



NORTON

SAINT-GOBAIN

DIAMOND TOOLS

Introduction

332

DIAMOND BLADES

333-347

for Concrete & Reinforced Concrete

333

for Universal Building Materials

334

for Multi Materials

339

for Ceramic & Porcelain Tiles

343

for Asphalt & Abrasive Materials

347

CUP GRINDERS

for Concrete & Building Materials

348-350

348

DRILLING CORE BITS

for Concrete

351-355

351

for Universal Building Materials

354

Technical Information

356

INTRODUCTION

Norton Clipper Diamond Blades are the ultimate abrasive cutting solution in construction and building industries. With a range of products suitable for use on concrete, tile, brick, and asphalt, Norton Clipper offers the best choice for every cutting and drilling application in the building/construction industry.

UNDERSTANDING THE PRODUCT

- 1 Safety pictograms
- 2 Strong Norton Clipper branding
- 3 Product name
- 4 Product dimensions (mm)
- 5 Machine type
- 6 oSa certified
The Organisation for Safety of Abrasives
- 7 European safety standard EN13236:2010



DIFFERENTIATION IN THE RANGE

Norton offers the industry's widest selection of diamond blades to meet every customer requirement. The range is classified into three quality-tiers (best/better/good) to help you choose the right product for your specific application.



EXTREME

The Norton Clipper Extreme product range offers high performance; fast cutting and long blade life, for heavy usage, to meet the need of the most demanding applications.



PRO

Norton Clipper Pro is a professional quality range designed for frequent use. The Pro range offers great performance in speed of cut and blade life.



CLASSIC

Norton Clipper Classic is a range of standard diamond tools for low frequency use, providing a good quality to performance ratio.

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



CERAMIC
Extreme, Pro, Classic



MULTI-MATERIALS
Pro 4x4 Explorer, 2x2



UNIVERSAL
Extreme, Pro, Classic



NATURAL STONE
Extreme, Pro



REFRACTORY
Extreme, Pro



ASPHALT
Extreme, Pro, Classic



INNOVATION

**A PREMIUM CUTTING
SILENT DIAMOND BLADE**



DIAMOND BLADES FOR CONCRETE & REINFORCED CONCRETE

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

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.

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



MACHINES	DIA (mm)	BORE (mm)	SEGMENT H/W (mm)	PK QTY	ART NO.
	230	22,23	17/2,8	1	70184601168
	300	20	15/3,2	1	70184629000
	300	25,4	15/3,2	1	70184642421
	350	25,4	15/3,2	1	70184628999
	350	25,4	15/3,2	1	70184628997
	450	25,4	15/3,2	1	70184631020
	500	25,4	15/3,2	1	70184630416





DIAMOND BLADES FOR UNIVERSAL BUILDING MATERIALS

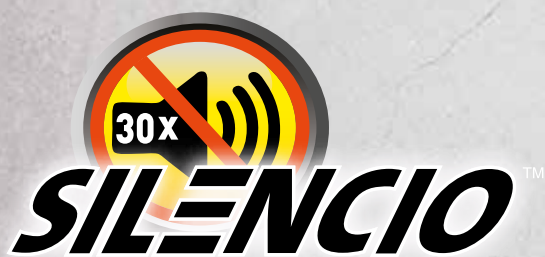
Cured concrete, kerbs, concrete pipes, bricks, block paving, flagstones and paving stones, washed gravel concrete slabs, natural stone, sandstone, limestone, flint.

PRODUCT SELECTION GUIDE

Highly Recommended ✓✓
Recommended ✓



MATERIALS	EXTREME UNIVERSAL SILENCIO	PRO UNIVERSAL SILENCIO	PRO UNIVERSAL TP	PRO UNIVERSAL LASER	CLASSIC UNIVERSAL TURBO	CLASSIC UNIVERSAL LASER	X-LOCK UNIVERSAL LASER
	INNOVATION	++++	++++	++++	+++	+++	+++
Steel							
Granite	✓✓						
Engineering bricks	✓✓	✓		✓			✓
Cured concrete	✓✓	✓✓		✓✓	✓	✓✓	
Clay/pipes/paviors	✓✓						✓✓
Marble	✓						
Hard paviors	✓✓	✓✓		✓✓	✓	✓✓	
Clay roof tiles	✓	✓		✓	✓	✓	✓
Terrazo							
Facing bricks	✓✓	✓✓		✓✓	✓	✓	✓✓
Reinforced concrete	✓✓	✓✓		✓✓	✓	✓✓	
Concrete paving slabs	✓✓	✓✓		✓✓	✓	✓✓	✓✓
Concrete pipes/kerbs	✓✓	✓✓		✓✓	✓	✓✓	✓✓
Slate							
Limestone concrete	✓✓	✓✓		✓✓	✓	✓	
Medium block paviors	✓✓	✓✓		✓✓	✓	✓✓	✓✓
Concrete roof tiles	✓	✓✓		✓✓	✓	✓✓	✓
Sandstone	✓✓						
Asphalt over concrete							
Breeze blocks		✓✓		✓✓			
Tarmac top blocks							
Mortar jointing			✓✓				



