	165kg	168kg	165kg
Fuse generator	6A/10kVA	16A/10kVA	16A/10kVA	28A/6.6kVA

PRODUCT FEATURES



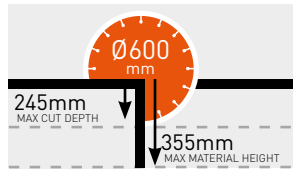
MAX CUT DEPTH - Ø500



CUTTING GUIDE



FRICTION RESISTANT TILTED ROLLERS



MAX CUT DEPTH - Ø600

DIAMOND BLADE RECOMMENDATIONS FOR CM501 & CM601



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.	70184627064	70184630309	70184611440	SEE RECOMMENDATION TABLE PAGE 70	70184602097
Ø600mm Item No.	70184627065	-	-		-
Page reference	35	42	43		54

ISM/ISC SUPER*

- Wet cutting enabled by the optional water supply connector
- Extended operating handle for optimal cutting pressure
- Crank controlled cutting depth adjuster for maximum accuracy
- Cutting head height operated by a foot pedal and handle (ISM) giving the operator great control over their cut



* available on Request

ISM

Item No. 70184613985



7.5 hp



5.5kW



400V

Supply Voltage/ Power	400V 3~ / 5.5kW [7.5 hp]
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

Item No. 70184613986



7.5 hp



5.5kW



400V

Supply Voltage/ Power	400V 3~ / 5.5kW [7.5 hp]
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 - 70184630309



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>ISC UP TO 750mm</p>	<p>Tilting table 0 to 45° ISM: 310004702 ISC: 310004539</p> <p>Flat conveyor cart ISM: 310004704 ISC: 310004703</p>	<p>Water distribution kit 310004732</p>	<p>Hood 310004552</p> <p>Dust extractor bag type 310004544</p> <p>+</p> <p>OR</p> <p>Dust extractor cabinet type 310004536</p>

JUMBO 651



- Heavy duty construction with four wheels, allowing ease of movement around the work site. Two lockable wheels secure the machine while in use; stabilising the cutting material and enabling a more accurate cut
- Easy to access blade reduces machine downtime when it is being changed over



7.5 hp 5.5kW 400v

JUMBO 651

Item No.	70184614005
Engine type	Electric
Supply Voltage/ Power	400V 3~/5.5kW (7.5 hp)
Fuse/ Generator	32 A /14kVA
Blade x bore	Ø 650 x 25.4mm
Tool speed RPM	1350 min ⁻¹
Max. cutting depth	265mm
Max. cutting length	500mm
Max. material height	280mm
Table size	600 x 500mm
Hand Arm Vibrations	< 2.5 m/s ²
Sound power / pressure level	100 dB (A) / 86 dB (A)
Dimensions (LxWxH)	1700 x 800 x 1480mm
Weight	212kg

PRODUCT FEATURES



MAX CUT DEPTH



HEAVY DUTY FRAME



TWO WHEELS WITH LOCKING DEVICE



TILTING TABLE - 310005275 (AVAILABLE ON REQUEST)

DIAMOND BLADE RECOMMENDATIONS



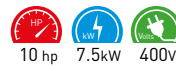
Machine	JUMBO 651	
Substrate / Material	SILENCIO	UNIVERSAL
Recommended Product	EXTREME UNI SILENCIO	PRO UNIVERSAL LASER
Diameter x bore	650 x 25.4mm	650 x 25.4mm
Item No.	70184694227	70184647265
Page reference	42	46

JUMBO 900/1000

- Heavy duty construction with four wheels, allowing ease of movement around the work site
- Graduated scale on an angle, which gives the operator greater visibility of the cutting guide position
- Curtain located in front of the blade reduces the amount of splash when the machine is in use
- Improved blade guard provides even easier access to the blade. This reduces the amount of machine downtime when the blade is being replaced



JUMBO 900 100-3-400V



JUMBO 1000 100-3-400V



JUMBO 1000 P13 EASY START

Item No.	70184613939	70184621669	70184629335
Engine type	Electric	Electric	Petrol / HONDA
Supply Voltage/ Power	400V-3 / 7.5kW (10 hp)	400V-3 / 7.5kW (10 hp)	GX390. 9.6kW (13 hp)
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



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.	70184694030	70184647651	70184694595	70184647263
Page reference	42	46	42	46



CM 1000 JUMBO

- Conveniently allows the use of 900mm and 1000mm diameter blades
- Strong and sturdy table supporting up to 350kg
- Plug and play water pump connection reduces maintenance time
- Emergency push button to stop the machine quickly
- Transport wheels, forklift sleeves and lifting eyelets facilitate transport around the work site

CM 1000 JUMBO

Item No.	70184607570	Supply voltage/Power kW (Hp)	400V ~3 /7.5 kW (10 hp)	Max cutting length	720mm
		Max blade x bore	Ø900/1000 x 60mm	RPM	928min ⁻¹
		Max material height	440mm	Weight	420kg
		Max cutting depth	370/420mm	Dimensions (mm)	2000 x 1080 x 1700mm



10 hp

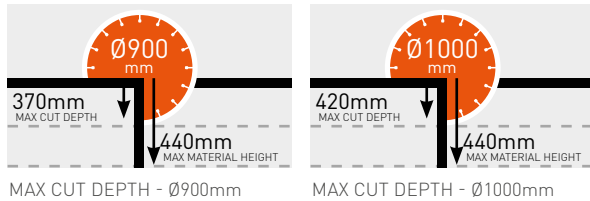


7.5kW



400V

PRODUCT FEATURES



FITS 900 & 1000mm
BLADE DIAMETERS



REINFORCED TABLE



EASY WATER PUMP
CONNECTION



EMERGENCY PUSH
BUTTON



TRANSPORT WHEELS

DIAMOND BLADE RECOMMENDATIONS FOR CM 1000 JUMBO

Substrate / Material	UNIVERSAL	UNIVERSAL	UNIVERSAL	GRANITE
Recommended Product	CLASSIC UNIVERSAL LASER	PRO UNIVERSAL LASER	EXTREME UNIVERSAL SILENCIO	EXTREME GRANITE
Diameter x bore	900 x 60mm	900 x 60mm	900 x 60/55mm	900 x 60mm
Item No.	70184647269	70184647266	70184694030	70184603313
Diameter x bore	1000 x 60mm	1000 x 60mm	1000 x 60/55mm	
Item No.	70184647650	70184647263	70184694595	
Page reference	46	46	42	62

CMV 1000 VERTO

- High performance cutting on blocks up to 650mm in height without flipping the material
- Central lifting eye and built in forklift sleeves (800 x 1200mm) for easy on site manoeuvrability
- Saw head permanently encapsulated to ensure user safety
- Laser engraved rule on the table helps the operator make a precise cut
- Hydraulic rolling table makes the material placement easier and quicker*
- Wheel kit enables easy movement around the work site*



* Only available on 70184603244 and 70184607717

Basic version

Item No. 70184603243



Machine with roller table and wheel kit

Item No. 70184603244

Machine with roller table

Item No. 70184607717

Supply voltage/Power kW (Hp) 400V ~3 /7.5 kW (10 hp)

Max blade x bore Ø1000 x 60mm

Max material height 650mm

Max cutting depth 650mm

Max cutting length 425mm

RPM 900min⁻¹

Weight 583kg

Dimensions (mm) 1200 x 800 x 1995mm

PRODUCT FEATURES



MAX CUT DEPTH



BUILT IN FORKLIFT SLEEVES



EMBEDDED HAND WHEEL ENSURING COMPACT DESIGN



TABLE WITHOUT ROLLER (70184603243)



HYDRAULIC ROLLER TABLE (70184603244 AND 70184607717)

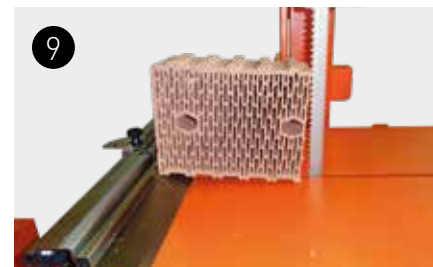
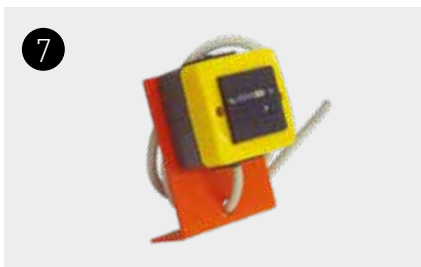
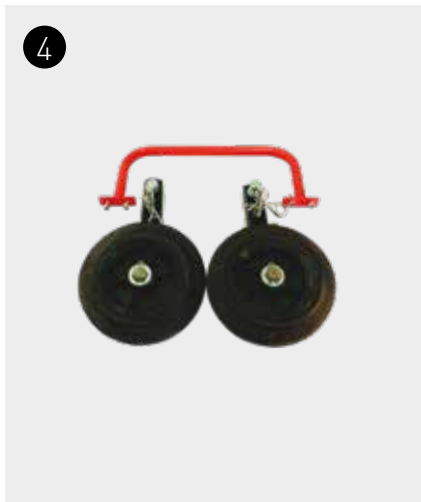


WHEEL KIT (70184603244)

DIAMOND BLADE RECOMMENDATIONS FOR CMV 1000 VERTO

Substrate / Material	UNIVERSAL	UNIVERSAL	UNIVERSAL	GRANITE
Recommended Product	CLASSIC UNIVERSAL LASER	PRO UNIVERSAL LASER	EXTREME UNIVERSAL SILENCIO	EXTREME GRANITE
Diameter x bore	1000 x 60mm	1000 x 60mm	1000 x 60/55mm	900 x 60mm
Item No.	70184647650	70184647263	70184694595	70184603313
Page reference	46	46	42	62

MASONRY SAW SPARE PARTS & ACCESSORIES



CM501

DESCRIPTION	ITEM No.
1 - Cutting guide 45°	310004537
2 - Tilting cart 0 to 45°	310004556
3 - Side extension	310004557*
4 - Transport accessory	310004609
5 - Hood	310004580
6 - Dust extraction bag type	310004544*
7 - Electric hour meter kit	310006307
Blade guard (blade shield compatible)	310005679
Blade shield	310004582**

* Available on request
 ** For use with blade guard 310005679

JUMBO 900 & 1000

DESCRIPTION	ITEM No.
8 - Cutting guide 0 to 45°	310004590

CM35 MINI CLIPPER

DESCRIPTION	ITEM No.
Wheels & handles kit	310523364

CM401

DESCRIPTION	ITEM No.
1 - Side extension	310007579

ISM

DESCRIPTION	ITEM No.
7 - Tilting table 0 to 45° for ISM	310004702
8 - Flat conveyor cart for ISM	310004704
9 - Water distribution kit	310004732
10 - Hood	310004552
11 - Dust extraction bag type	310004544*
Dust extraction cabinet type	310004536
Protection blade guard	510108157
Conveyor cart wheel (1x)	00310004284
Water pump	00310004300

* Available on request

ISC

DESCRIPTION	ITEM No.
7 - Tilting table 0 to 45° for ISC	310004539
8 - Flat conveyor cart for ISC	310004703
9 - Water distribution kit	310004732
10 - Hood	310004552
11 - Dust extraction bag type	310004544*
Dust extraction cabinet type	310004536
Protection blade guard	510108157
Conveyor cart wheel (1x)	00310004284
Water pump	00310004300

* Available on request

CMV 1000 VERTO

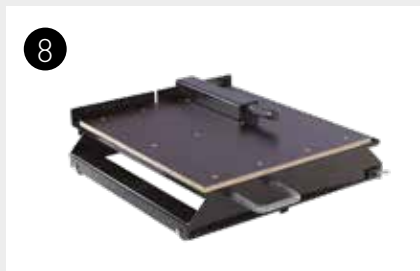
DESCRIPTION	ITEM No.
Hydraulic roller table kit	310518763
Transport wheels kit	310518762

CM42









DESCRIPTION	ITEM No.
UK Switch 110V	310005622
UK Water pump 110V	310459733
Table wheel (4x)	310004676

CST

DESCRIPTION	ITEM No.
5 - Lateral guide a cut (CST100)	310006280
5 - Lateral guide a cut (CST120-150)	310478996
4 - Side extension flat with leg 550x450mm	310479000
3 - Side extension roller 1000x500mm	310478999
Guide a cut	310479001
6 - Cutting guide 0° to 45°	310479002



HOW TO SELECT ISC AND ISM MASONRY SAWS AND ACCESSORIES

MAX. CUTTING LENGTH	FLAT OR MITRE CUT?	DRY OR WET CUTTING?	
		WET	DRY
ISM UP TO 500mm 	 Tilting table 0 to 45° ISM: 310004702 ISC: 310004539	 Water distribution kit 310004732	 Hood 310004552
ISC UP TO 750mm 	 Flat conveyor cart ISM: 310004704 ISC: 310004703		 + Dust extractor bag type 310004544 <hr style="border-top: 1px dashed orange;"/>  Dust extractor cabinet type 310004536



NORTON

SAINT-GOBAIN

clipper

FLOOR SAWS

The Norton Clipper floor saw range exists in a wide range of blade diameters, motorisations 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

<p>100/125*mm MAX CUT DEPTH</p> <p>5.4HP 4kW</p> <p>SPEEDY CART</p>	<p>125mm MAX CUT DEPTH</p> <p>6.5HP 4.8kW</p> <p>PETROL</p> <p>C51</p>	<p>170mm MAX CUT DEPTH</p> <p>13HP 9.6kW* 7HP* 5kW*</p> <p>PETROL / DIESEL*</p> <p>CS451</p>
--	--	--

PETROL / DIESEL

 <p>Ø500 mm</p>	 <p>Ø500 mm</p>	 <p>Ø600 mm</p>
190mm MAX CUT DEPTH	190mm MAX CUT DEPTH	225mm MAX CUT DEPTH
		
PETROL	DIESEL	PETROL
 13 hp  9.6kW	 13 hp  9.6kW	 20 hp  15kW
CS1		CSB1

ELECTRIC

 <p>Ø350 mm</p>	 <p>Ø450 mm</p>	 <p>Ø800 mm</p>
125mm MAX CUT DEPTH	170mm MAX CUT DEPTH	320mm MAX CUT DEPTH
		
		
400V 3~	400V 3~	400V 3~
 7.5 hp  5.5kW	 7.5 hp  5.5kW	 10 hp  7.5kW
CS451ET	CS451E	CS7,5

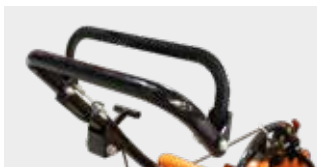
SPEEDY CART

- This Speedy cart transforms your handheld petrol saw into a floor saw for more flexibility
- Compact design allowing easy storage when not in use
- Rapid mounting and dismounting of the cut-off saw
- Designed for optimal comfort while cutting
- Easy to manoeuvre and ergonomic
- Multipurpose and flexible, it can be used with several brands and machine models (*with optional cart adapters)



DESCRIPTION	POWER	MAX Ø (mm)	MAX CUTTING DEPTH (mm)	DIMENSIONS (mm)	WEIGHT (kg)	ITEM NO.
Speedy cart including Norton Clipper's adapter	-	-	-	1100 x 1000 x 470	37	70184602496
Speedy cart + CP512 Petrol Saw	4kW	300	100	1100 x 1000 x 470	52.1	70184602520
Speedy cart + CP512 iLube Petrol Saw	4kW	300	100	1100 x 1000 x 470	52.2	70184602521
Speedy cart + CP514 Petrol Saw	4kW	350	125	1100 x 1000 x 470	52.4	70184602522
Speedy cart + CP514 iLube Petrol Saw	4kW	350	125	1100 x 1000 x 470	52.5	70184602523

PRODUCT FEATURES



ERGONOMIC THROTTLE HANDLE



RISE / LOWER SYSTEM



ADJUSTABLE HANDLE POSITION



EASY MOUNTING OF THE CUT-OFF SAW



Clipper's Tip

The Norton Clipper SPEEDY CART is designed to work with the most popular high-speed saws, making easy work of any concrete, asphalt, or curb cutting job. Featuring precise depth adjustment, effortless rolling wheels, and ergonomic controls, makes this product a must-have accessory for high-speed saw cutting.

Norton Clipper SPEEDY CART is built to last, with a durable and long lasting steel frame. Its user-friendly design and ease of operation, makes the SPEEDY CART the smoothest floor cutting accessory on the market today.

CART ADAPTERS*

MACHINE MODELS	ITEM NO.
TS 410-420	310501671
K760	310501670

C51



- Cutting depth adjustment with crank
- Adjustable handle height, for all cut depths
- Compact design
- Large diameter rear wheels coated with hard rubber
- Quick and easy setting improved user comfort
- Ergonomic working position
- Easy storage and transportation
- Robust and stable when in use

PRODUCT DATA

Item No.	70184683534	Power source	Petrol	Water tank capacity (removable)	20 L
		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)



6.5 hp

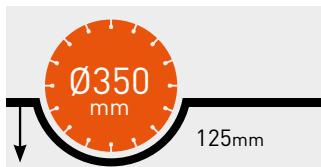


4.8kW



PETROL

PRODUCT FEATURES



MAX CUT DEPTH



ADJUSTABLE HANDLE HEIGHT



SEALED WHEEL BEARINGS



REMOVABLE 20 LITRE
POLYURETHANE WATER TANK

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.	70184647790	70184628997	70184694537	70184602093
Page reference	33	32	66	54

CS451 LOW VIBRATION



- Vibration absorbing handlebars reduces the intensity of hand-arm vibrations experienced by the operator and therefore extends working exposure time
- Handlebars have height adjustment settings to suit the individual user
- High capacity (25 litre) water tank allows wet-cutting even when working away from a water source
- Well balanced due to optimised weight distribution



CS451 P13

Item No. 70184628433



13 hp



9.6kW



PETROL

Power source	Petrol
Motor type	HONDA GX390 Cyclonic
Power	9.6kW (13 hp)
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. 70184629089



7 hp



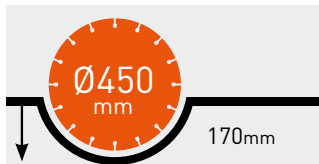
5kW



DIESEL

Power source	Diesel
Motor type	HATZ 1B30
Power	5kW (7 hp)
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



CYCLONIC AIR FILTER

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.	70184602363	70184631020	70184694912	70184602096
Page reference	33	32	66	54

CS1 P13



- The heavy duty jig welded steel frame makes this machine robust, hardwearing and reliable
- Hand wheel and endless screw depth control system for quick, easy and accurate setting
- Blade shaft is mounted on 'greased-for-life' pillow block bearings for easy maintenance
- Water flow control system on both sides of the blade for optimised performance

PRODUCT DATA

Item No.	70184629389	Power source	Petrol	Water tank capacity	70 L
		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)



13 hp

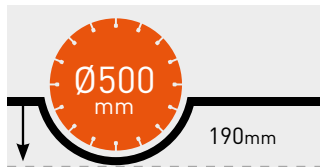


9.6kW



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.	70184601690	70184630416	70184694913	70184602097
Page reference	33	32	66	54

CSB1 P21

- The welded steel frame is heavy duty and durable
- A removable water tank ensures that the machine can be used even when away from a water source
- Automatic forward propulsion adds to the ease of use
- Manual/hydraulic raising and lowering of the blade helps the operator be more precise in the depth of their cut



PRODUCT DATA

Item No.	70184645495	Power source	Petrol	Water tank capacity	Optional (25l accessory)
		Motor type	HONDA GX630	Tool speed RPM	1775 min ⁻¹
		Power	15kW (20 hp)	Starter	Electric
		Blade x bore	Ø 600 x 25.4mm	Raise and lower	Manual hydraulic
		Max. cutting depth	225mm	Propelling	Automatic
		Dimensions (LxWxH)	1200 x 600 x 1100mm	Hand arm vibrations	3.35 m/s ²
		Weight	240kg	Sound power / pressure level	107 dB(A)/89 dB(A)



PRODUCT FEATURES



MAX CUT DEPTH



CONTROL BOX



MANUALLY OR HYDRAULICALLY RAISE AND 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.	70184601691	70184611982	70184640192	70184611980
Page reference	33	35	66	67

CSB1 D13*



- The manual hydraulic raising/lowering function gives the operator greater control and accuracy over their process
- Built in water tank provides wet cutting autonomy in isolated locations
- Lifting eye positioned at the centre of gravity makes for easy loading and transportation
- High resistance wheels with sealed heavy duty bearings deliver a smooth, straight cut

* Available on request

PRODUCT DATA

Item No.	70184613925	Power source	Diesel	Water tank capacity	25 L
		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)



13 hp

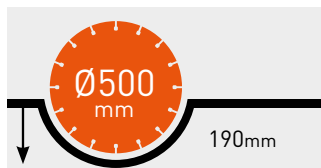


9.6kW



DIESEL

PRODUCT FEATURES



MAX CUT DEPTH



BUILT-IN WATER TANK



MANUALLY OR HYDRAULICALLY RAISE AND 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.	70184601690	70184630416	70184694913	70184602097
Page reference	33	32	66	54

CS451 E & ET LOW VIBRATION



- Vibration absorbing handlebars that reduce the intensity of hand-arm vibrations experienced by the operator and increases working time
- The handle height is adjustable to satisfy a spectrum of cutting depths with precision. This is further enhanced by the continuous depth control feature
- Suitable for wet and dry cutting with the water hose connector and dust extraction port



CS451 ET BLADE GUARD



CS451 E

Item No. 70184601973



7.5 hp



5.5kW



400V 3~

Supply Voltage / Power	400V 3~ / 5.5kW (7.5 hp)
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. 70184601972



7.5 hp



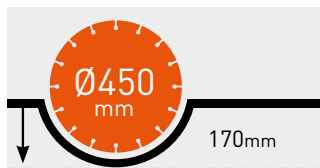
5.5kW



400V 3~

Supply Voltage / Power	400V 3~ / 5.5kW (7.5 hp)
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

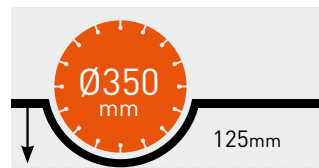
PRODUCT FEATURES



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.	70184602363	70184631020	70184694912	70184602096
CS451 ET				
Blade x Bore	350 x 25.4mm	350 x 25.4mm	350 x 25.4mm	350 x 25.4mm
Item No.	70184647790	70184628997	70184694537	70184602093
Page reference	33	32	66	54

CS7,5 E



- Electrical motor provides a clean, emission free, low noise, and low vibration solution. The motor is also removable to help with storage in confined areas
- Tough, heavy duty steel frame that is built to last

PRODUCT DATA

Item No.	70184623924	Supply Voltage / Power	400V 3~ / 7.5kW (10 hp)	Tool speed RPM	1460 min ⁻¹
		Fuse/Generator	16A / 19 kVA	Starter	Electric
		Blade x bore	Ø 800 x 25.4mm	Raise and lower	Manual
		Max. cutting depth	320mm	Propelling	Push
		Dimensions (LxWxH)	1270 x 580 x 1000mm	Hand arm vibrations	4.86 m/s ²
		Weight	118kg	Sound power / pressure level	94 dB (A) / 80 dB (A)