INNOVATION

A PREMIUM CUTTING SILENT DIAMOND BLADE



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.

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



MACHINES	DIA (mm)	BORE (mm)	SEGMENT H/W (mm)	PK QTY	ART NO.
	300	25,4	15/2,8	1	70184640269
	350	25,4	15/2,8	1	70184628998
	400	25,4	15/3,1	1	70184640270
	500	25,4	15/3,2	1	70184630309



PRO UNIVERSAL SILENCIO **++++**

- 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	DIA (mm)	BORE (mm)	SEGMENT H/W (mm)	PK QTY	ART NO.
	115	22,23	12/2,2	1	70184607952
	125	22,23	12/2,2	1	70184607953
	230	22,23	12/2,6	1	70184608410
	350	25,4	12/3,1	1	70184602811



PRO UNIVERSAL LASER **++++**

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



MACHINES	DIA (mm)	BORE (mm)	SEGMENT H/W (mm)	PK QTY	ART NO.
	115	22,23	12/2,2	1	70184607493
	125	22,23	12/2,3	1	70184607684
	150	22,23	12/2,2	1	70184607685
	150	30	12/2,2	1	70184607693
	180	22,23	12/2,5	1	70184607686
	180	30	12/2,5	1	70184607687
	230	22,23	12/3,0	1	70184603038
	300	20	12/3,1	1	70184607689
	300	25,4	12/3,1	1	70184607690
	350	20	12/3,2	1	70184607691
	350	25,4	12/3,2	1	70184607692
	350	25,4	10/2,8	1	70184611209
	400	25,4	10/2,5	1	70184610679
	400	25,4	10/3,2	1	70184625951
	450	25,4	10/3,2	1	70184625952
	500	25,4	10/3,2	1	70184625953



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	DIA (mm)	BORE (mm)	SEGMENT H/W (mm)	PK QTY	ART NO.
	115	22,23	6,5/4,5	1	70184610712
	115	22,23	6,5/6,5	1	70184610305
	125	22,23	6,5/4,5	1	70184610713
	125	22,23	6,5/6,5	1	70184610307
	125	22,23	6,5/8,0	1	70184610716



CLASSIC UNIVERSAL TURBO **+++**

- An economical solution
- Continuous rimmed blade
- Use dry or wet







MACHINES	DIA (mm)	BORE (mm)	SEGMENT H/W (mm)	PK QTY	ART NO.
	115	22,23	10/2,2	1	70184626814
	125	22,23	10/2,2	1	70184626815
	180	22,23	10/2,4	1	70184626816
	230	22,23	10/2,6	1	70184626818



CLASSIC UNIVERSAL LASER

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







MACHINES	DIA (mm)	BORE (mm)	SEGMENT H/W (mm)	PK QTY	ART NO.
	115	22,23	7/2,2	1	70184626834
	125	22,23	7/2,2	1	70184626835
	180	22,23	7/2,5	1	70184626837
	230	22,23	10/2,5	1	70184626838



CLASSIC UNIVERSAL

- An economical solution
- Use dry or wet
- Sintered blade



MACHINES	DIA (mm)	BORE (mm)	SEGMENT H/W (mm)	PK QTY	ART NO.
	115	22,23	10/1,8	1	70184626806
	125	22,23	10/1,8	1	70184626807
	180	22,23	10/2,2	1	70184626809
	230	22,23	10/2,4	1	70184626810