10 hp

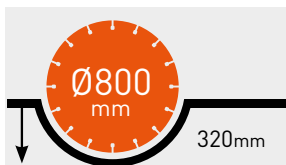


7.5kW



400V 3~

PRODUCT COMPARISON



MAX CUT DEPTH



ADJUSTABLE HANDLE



DEPTH CONTROL HAND WHEEL

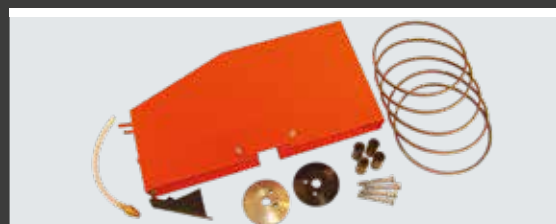


WATER HOSE CONNECTOR

DIAMOND BLADE RECOMMENDATIONS FOR CS7,5 E

Substrate / Material	BETON
Recommended Product	EXTREME BETON
Diameter	800mm
Bore	25.4mm
Item No.	70184601693
Page reference	33

FLOOR SAW ACCESSORIES AVAILABLE ON PAGE 124



FLOOR SAW ACCESSORIES

C51

DESCRIPTION	ITEM No.
4 - Front wheel (x1)	310006082
5 - Rear wheel (x1)	310005495
Belts	310006076

CS451 P13

DESCRIPTION	ITEM No.
1 - Kit for twin blade mounting (18mm)	310357954
4 - Front wheel (x2)	510101401
5 - Rear wheel (x2)	510101399
Belts	310349309

CS1 P13

DESCRIPTION	ITEM No.
4 - Front wheel (x2)	310461922
5 - Rear wheel (x2)	310461921
Belts	310006958

CSB1 D13

DESCRIPTION	ITEM No.
2 - Kit for 600mm blade guard	310005876
4 - Front wheel (x1)	310004260
5 - Rear wheel (x1)	310004873
Belts	310005852
Ventilator belt	310004178

CS451 D7

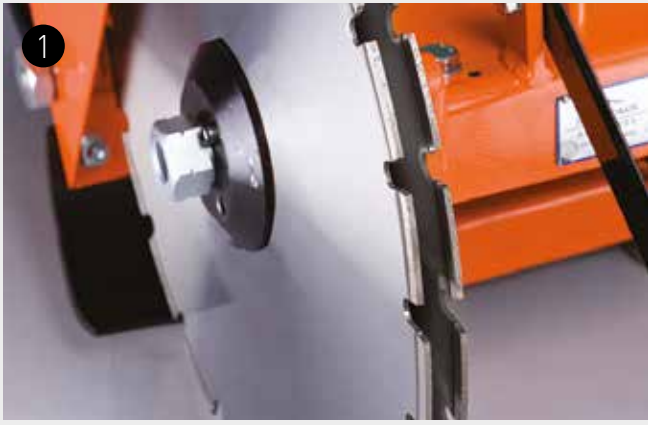
DESCRIPTION	ITEM No.
1 - Kit for twin blade mounting (18mm)	310357954
4 - Front wheel (x2)	510101401
5 - Rear wheel (x2)	510101399
Belts	310360982

CSB1 P21

DESCRIPTION	ITEM No.
Kit guard + pulleys for Ø350mm (CSB1 P21)	310006678
3 - Kit water tank	310419088
4 - Front wheel (x1)	310004260
5 - Rear wheel (x1)	310004873
Belts	310031861
Ventilator belt	310004455

SPEEDY CART

DESCRIPTION	ITEM No.
6 - Water tank 11l	310521698
Cart adapter: TS 410-420	310501671
Cart adapter: K760	310501670



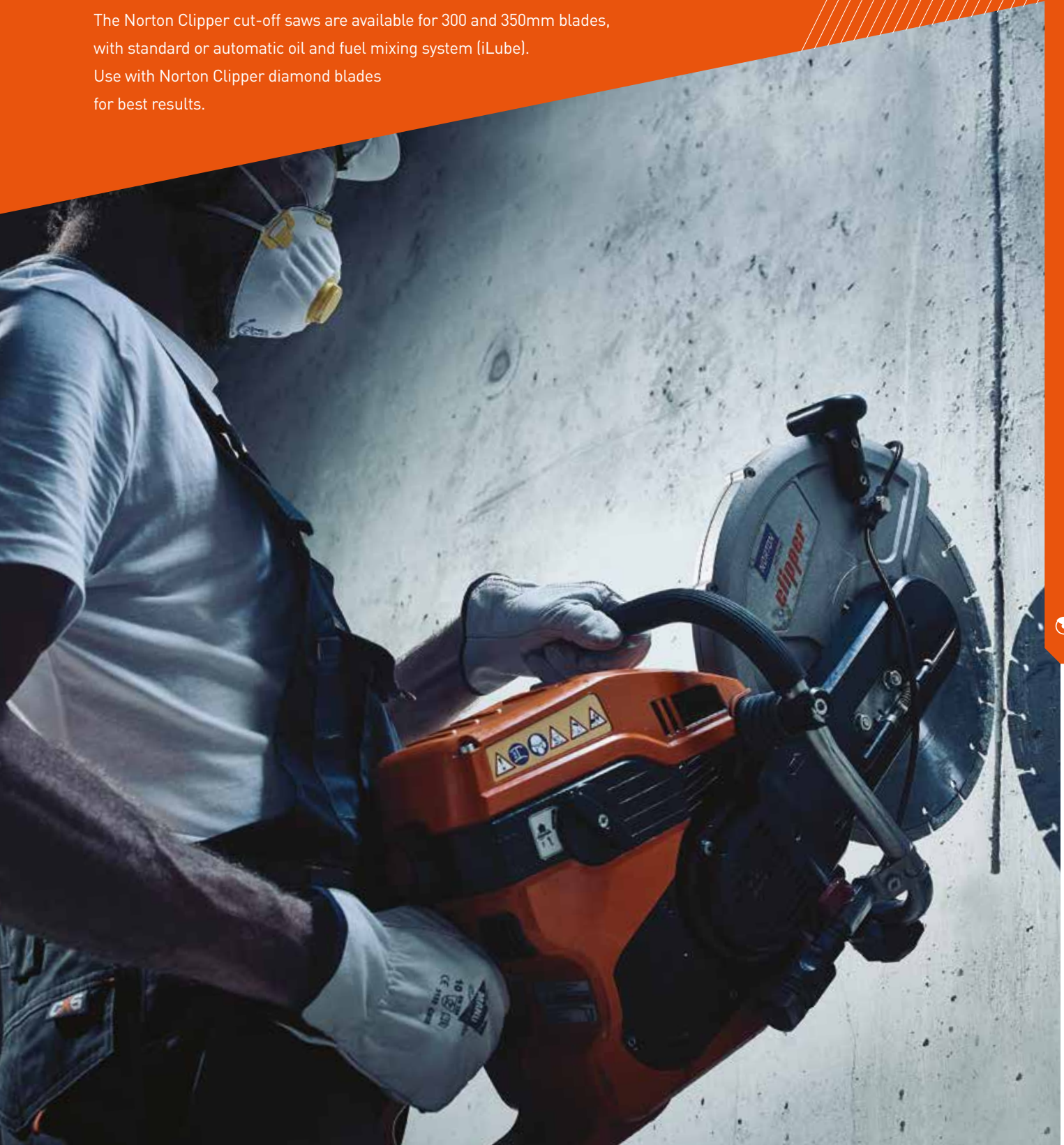
NORTON

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 and fuel mixing system (iLube). Use with Norton Clipper diamond blades for best results.





CP512 RANGE

CP514 RANGE



100mm
MAX CUT DEPTH



125mm
MAX CUT DEPTH



PETROL / WITH iLUBE®

PETROL / WITH iLUBE®

 5.4 hp
  4kW

 5.4 hp
  4kW

CP512 300 / WITH iLUBE®

CP514 350 / WITH iLUBE®



Clipper's Tip

Compatible with the all new **Speedy Cart**.
See full details on page 132.

CP512 & CP514

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



USER-FRIENDLY

- Electronic carburettor allows an easy three-step engine start. No more choke or half-throttle set-up
- Easy stopping: just press the red button
- Five-spring anti-vibration system
- Back-end handle and enhanced weight balance
- iLube®: No more worrying about two-stroke fuel mixtures. Just fill with regular fuel and two-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 and 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.	70184647558	70184647560	70184647562	70184647564
Power	4.0kW / 5.4 hp	4.0kW / 5.4 hp	4.0kW / 5.4 hp	4.0kW / 5.4 hp
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 750mm	430 x 267 x 775mm	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 six 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.	70184647787	70184629000	70184611230	70184601173	70184602022
CP514					
Blade x Bore	350 x 20mm	350 x 20mm	350 x 20mm	350 x 25.4mm	350 x 20mm
Item No.	70184647789	70184647780	70184611427	70184601174	70184602091
Page reference	33	32	40	62	54

ACCESSORIES & SPARE PARTS



ACCESSORIES

DESCRIPTION	ITEM No.
1 - 10L pressure water tank (metal)	310464031
2 - 35L electric water tank	310464029
3 - 11L pressure water tank (plastic)	310521698
Wheels	510109845

SPARE PARTS

DESCRIPTION	ITEM No.
Air filter	510107009
Kit of 10 air filters	510107010
Belt	510106974
Carburettor repair kit (incl. instructions)	510112803
Starter rope	510129769
Return spring	510129754