DIAMOND BLADES FOR MULTI MATERIALS

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

Highly Recommended ●
Recommended ●



MATERIALS	INVINCIBLE	PRO 4x4 EXPLORER	PRO UNIVERSAL DUCTILE
	INNOVATION	++++	++++
Steel	✓	✓	✓
Granite	✓✓	✓✓	
Engineering bricks	✓✓		
Cured concrete	✓✓	✓✓	
Clay / pipes / paviers	✓✓	✓✓	
Quarry tiles	✓✓	✓✓	
Marble	✓✓	✓	
Hard paviers	✓✓	✓	
Clay roof tiles	✓✓		
Terrazo		✓✓	
Facing bricks	✓✓	✓	
Reinforced concrete	✓✓	✓✓	✓
Concrete paving slabs	✓✓	✓✓	✓
Concrete pipes / kerbs	✓✓	✓✓	✓
Slate	✓✓	✓✓	
Plastic tube & pipes			✓✓
Composite and fibre tubes			✓✓
Ductile iron			✓✓
Metal Sheet and steel bar / rebar			✓✓
Angle Iron			✓



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



**SUPER SAFE,
POWERFUL
PERFORMANCE**

INVINCIBLE BLADES

INVINCIBLE

- **INVINCIBILITY** - Second generation iHD auto-attachment technology makes blade segments Invincible and the blade itself, incredibly safe to use.
- **DEPENDABILITY** - No mounting/demounting required, you can rely on Invincible to cut through all building materials.
- **VERSATILITY** - Invincible works well with any sidekick; battery powered or regular angle grinder.
- **SPEED AND POWER** - Our 'Man of Steel' cuts through material quickly and easily.



MACHINES	DIA (mm)	BORE (mm)	SEGMENT H/W (mm)	PK QTY	ART NO.
	115	22,23	12/2,2	1	70184603342
	125	22,23	12/2,2	1	70184603343
PER KIT OF 10 BLADES WITH A CARDBOARD DISPLAY:					
	115	22.23	12/2,2	10	70184607642
	125	22.23	12/2,2	10	70184607643



NO CORD, NO PROBLEM.

Invincible blades, available in 115mm (70184603342) and 125mm (70184603343), are designed specifically to form a 'dynamic duo' with all battery powered machines.



4X4 EXPLORER



FASTER CUTTING, LONGER LIFE, IMPROVED SAFETY & GREATER COMFORT



PRO 4X4 EXPLORER

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

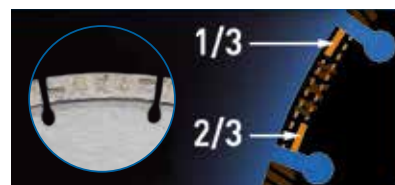
- Multipurpose blade cuts all materials
- Up to 12mm segment height for more cuts per wheel
- Trapezoid shaped segments give a comfortable, smoother cut with lower vibration levels
- Patented cut depth indicator allows better visibility of cut depth when in use
- Keep track of segment wear with the specially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



APPLICATIONS

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

MACHINES	DIA (mm)	BORE (mm)	SEGMENT H/W (mm)	PK QTY	ART NO.
	115	22,23	10/2,2	1	70184602018
	125	22,23	10/2,2	1	70184602019
	180	22,23	10/2,5	1	70184602020
	230	22,23	12/2,5	1	70184602021
	300	20	12/3,0	1	70184602022
	300	25,4	12/3,0	1	70184602023
	350	20	12/3,2	1	70184602091
	350	25,4	12/3,2	1	70184602093
	400	25,4	12/3,2	1	70184602095
	400	20	12/3,2	1	70184602094
	450	25,4	12/3,2	1	70184602096



Segment wear indicator



Patented cutting depth indicator

DIAMOND BLADES FOR MULTI MATERIALS

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	DIA (mm)	BORE (mm)	SEGMENT H/W (mm)	PK QTY	ART NO.
	115	22,23	2,8	1	70184694459
	125	22,23	2,8	1	70184694460
	180	22,23	2,8	1	70184694461
	230	22,23	3,1	1	70184694462
	300	20	3,4	1	70184694463
	350	25,4	3,4	1	70184694464
	400	20	3,3	1	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	DIA (mm)	BORE (mm)	SEGMENT H/W (mm)	PK QTY	ART NO.
	125	22,23	2,5	1	70184601374





DIAMOND BLADES FOR CERAMIC & PORCELAIN TILES

Ceramic and porcelain tiles, vitrified reconstituted stone, glass, textured glass, glazed ceramic tiles, granite, marble, slate and hard natural stone.