Clipper's Tip

FOR MORE INFORMATION
ON QUICK FIX SEE PAGE 54

NORTON

SAINT-GOBAIN

clipper

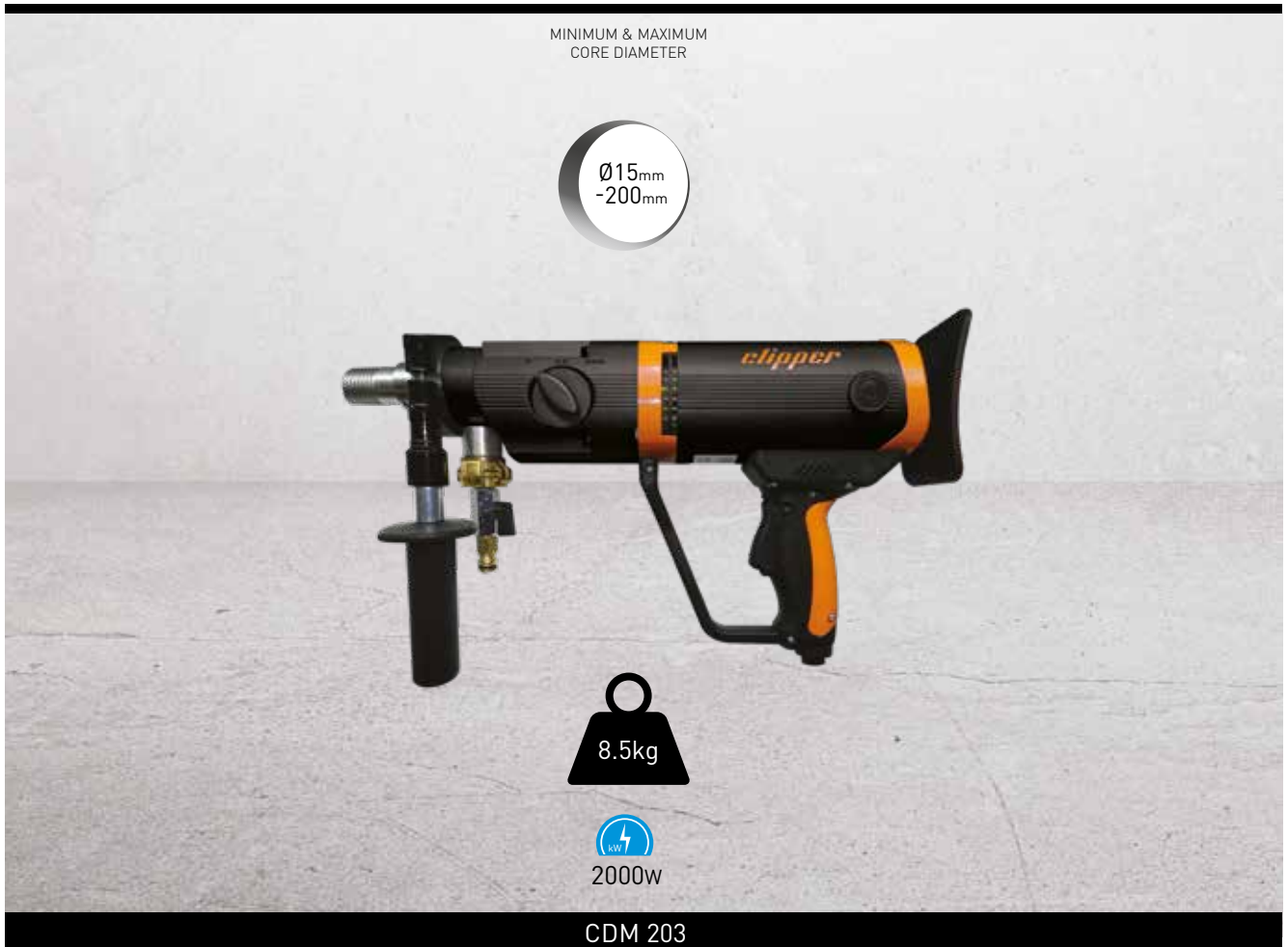
DRILL MOTORS & DRILLING RIGS

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





HANDHELD





DRILL RIGS

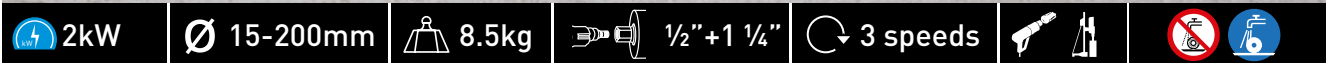
MAXIMUM CORE DIAMETER	MAXIMUM CORE DIAMETER	MAXIMUM CORE DIAMETER
 <p>Ø250 mm</p>	 <p>Ø350 mm</p>	 <p>Ø400 mm</p>
		
 <p>13kg</p>	 <p>23.4kg</p>	 <p>23.9kg</p>
 <p>0-45°</p>	 <p>0-45°</p>	 <p>0-45°</p>
CDR 253	CDR 353	CDR353 + SPACER



CDM 203



- Powerful 2000W motor delivers high performance in both handheld and rig-mounted drilling operators
- Three speed, oil-bath lubricated gearbox reduces the requirement for regular servicing and maintenance
- Soft-start switch and mechanical clutch helps the operator stay in control of the drill at all times
- 60mm ring on the body gives the potential for a wide range of drilling diameters
- Overload protection keeps the electrical and mechanical parts of the drill in optimal condition for longer
- 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



PRODUCT DATA

Item No.	70184601353	Power	2000W	Dry	Yes
		Volts	110V 1~	Wet	Yes
		Ø Range	15-200mm	Connection	1/2 + 1 1/4"
		RPM*	540/1050/2000	Weight	8.5kg

* RPM under load

PRODUCT FEATURES



COMBINED SPINDLE.



3-SPEED GEARBOX.



DUAL WATER-INLET AND DUST-COLLECTOR CONNECTOR



DIFFERENTIAL SWITCH
230 V 16 A - 10 mA

DRILLING CORE BITS RECOMMENDED FOR CDM 203

Substrate / Material	BETON	BETON
Recommended Product	PRO CB BETON CROWNED	PRO CB BETON XT
OD : Outer Diameter	16-51	52-132
Page reference	77	77

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.

- Made from a lightweight yet sturdy aluminium column, which is built to last
- Roll-guided carriage for a high degree of accuracy in drill guiding
- Multi-purpose drive lever which can be used for levelling and locking screws
- Standard motor mounting fixture fits to most drilling motors on the market
- Pre-mounted rig allows the operator to use the equipment straight from the box



CDR 253

CDR 353

Ø 250 / 400mm
 13-23.9kg
 600-690mm
0 - 45°

	CDR 253	CDR 353	CDR 353 + SPACER
Item No.	310468578	310468581	310468581 + 310472133
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 + vacuum	Dowel + vacuum	Dowel + vacuum
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	0:1	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 FOUR SCREWS ON BASE



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



TRANSPORT WHEELS



LEFT AND RIGHT MOUNTING DRIVE LEVER



METALLIC RIGID POINTER (CDR353)

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.
CDR 133	CDM 163	1800W	130	540/1200/2280	16.9kg	70184694704
CDR 163	CDM 203	2000W	200	240/1200/2280	18.1kg	70184694705
CDR 253	CDM 253	2500W	250	300/600/840	28.5kg	70184694306
CDR 353	CDM 353	3300W	350	192/390/570	39.9kg	70184694307
CDR 353 + SPACER	CDM 353	3300W	400	192/390/570	40.4kg	70184694308



ACCESSORIES

DRILL RIGS

ACCESSORIES	ITEM No.
1 - Vacuum pump Vp 136	310469674
2 - Differential switch 30 mA (PRCD)	310005608
3 - Submerged water pump	310006044
4 - Quick release anchor set (CDR253/353/403)	310003976
4 - Quick release anchor set (CDR133/163)	310389142
5 - Bronze ring	310004317
6 - Dowel installation tool	310387451
7 - Rawl dowel (25 p)	310006879
8 - Telescopic brace (Lmin = 1.80m; Lmax = 2.90m)	310469673
9 - Fixing dowel M12 (10p)	310004562
10 - Tie-bar anchor rod for rawl dowel	310006977
11 - Drifter	310007056
12 - Drill SDS 15mm	310005211
13 - 10L pressure water tank (metal)	310464031
14 - 11L pressure water tank (plastic)	310521698
15 - Water tank 35L with electrical pump	310464029
16 - Centering device 120mm	310007049
16 - Centering device for CDM163/203 - core bit length of 300mm	310387448
16 - Centering device for CDM163/203 - core bit length of 450mm	310387449

WATER COLLECTING RINGS

17 - Water/dust collector diam 10 - 85mm	310494440
17 - water/dust collector diam 90 - 175mm	310494441

WATER COLLECTING RINGS	ITEM No.
18 - Water collector CDR133/163 max diam. 130mm	310470303
18 - Water collector CDR163/253 max diam. 180mm	310477208
18 - Water collector CDR353 max diam. 300mm	310470304

SPARE SEALS

19 - CDR133/163 diam. 130mm	310477210
19 - CDR163/253 diam. 180mm	310477211
19 - CDR353 diam. 300mm	310477212

VACUUM BASE

20 - CDR133	310474123
20 - CDR163	310470435
20 - CDR253	310474124
20 - CDR353	310474125

SPACER AND MOUNTING RINGS

21 - Spacer plate for CDR353 to increase capacity from d350 to d400mm	310472133
22 - Ring 60mm for mounting handheld motors on rig	310388827



ACCESSORIES



ACCESSORIES



ADAPTORS

ACCESSORIES	ITEM No.
1 - 1 1/4" UNC Female x R 1/2" Fem	310004570
2 - 1 1/4" UNC Male x R 1/2" Male	310004558
3 - 1 1/4" UNC Male x Hilti DDBU	310006712
4 - R 1/2" Fem x Hilti DDBI	310007181
5 - R 1/2" Male x R 1/2" Male	310012389
6 - SDS Male x R 1/2" Male	310012391
7 - 3 holes flange x 1 1/4" UNC Fem	310004594
8 - 3 holes flange x 1 1/4" UNC Male	310004595

EXTENSIONS

ACCESSORIES	LENGTH	ITEM No.
9 - 1 1/4" UNC Fem x 1 1/4" UNC Male	100mm	310004577
9 - 1 1/4" UNC Fem x 1 1/4" UNC Male	200mm	310004571
9 - 1 1/4" UNC Fem x 1 1/4" UNC Male	300mm	310004574
9 - 1 1/4" UNC Fem x 1 1/4" UNC Male	500mm	310004575
9 - R 1/2" Fem x R 1/2" Male	100mm	310004610*
10 - R 1/2" Fem x R 1/2" Male	200mm	310004578
10 - R 1/2" Fem x R 1/2" Male	300mm	310004572
10 - R 1/2" Fem x R 1/2" Male	500mm	310004576

* Available on request



ACCESSORIES



DRILL RIGS CONNECTORS

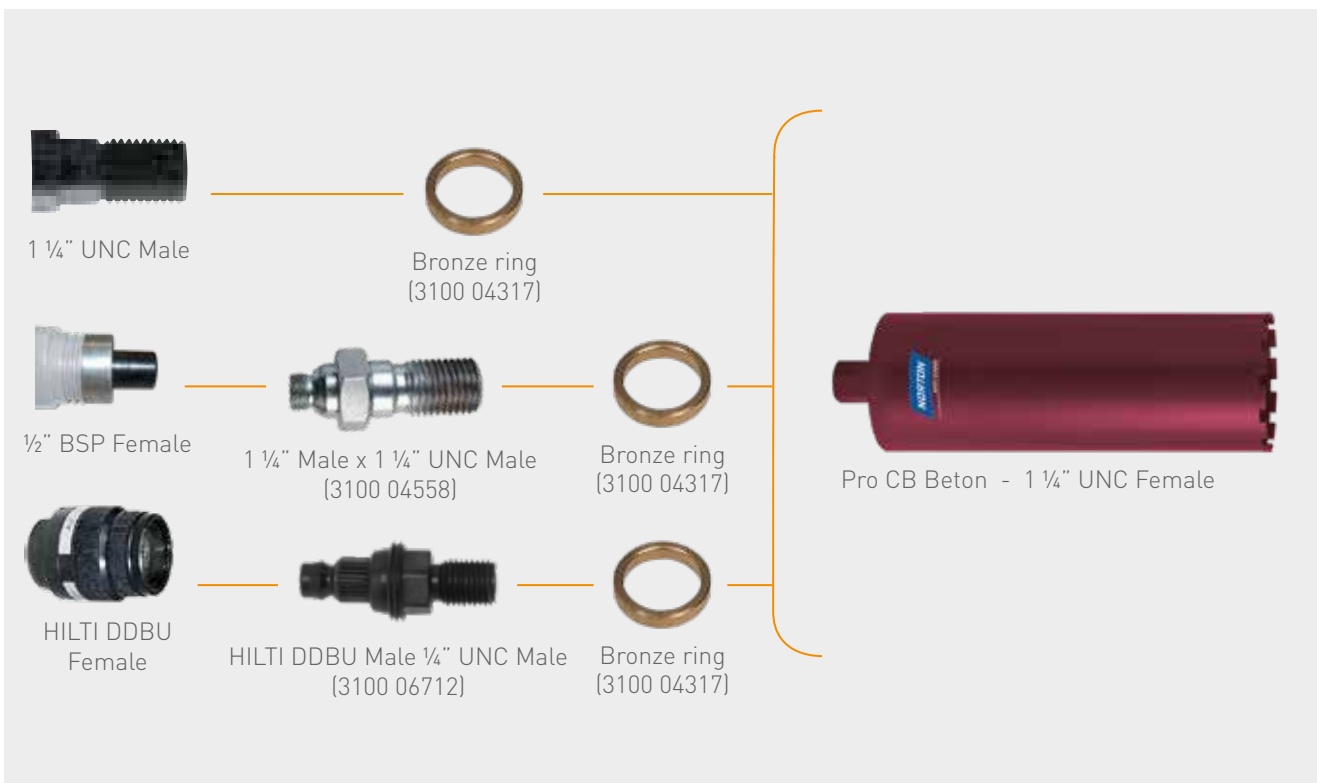
ACCESSORIES	ITEM No.
1 - Dust swivel 1/2" Male-Female	310389028
2 - 150mm Extension	310011352
3 - 250mm Extension	310011353
4 - Hex Adaptor Pack	310011356
5 - SDS Adaptor Pack	310011357
6 - HEX Adaptor	310011349
7 - SDS Adaptor	310011354
7 - 10mm A Taper Masonry Drill	310011347
8 - Ejector Drift	310011351