PRODUCT SELECTION GUIDE

Highly recommended ●
Recommended ○



MATERIALS	EXTREME CERAMIC TURBO	PRO CERAMIC	PRO MARMO	CLASSIC CERAMIC	X-LOCK CERAMIC
	+++++	++++	++++	+++	+++
Steel					
Granite	✓✓	✓	✓✓		✓✓
Clay/pipes/paviors		✓			
Quarry tiles	✓✓	✓		✓	✓✓
Marble	✓	✓✓	✓✓	✓	✓
Terrazo	✓✓	✓✓			✓✓
Facing bricks	✓				✓
Concrete pipes/kerbs	✓✓				✓✓
Slate	✓✓	✓✓		✓	✓✓



clipper®

+++++

**QUALITY CUTTING OF
HARD CERAMIC TILES**



EXTREME CERAMIC TURBO

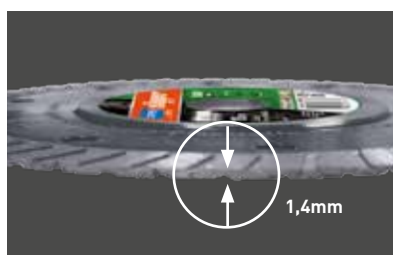
- This 10mm high continuous rim blade is the perfect choice for a high quality cut
- Premium diamond grade and free cutting metal bond make this blade perfect for cutting even the hardest tiles
- 1,4mm thickness for fast cutting and reduced material wastage
- The reinforced flange on the steel centre 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 porcelain, ceramic, vitreous, marble, terracotta, granite, slate, reconstituted stone, floor and wall tiles



MACHINES	DIA (mm)	BORE (mm)	SEGMENT H/W (mm)	PK QTY	ART NO.
	115	22,23	10/1,4	1	70184644759
	125	22,23	10/1,4	1	70184644760
	200	25,4	10/1,4	1	70184625427
	230	22,23	10/1,4	1	70184621973
	250	25,4	10/1,6	1	70184625428
	300	25,4	10/1,9	1	70184625429



10mm high diamond rim



1,4mm thick blade



Fast cutting continuous rim

PRO CERAMIC **++++**

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



MACHINES	DIA (mm)	BORE (mm)	SEGMENT H/W (mm)	PK QTY	ART NO.
<i>Wet & dry cutting</i>					
	115	22,23	9/1,6	1	70184625942
	125	22,23	9/1,6	1	70184625940
	230	22,23	9/2,2	1	70184625946
<i>Wet cutting only</i>					
	180	25,4/22,23	9/1,6	1	70184625561
	200	25,4	9/1,6	1	70184625093
	230	25,4	9/1,6	1	70184625096
	250	25,4	9/1,6	1	70184625097
	300	25,4	9,5/2,0	1	70184625098
	350	25,4	9,5/2,0	1	70184625100



CLASSIC CERAMIC **+++**

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



MACHINES	DIA (mm)	BORE (mm)	SEGMENT H/W (mm)	PK QTY	ART NO.
	115	22,23	7/1,6	1	70184626825
	125	22,23	7/1,6	1	70184626826
	180	25,4/22,23	7/1,7	1	70184626828
	200	30/25,4	7/1,7	1	70184626829
	230	22,23	7/1,8	1	70184626830