M16 DRILLING

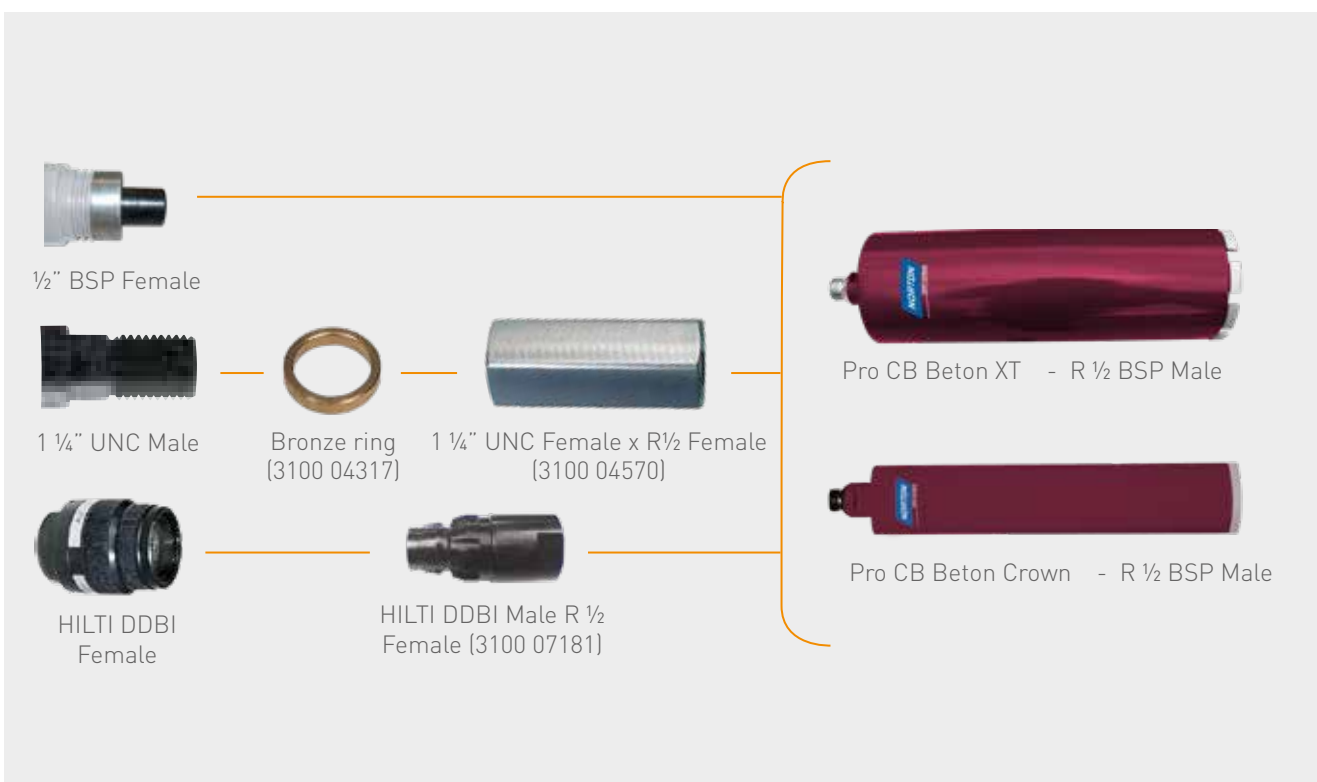
ACCESSORIES	ITEM No.
9 - Pilot drill Ø6mm	310003973
10 - Connector-Hex M16 for tapered pilot drill Ø6mm	310003974
11 - M16 Male x R1/2" Male	310006030
12 - Connector SDS M16 for tapered pilot drill Ø6mm	310005899
13 - SDS connector with screw M16 for Ø6mm drill	310005898

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

The Norton Clipper power float range is made of machines with blade diameters of 600 to 1110mm. Power floats are the ideal tool for finishing small to large areas of concrete screed.



 <p>Ø600</p> <p>BLADE ROTATION Ø (mm)</p>		 <p>Ø900</p> <p>BLADE ROTATION Ø (mm)</p>		 <p>Ø900</p> <p>BLADE ROTATION Ø (mm)</p>	
					
 <p>65kg</p>		 <p>62kg</p>		 <p>75kg</p>	
<p>ELECTRIC</p>		<p>PETROL</p>		<p>PETROL</p>	
 <p>3 hp</p>		 <p>2.2kW</p>		 <p>4 hp</p>	
		 <p>2.9kW</p>		 <p>6.5 hp</p>	
		 <p>4.8kW</p>		 <p>6.5 hp</p>	
		 <p>4.8kW</p>			
<p>CT 601</p>		<p>CT 901 MP</p>		<p>CT 901 HP</p>	

 <p>Ø1110</p> <p>BLADE ROTATION Ø (mm)</p>	
	
 <p>110kg</p>	
<p>PETROL</p>	
 <p>9 hp</p>	
 <p>6.6kW</p>	
<p>CT 1201</p>	

CT601



- Mechanical blade pitch control ensures accuracy and helps deliver the perfect surface finish
- Operator safety is assured by the aluminium guard rings and dead man's handle

CT601 MP

Item No. 70184629945



4 hp



2.9kW



PETROL

Included tools	Finishing blades and pan
Power source	Petrol
Power	2.9kW (4 hp)
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

CT601 ME

Item No. 70184629946



3 hp



2.2kW



230V

Included tools	Finishing blades and pan
Power source	Electric
Power	2.2kW (3 hp)
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 MP

- Welded heavy steel frame makes the CT901 capable of withstanding the rigours of regular use
- Mechanical blade pitch control ensures accuracy and helps deliver the perfect surface finish
- Dead man's handle and safety guard rings ensure user safety, whilst providing the operator with good visibility of the blades at all times



PRODUCT DATA

Item No.	70184629948	Included tools	Finishing blades	Guard ring diameter	950mm
		Power source	Petrol	Distance to wall	25mm
		Power	4.8kW (6.5 hp)	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 ϕ (clockwise)	900mm	Weight (without pans)	75kg



6,5 hp



4,8kW

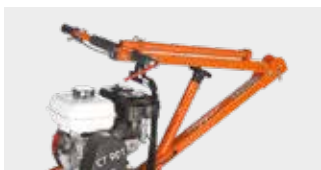


PETROL

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.
1 - Floating plate / pan	Ø900	Mechanical stop	-	310004546
2 - Floating blades (set of 4)	355 x 250	Clamp	-	310403131
3 - Finishing blades (set of 4)	355 x 150	M8	122	310403132
4 - Combination blades (set of 4)	330 x 200	M8	127	310004541
5 - Finishing blades with moving nut (set of 4)	330 x 150	M8	82-160	310004564
6 - Combination blades with moving nut (set of 4)	330 x 200	M8	82-160	310004565
7 - Feet skates (set of 2)	-	-	-	310004551

CT901 HP



- Heavy duty jig welded steel frame provides the machine with robustness and high reliability
- Dead man handle helps to ensure user safety
- Blade safety guard rings protect the user from accidental injury whilst maintaining good visibility
- Hydraulically blades pitch control helps the operator achieve a perfect surface finish
- Foldable and height adjustable arm enables easy transport and storage of the machine

PRODUCT DATA

Item No.	70184602675	Included tools	Finishing blades	Guard ring diameter	950mm
		Power source	Petrol	Distance to wall	25mm
		Power	4.8kW (6.5 hp)	Pitch control	Hydraulic
		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)	81kg



6,5 hp



4,8kW



PETROL

PRODUCT FEATURES



ROBUST AND RELIABLE



DEAD MAN HANDLE



SAFETY GUARD RINGS



HYDRAULIC BLADES
PITCH CONTROL



FOLDABLE AND HEIGHT
ADJUSTABLE ARM

ACCESSORIES CT901 HP

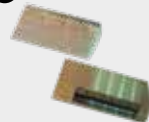
1



2



3



4



5



6



7



DIMENSIONS
L x L (mm)

FIXING THREAD

SPACING

ITEM No.

1 - Floating plate / pan	Ø900	Mechanical stop	-	310004546
2 - Floating blades (set of 4)	355 x 250	Clamp	-	310403131
3 - Finishing blades (set of 4)	355 x 150	M8	122	310403132
4 - Combination blades (set of 4)	330 x 200	M8	127	310004541
5 - Finishing blades with moving nut (set of 4)	330 x 150	M8	82-160	310004564
6 - Combination blades with moving nut (set of 4)	330 x 200	M8	82-160	310004565
7 - Feet skates (set of 2)	-	-	-	310004551

CT1201

- Welded heavy steel frame makes the CT1201 capable of withstanding the rigours of regular use
- Mechanical blade pitch control ensures accuracy and helps deliver the perfect surface finish
- Dead man's handle and safety guard rings ensure user safety, whilst providing the operator with good visibility of the blades at all times



PRODUCT DATA

Item No.	70184629953	Included tools	Finishing blades	Distance to wall	40mm
		Power source	Petrol	Pitch control	Mechanical
		Power	6.6kW (9 hp)	Hand arm vibrations	< 2.5 m/s ²
		Motor type	HONDA GX 270	Sound power / pressure level	96dB(A) / 87dB(A)
		Blade rotation \varnothing (clockwise)	1110mm	Dimensions (LxWxH)	2120 x 1190 x 1025mm
		Guard ring diameter	1190mm	Weight (without pans)	110kg



9 hp



6,6kW



PETROL

PRODUCT FEATURES



DEAD MAN'S HANDLE



REMOVABLE LIFTING EYE



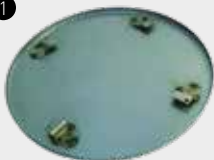
HANDLING OF THE MACHINE



ADJUSTABLE & FOLDABLE MACHINE ARM

ACCESSORIES CT1201

1



2



3



4



5



	DIMENSIONS L x L (mm)	FIXING THREAD	SPACING	ITEM No.
1 - Floating plate / pan	Ø1200	Mechanical stop	-	310369499
2 - Floating blades (set of 4)	460 x 255	Clamp	-	310369497
3 - Finishing blades (set of 4)	455 x 152	M8	158	310369485
4 - Combination blades (set of 4)	450 x 200	M8	158	310369496
5 - Feet skates (set of 2)	-	-	-	310004551

CUTTING DISCS & GRINDING WHEELS

The Norton Clipper range of cutting discs and grinding wheels for portable and fixed machines provide outstanding performance on many building and construction materials.





CUTTING DISCS & 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.
27	115	2.2x22.23	C46P-BF27	25	66253371533
	125	2.2x22.23	C46P-BF27	25	66253371534



MULTI-PURPOSE



TYPE 41



The Multi-Purpose cutting disc 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.

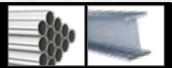


TYPE	DIA Ø (mm)	TxB (mm)	SPECIFICATION	PK QTY	ITEM No.	
27	115	1.0x22.23	C60T-BF41	25	66253371455	
		1.0x22.23	C60T-BF41	10	66252839907	
		1.6x22.23	C46T-BF41	25	66253371456*	
41	125	1.0x22.23	C60T-BF41	25	66253371501	
		1.6x22.23	C46T-BF41	25	66253371502	
		1.80	1.6x22.23	C46T-BF41	25	66253371503
		230	1.9x22.23	C46T-BF41	25	66253371504

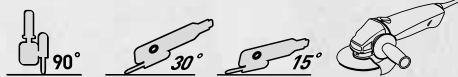


* Made to order

123 - METAL-INOX



TYPE 27



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

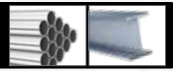


TYPE	DIA Ø (mm)	TxB (mm)	SPECIFICATION	PK QTY	ITEM No.
27	115	2.2x22.23	A46S-BF27	25	66253371523
	125	2.2x22.23	A46S-BF27	25	66253371524

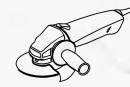
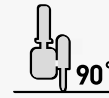




METAL-INOX



TYPE 41



Straight cutting disc providing long life, durability and high material removal for metal and metal-inox applications. Free from iron, sulphur and chloride, the disc eliminates contamination when cutting. Ideal for cutting sheet metal and studs.



TYPE	DIA Ø (mm)	TxB (mm)	SPECIFICATION	PK QTY	ITEM No.
41	115	1.0x22.23	A60S-BF41	25	66253371505
		1.6x22.23	A46S-BF41	25	66253371506
		2.5x22.23	A30S-BF41	25	66253371507
	125	1.0x22.23	A60S-BF41	25	66253371508
		1.6x22.23	A46S-BF41	25	66253371509
		2.5x22.23	A30S-BF41	25	66253371510
180	1.6x22.23	A46S-BF41	25	66253371511	
	2.5x22.23	A30S-BF41	25	66253371512	
230	1.9x22.23	A46S-BF41	25	66253371513	
	2.5x22.23	A30S-BF41	25	66253371514	



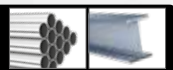
TYPE	DIA Ø (mm)	TxB (mm)	SPECIFICATION	PK QTY	ITEM No.
41	115	1.0x22.23	A60S-BF41 SET*	10**	66252845192
	125	1.0x22.23	A60S-BF41 SET*	10**	66252845193

* One metal can/set include 10 pcs Metal-Inox discs

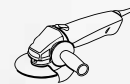
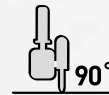
** Minimum order quantity 10 metal cans/sets



METAL-INOX



TYPE 42



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



TYPE	DIA Ø (mm)	TxB (mm)	SPECIFICATION	PK QTY	ITEM No.
42	115	3.2x22.23	A30S-BF42	25	66253371515
	125	3.2x22.23	A30S-BF42	25	66253371516
	180	3.2x22.23	A30S-BF42	25	66253371517*
	230	3.2x22.24	A30S-BF42	25	66253371518

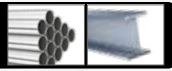
* Made to order





CUTTING DISCS & 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.
27	115	6.4x22.23	A 30 P-BF27	10	66253371519
	125	6.4x22.23	A 30 P-BF27	10	66253371520
	180	6.4x22.23	A 30 P-BF27	10	66253371521
	230	6.4x22.23	A 30 P-BF27	10	66253371522



STONE



TYPE 41



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

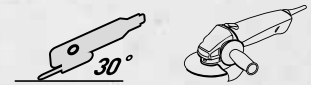
TYPE	DIA Ø (mm)	TxB (mm)	SPECIFICATION	PK QTY	ITEM No.
41	115	2.5x22.2	C 30 R-BF41	25	66252839627
	125	2.5x22.2	C 30 R-BF41	25	66252839628
	180	2.5x22.2	C 30 R-BF41	25	66252839629
	230	3.2x22.2	C 30 S-BF41	25	66252832262
		2.5x22.2	C 30 R-BF41	25	66252839630



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.
27	115	6.0x22.23	C 30 R-BF27	10	66252839631*
	125	6.0x22.2	C 30 R-BF27	10	66252839632*
	180	6.0x22.23	C 30 R-BF27	10	66252839633*
	230	6.0x22.23	C 30 R-BF27	10	66252839634



* Made to order



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.
	300	3.5x20.0	A 24 R-BF41	80	10	66253371693
		3.5x25.4	A 24 R-BF41	80	10	66253371526
41	350	4.0x20.0	A 24 R-BF41	100	10	66253371527
		4.0x25.4	A 24 R-BF41	100	10	66253371528
	400	4.0x20.0	A 24 R-BF41	100	10	66253371529



STONE



TYPE 41



Straight cutting discs for petrol saws. Sharp silicon carbide abrasive optimises 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.
	300	3.5x20.0	C 24 R-BF41	80	10	66252832263*
		3.5x25.4	C 24 R-BF41	80	10	66252832264*
41	350	4.0x20.0	C 24 R-BF41	100	10	66252832265*
		4.0x25.4	C 24 R-BF41	100	10	66252832266*
	400	4.0x20.0	C 24 R-BF41	100	10	66252832267*

* Made to order



METAL



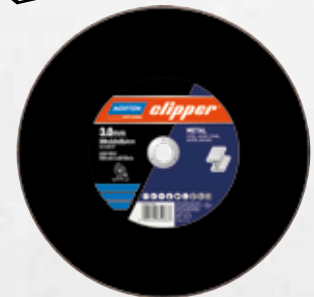
TYPE 41



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

TYPE	DIA Ø (mm)	TxB (mm)	SPECIFICATION	M/S	PK QTY	ITEM No.
41	350	3.0x25.4	A 36 P-BF41	80	10	66253371530*

* Made to order



MULTIPURPOSE



TYPE 41



Straight cutting discs for petrol saws. Sharp silicon carbide grains optimises cutting all materials including carbon steel, stone, aluminium, PVC, ceramics and tiles. This wheel provides longer life, quick and straight cutting.

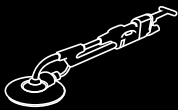
TYPE	DIA Ø (mm)	TxB (mm)	SPECIFICATION	M/S	PK QTY	ITEM No.
41	300	3.5x20	C 24 R-BF41	80	10	66252845495



COATED ABRASIVES MACHINE SANDING

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





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.
225	60	5	5	66261119850
	80	5	5	66261119851
	100	5	5	66261119852
	120	5	5	66261119848
	150	5	5	66261119871
	220	5	5	66261119873
225 BULK PACK	60	1	25	66623332303
	80	1	25	66623332310
	100	1	25	66623332311
	120	1	25	66623332313
	150	1	25	66623332318
	220	1	25	66623332322



MESHPower DISCS



An alternative to traditional perforated paper discs, MeshPower is a multifunctional abrasive designed with thousands of holes, created by the unique mesh matrix structure.

- Mesh backing enables excellent dust extraction, for a cleaner working environment and less clean up time
- No-Fil® technology prevents clogging for longer product life
- Can be used wet or dry
- Self-grip backing for a quick and easy disc change
- Can be used on many materials, flat and contoured surfaces, by hand or machine
- No defined hole pattern for fast, easy alignment with the back-up pad

ALUMINIUM OXIDE MESHPower

DIA Ø (mm)	GRIT	PACK QUANTITY	BOX QUANTITY	ITEM No.
225 BULK PACK	80	1	25	78072703555
	120	1	25	78072703556
	180	1	25	78072703557
	240	1	25	78072703558
	320	1	25	78072703559
	400	1	25	78072703560



CERAMIC MESHPower

Ceramic grain provide the ultimate material removal, best productivity, longest life and finest finish.

DIA Ø (mm)	GRIT	PACK QUANTITY	BOX QUANTITY	ITEM No.
225	60	5	5	78072706118
	80	5	5	78072705844
	120	5	5	78072705845
	180	5	5	78072705846
	240	5	5	78072705847
	320	5	5	78072705848





PAPER DISCS



6 and 8 holes 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.

DIA Ø (mm)	GRIT	PACK QUANTITY	BOX QUANTITY	ITEM No.
125 8 Holes 	40	10	5	66261118234
	80	10	5	66261118236
	120	10	5	66261118237
	180	10	5	66261118238
150 6 Holes 	40	10	5	66261121647
	80	10	5	66261121648
	120	10	5	66261121643
	180	10	5	66261121649



MESHPower DISCS



An alternative to traditional perforated paper discs, MeshPower is a multifunctional abrasive designed with thousands of holes, created by the unique mesh matrix structure.

- Mesh backing enables excellent dust extraction, for a cleaner working environment and less clean up time
- No-Fil® technology prevents clogging for longer product life
- Can be used wet or dry
- Self-grip backing for a quick and easy disc change
- Can be used on many materials, flat and contoured surfaces, by hand or machine
- No defined hole pattern for fast, easy alignment with the back-up pad

ALUMINIUM OXIDE MESHPower

DIA Ø (mm)	GRIT	PACK QUANTITY	BOX QUANTITY	ITEM No.
150 BULK PACK 	80	1	50	69957326274
	120	1	50	69957326275
	180	1	50	69957326276
	240	1	50	69957326277
	320	1	50	69957326278



CERAMIC MESHPower

Ceramic grain provide the ultimate material removal, best productivity, longest life and finest finish.

DIA Ø (mm)	GRIT	PACK QUANTITY	BOX QUANTITY	ITEM No.
125 	60	5	5	78072706114
	80	5	5	78072705833
	120	5	5	78072705834
	180	5	5	78072705835
	240	5	5	78072705836
	320	5	5	78072705837
150 	60	1	5	78072706115
	80	1	5	78072705838
	120	1	5	78072705840
	180	1	5	78072705841
	240	1	5	78072705842
	320	1	5	78072705843







FIBRE DISCS



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



DIA Ø (mm)	GRIT	PACK QUANTITY	BOX QUANTITY	ITEM No.
115 	36	5	5	66261121545
	50	5	5	66261121548
	80	5	5	66261121549
125 	36	5	5	66261118320
	50	5	5	66261118432
	80	5	5	66261118436



SEMI FLEXIBLE DISCS



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


DIA Ø (mm)	GRIT	PACK QUANTITY	BOX QUANTITY	ITEM No.
125x22 	16	1	25	66261083476
	24	1	25	7660719292
	36	1	25	7660719293
	60	1	25	7660719294
	80	1	25	7660719295
180x22 	16	1	25	66261083479
	24	1	25	7660719296
	36	1	25	7660719297
	60	1	25	7660719298
	80	1	25	7660719299



BACK UP PAD



For use with fibre discs and semi flexible discs.

DIA Ø (mm)	ATTACHMENT	PACK QUANTITY	BOX QUANTITY	ITEM No.	
	115x22	M14	1	5	66261121553
	125x22	M14	1	5	66261118437
	180x22	M14	1	5	66261121556





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.
100x16 	40	10	66261118443
	60	10	66261118464
	80	10	66261118465
115x22 	40	10	66261118466
	60	10	66261118468
	80	10	66261118469
125x22 	40	10	66261118471
	60	10	66261118472
	80	10	66261118473



NON-WOVEN DISCS FOR WOOD

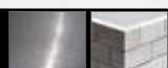


Non-woven discs for wood are made of nylon fibres impregnated with aluminium oxide abrasive grains, for stripping paint and varnish from hard wood surfaces, it leaves the surface clean and immediately ready to paint. Ideal for use on curved and hard to reach areas.

DIM (mm)	GRIT	BOX QUANTITY	ITEM No.
125 	Medium	10	66261118479



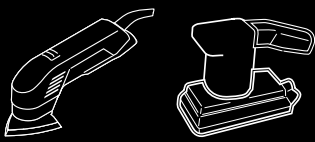
NON-WOVEN DISCS FOR METAL & STONE



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.

DIM (mm)	GRIT	BOX QUANTITY	ITEM No.
125 	Coarse	10	66261118477
180	Coarse	5	66261118480






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.

DIM (mm)	GRIT	PACK QUANTITY	BOX QUANTITY	ITEM No.
93x230 No holes 	40	5	5	66261137988
	80	5	5	66261137990
	120	5	5	66261137991
	180	5	5	66261137992
115x280 14 holes 	40	5	5	66261131047
	80	5	5	66261131048
	120	5	5	66261131049
	180	5	5	66261131050



ANTI-CLOGGING CUT SHEETS

Cut sheets with a stearate layer to prevent clogging for longer life and perfect finish.

DIM (mm)	GRIT	PACK QUANTITY	BOX QUANTITY	ITEM No.
80x133 	80	5	5	69957316197
	120	5	5	69957316198
	180	5	5	69957316259
	240	5	5	69957316260



DELTA SANDING SHEETS

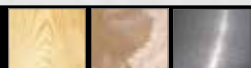


Triangular self-gripping sheets for sanding hard to reach areas. Abrasive can be changed quickly and easily when stripping, sanding or finishing wood, paint or metal surfaces.

DIM (mm)	GRIT	PACK QUANTITY	BOX QUANTITY	ITEM No.
93x93x93 	40	5	5	66261131051
	80	5	5	66261131052
	120	5	5	66261131053
	180	5	5	66261131055



ANTI-CLOGGING MULTI-SANDER SHEETS



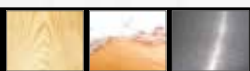
Detail self-gripping sanding sheet, with a stearate layer to prevent clogging for longer life and a perfect finish. For applications from sanding to finishing on wood, paint and metal.

DIM (mm)	GRIT	PACK QUANTITY	BOX QUANTITY	ITEM No.
100x150 	80	5	5	69957316186
	120	5	5	69957316190
	180	5	5	69957316192
	240	5	5	69957316230





SANDING BELTS



The belts are reversible so can be used both ways on the machine.
Aluminium oxide grain for general purpose applications.

DIA Ø (mm)	GRIT	PACK QUANTITY	BOX QUANTITY	ITEM No.
75x533 	36	4	5	66261131031
	50	4	5	66261131034
	80	4	5	66261131035
	120	4	5	66261131038
100x610 	36	4	5	66261131039
	50	4	5	66261131044
	80	4	5	66261131045
	120	4	5	66261131046



FSC® CERTIFICATION

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



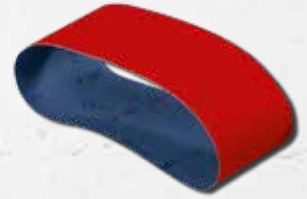


COATED ABRASIVES BELTS FOR FLOOR SANDING

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.
200x750 	24	5	69957345034
	36	5	69957345033
	40	5	69957345032
	50	5	69957345031
	60	5	69957345030
	80	5	69957345029
	100	5	69957345028



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.
200x750 	24	10	66261182171
	36	10	66261182172
	40	10	66261182173
	60	10	69957371516
	100	10	66261182174
	120	10	69957371513





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.
200x480 	24	20	66254445457
	40	20	66623305193
	60	20	66623305192
	80	20	69957353993
	100	20	66254445458
	120	20	63642557864
200x551 	24	10	66254445468
	36	10	66254445467
	40	10	66254445466
	60	10	63642588232
	80	10	66254445465
	100	10	69957372801
200x750 	120	10	66254445464
	24	10	63642521182
	36	10	69957349006
	40	10	69957349007
	60	10	69957349010
	80	10	69957349014
	100	10	69957349394
	120	10	63642558814



R427

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

DIM (mm)	GRIT	PACK QUANTITY	ITEM No.
200x480 	40	20	63642513086
	60	20	63642513088*
	80	20	63642513090
	120	20	63642513233
200x750 	24	10	63642552608
	36	10	63642552610
	40	10	63642552612
	50	10	63642552613
	60	10	63642552614
	80	10	63642552616
	100	10	63642552618
	120	10	63642552620

* Made to order





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.

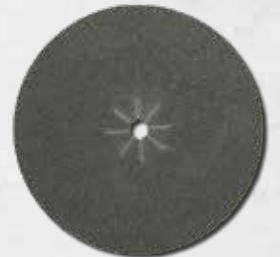
DIM (mm)	GRIT	PACK QUANTITY	ITEM No.
375x40 	16	10	66254449459
	24	10	66254449460
406x25 	16	10	63642552885
	24	10	66254449468



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.
375x40 	40	10	66254449462
	60	10	66254449463
	80	10	66254449464
	120	10	66254449466
406x25 	40	10	66254449479
	60	10	66254449471
	80	10	66254449472
	100	10	66254449473
	120	10	66254449474



PLAIN DISCS BEARTEX (NON WOVEN)

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

DIM (mm)	GRIT	PACK QUANTITY	ITEM No.
150 	Very Fine	10	63642557497
	Ultra Fine	10	63642557498








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.
140x22 	36	100	63642546555
	60	100	63642546518
	80	100	63642546519
	120	100	69957360223
150x12 	36	50	63642546553
	40	100	69957360199
	50	100	63642546525
	60	100	63642546527
	80	100	63642546529
180x22 	100	100	69957360218
	36	50	66261176663
	40	50	66261176664
	50	50	66261176685
	60	50	66261176638
	80	50	63642548176
	100	100	69957376890
	120	100	69957377839



PLAIN DISCS H231



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

DIM (mm)	GRIT	PACK QUANTITY	ITEM No.
180x22 	36	50	66254445393
	40	50	66254445391
	50	50	66254445390
	60	50	66261176692
	80	100	69957378384
200x22 	100	100	66254445389
	40	100	66254445439
	60	100	66254445440





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.
406 	60	10	66261120519
	80	10	63642536521
	100	10	66261120517
	120	10	66261120516
	150	10	63642536524
	180	10	63642515105
	220	10	63642552254



BEARTEX FLOOR PADS



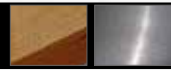
BearTex offers a wide range of floor pads from stripping right through to mirror gloss finishing. For general scrubbing and cleaning applications BearTex offers two pads that will remove surface dirt and grime to get the floor back in shape before recoating or buffing.

DIM (mm)	GRIT	PACK QUANTITY	ITEM No.
406 Standard		White Super Gloss	5 63642585892
		Red Buffer	5 63642585890
		Beige	5 63642585873
		Black Super Strip	5 63642585841
		Green Super Scrub	5 63642585877
		Blue Super Clean	5 63642585868
406 Thin line		Black	10 63642585895
		Green	10 63642585899
		Beige	10 63642585903
		White	10 63642585904









SELF-GRIP DISCS H231



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



DIM (mm)	GRIT	PACK QUANTITY	ITEM No.
125 	36	100	66261176734
	60	100	63642516174
	80	100	63642516175
	120	100	63642516176
	180	100	63642537389
	240	100	69957360184
	320	100	63642537390
150 	36	50	63642551458
	40	100	63642531875
	50	100	69957360119
	60	100	63642519158
	80	100	63642546787
	100	100	63642531872
	120	100	63642531871
	150	100	69957360170
150 	180	100	63642536755
	240	100	63642546797
	40	100	66261026066
	60	100	69957382764
	80	100	66261026069
150 	100	100	66261026070
	120	100	66261026071
	240	100	69957351531
	40	100	63642550341
	60	100	63642536740
	80	100	63642536741
	100	100	63642568763
	120	100	63642546779
	150	100	63642546781






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.
406 	40	10	66254461030
	60	10	66254499602
	80	10	66254461035
	100	10	66254461037
	120	10	66254464732



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.
150 	Very Fine	10	69957383151
	Micro Fine	10	69957383162





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.
205x475 	24	25	66623319705
	40	25	66623319704
	60	25	66623319702
	80	25	66623319697
	120	25	66623319698



NORTON *clipper*
SAINT-GOBAIN

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 may be required.
Blade being pushed too hard and not allowed to cut – causes bouncing and will lead to blade going out of round.	Slow down traverse rate or reduce depth of cut.
Blade spindle speed too high – causing polishing and causing blade to act hard and bounce.	Reduce spindle speed to recommended RPM.

UNEVEN SEGMENT WEAR

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

PREMATURE WEAR OF STEEL CENTRE

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

STEEL CENTRE LOSS OF TENSION

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

THE DIFFERENT SEGMENT SHAPES



SEGMENTED

The gullets (space between the segments) help to extract cutting dust and cool the blade. They also offer the blade a little flexibility to prevent cracks developing when used in demanding conditions. Ideal for concrete, reinforced concrete, asphalt and all building materials.



FLAT CONTINUOUS RIM

Continuous rim blades are required for a good quality finish. The flat continuous surface means there are no shocks against the material that could create chips in the workpiece. This type of blade is particularly suitable for tiles that need a perfect finish.



TURBO CORRUGATED CONTINUOUS RIM

When the material is extremely hard a more aggressive cut is needed, so a corrugated continuous rim is the best fit. This design gives small shocks to the workpiece when tackling the hardest tiles and building materials. Suitable for ceramic and porcelain tiles, granite, roof tiles and other hard materials.

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 Norton Clipper machines with Norton Clipper diamond blades, designed specially for wet cutting of tiles



MASONRY SAW CUTTING METHODS

FULL DEPTH OR FIXED CUTTING

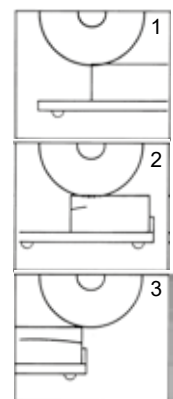
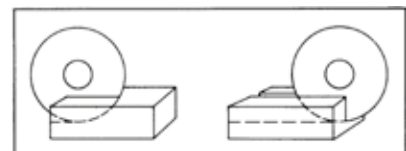
In full depth or fixed cutting, the cutting head is locked in a fixed position and the material is pushed into it as shown.

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. The drive pin must project through the hole in the blade and into the 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 one 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 20m. 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 AND 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.

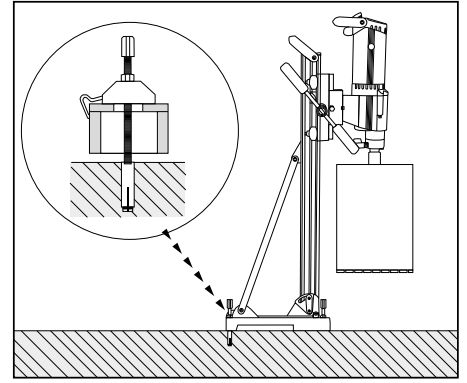
You can consult our product selection charts to choose the best tool for each of your requirements.

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



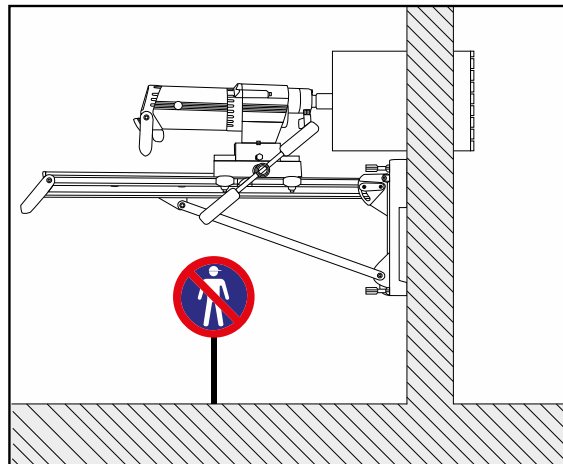
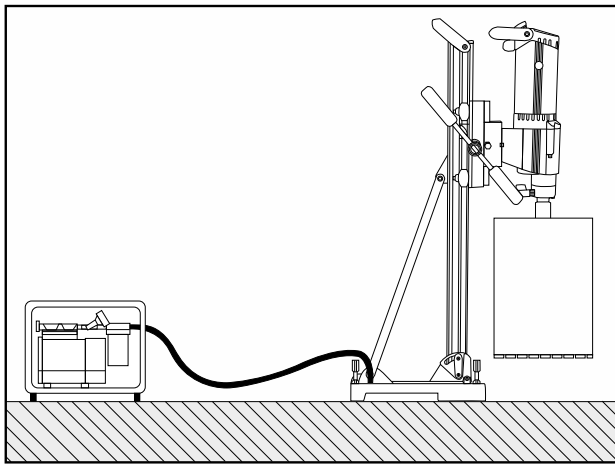
VACUUM FIXING



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 three adjusting screws and the spirit-level



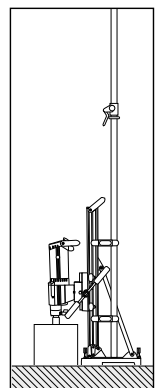
BRACE FIXING



Clipper's Tip

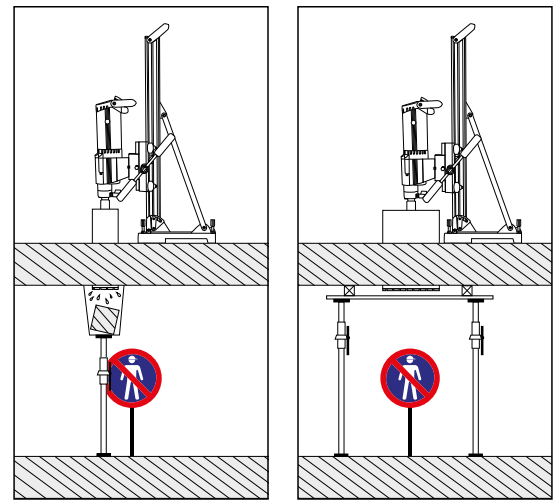
CAUTION: Brace fixing requires a solid surface on both ends of the brace to ensure the best safety for the operators. Make sure the surface won't break or detach under the strength of the brace tightening.

- 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
- Tighten and adjust the drill rig using the three 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



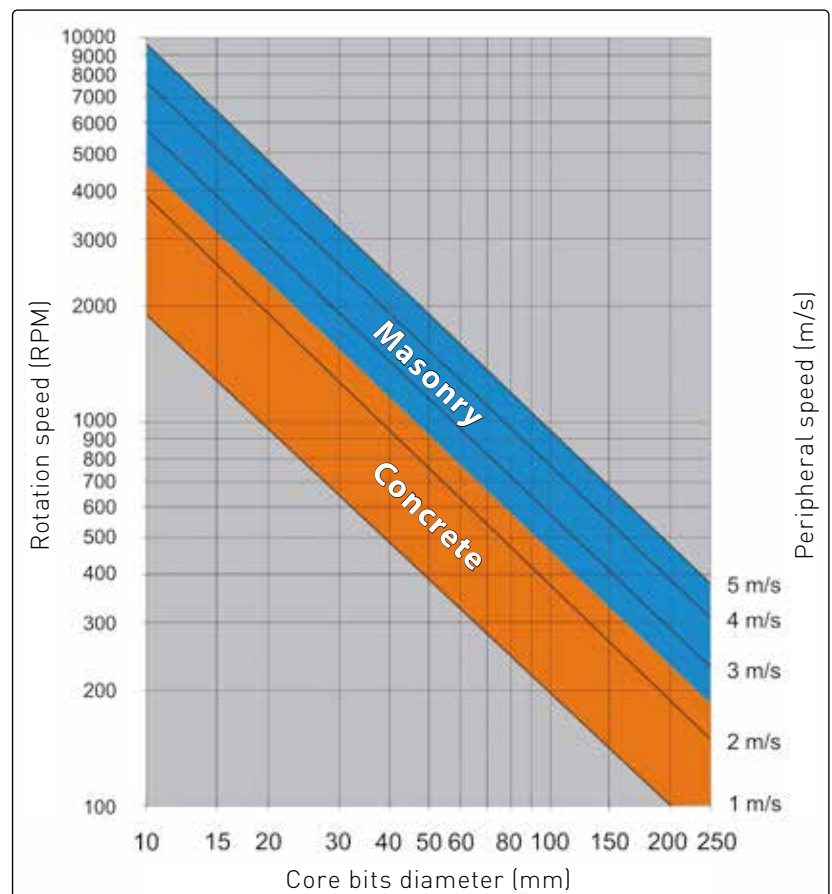
In most cases, core drilling requires the use of water. Properly ground the core drill, as the use of any electrical tools in wet areas can be hazardous.

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

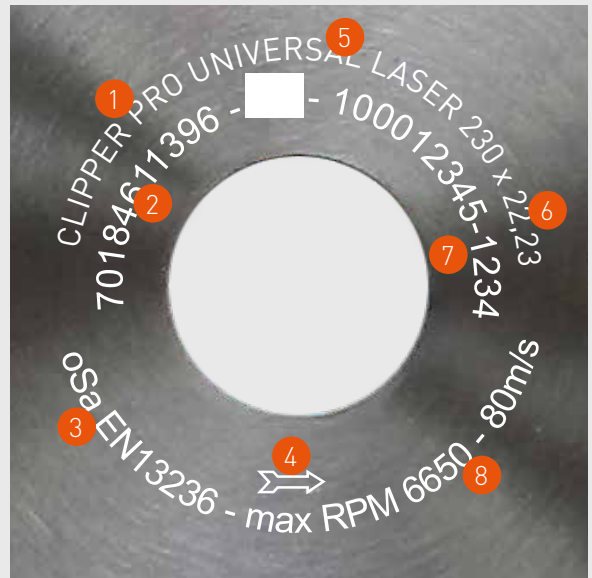
BLADE MARKING SYSTEMS

- 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



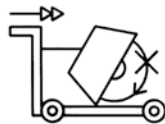
Do not use if damaged



Danger : risk of cut



Danger : risk of cut



Never move the machine with the blade running idle



Blade direction of rotation

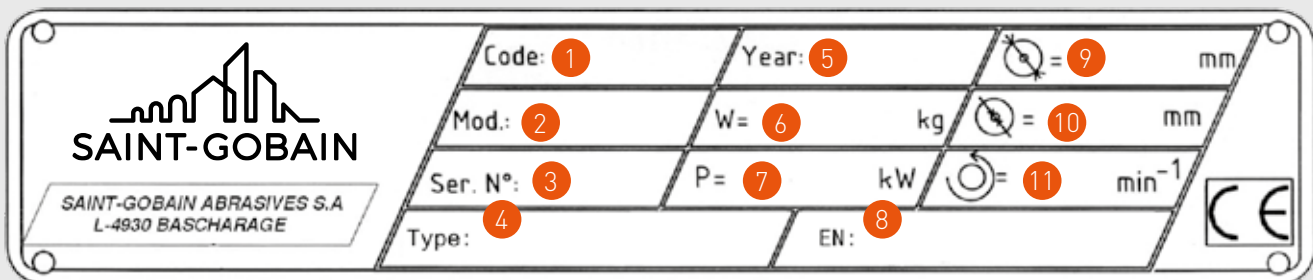


Do not lift the machine from here



Lift from here

MACHINE MARKING



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

SHAPE SPECIFICATION SYSTEM



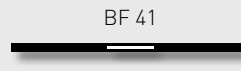
Depressed centre grinding wheels. Available in diameters 76-230mm for hand-held machines

Application: grinding



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

Application: grinding



Flat cutting discs. Available in diameters 40-400mm for hand-held machines and 250-400mm for stationary machines

Application: cutting-off



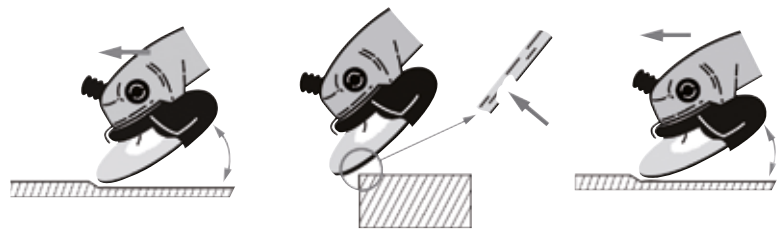
Depressed centre cutting discs. Available in diameters 76-230mm for hand-held machines

Application: cutting-off

PORTABLE GRINDERS

GRINDING ROUGH WORK

- Do not use a cutting disc 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



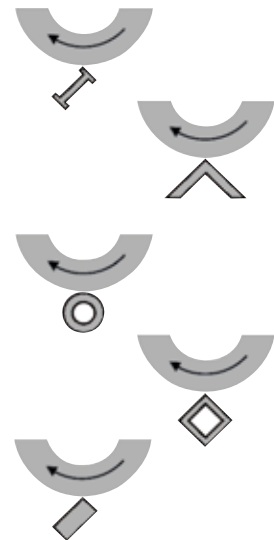
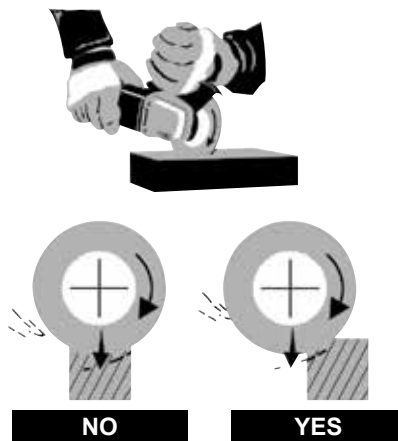
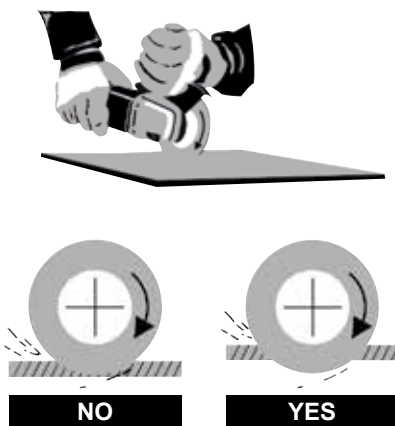
GRINDING FINISHING WORK

- Angle of work 15°
- Rotary action



CUTTING-OFF

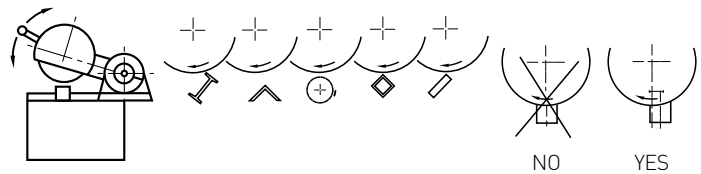
- Arrange the workpiece so that a uniform section can be cut



FIXED MACHINE

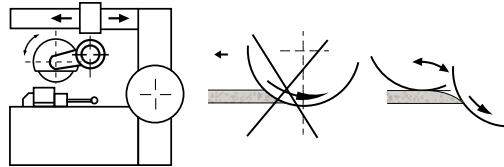
DOWNSTROKE HEADS

- 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

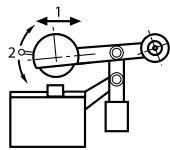
- In the case of thick parts, use the reciprocating motion of the carriage



OSCILLATING HEADS

OPERATING MODE

- 1 – Oscillating
- 2 – Cutting-off



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



The Norton logo consists of the word "NORTON" in a bold, white, italicized sans-serif font, set against a blue parallelogram background that is wider at the top and tapers towards the bottom. A small registered trademark symbol (®) is located at the bottom right of the blue shape.

NORTON

SAINT-GOBAIN

RESHAPING YOUR WORLD WITH...

WORLDWIDE MARKET LEADERSHIP

WORLD CLASS PRODUCT INNOVATIONS

CUTTING EDGE TECHNOLOGIES

A COMPLETE RANGE OF STOCK PRODUCTS

THE WIDEST SPECTRUM OF PRODUCT QUALITY

MADE-TO-ORDER SOLUTIONS

The logo features the text "Reshaping your world." in a clean, sans-serif font. The word "Reshaping" is on the top line, "your" is on the second line, and "world." is on the third line. A thin white line forms a partial circle around the text, starting from the top left and ending at the bottom left, with a registered trademark symbol (®) at the end of the line.

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



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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.



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2021

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