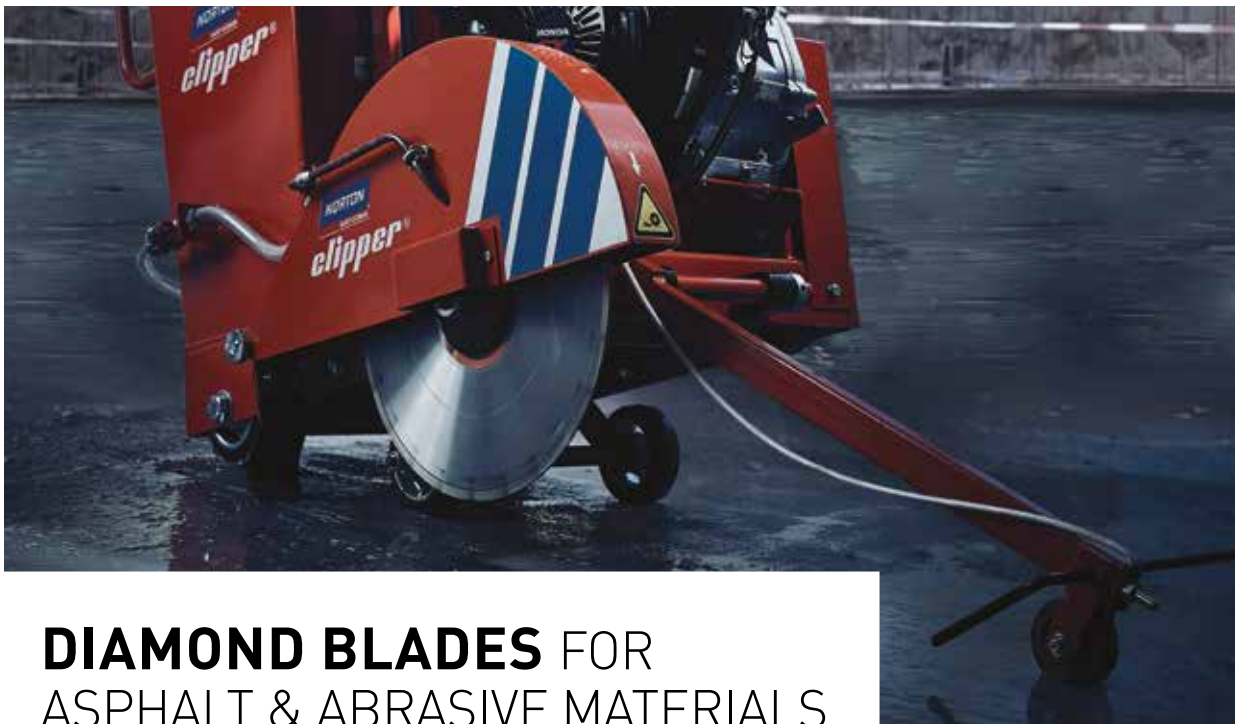
PRO MARMO

- 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	DIA (mm)	BORE (mm)	SEGMENT H/W (mm)	PK QTY	ART NO.
	50	6	2,4	1	70184629965
	115	22,23	2,4	1	70184626663
	125	22,23	2,4	1	70184626666





DIAMOND BLADES FOR ASPHALT & ABRASIVE MATERIALS

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

PRO ASPHALT ++++

- 12mm high continuous rim blade
- Ideal for universal use on general materials and stone
- Reinforcement flanges around the bore ensure rigidity and straight cutting under the most demanding conditions
- Use dry or wet



MACHINES	DIA (mm)	BORE (mm)	SEGMENT H/W (mm)	PK QTY	ART NO.
	300	25,4	10/2,8	1	70184623184
	350	25,4	10/3,2	1	70184623186



QUICK FIX

The system allows for blades bore to be adjusted 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)	ART NO.
	25,4	22,23	70184623894
	25,4/22,23	20	70184622589





clipper®

INNOVATION

**THE ULTIMATE SURFACE
GRINDING PERFORMANCE**



CUP GRINDERS FOR CONCRETE & BUILDING MATERIALS

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

EXTREME CG COMFORT **+++++** INNOVATION

- 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



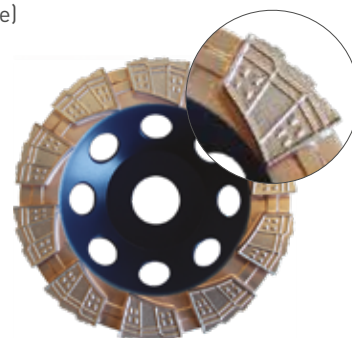
MACHINES	DIA (mm)	CUP HEIGHT (mm)	BORE (mm)	SEGMENT H/W (mm)	PK QTY	ART NO.
	100	20	22,23	4,5	1	70184607656
	125	25	22,23	4,5	1	70184602648
	180	30	22,23	4,5	1	70184607657



See page 07 for more information
on merchandising displays

PRO CG **++++**

- High material removal rate
- Low vibration for better comfort when in use
- i-HD manufacturing technology ensures long life and a good standard of finishing
- For surfacing and grinding medium hardness construction and building materials (concrete, reinforced concrete, natural stone)



MACHINES	DIA (mm)	CUP HEIGHT (mm)	BORE (mm)	SEGMENT H/W (mm)	PK QTY	ART NO.
	100	19	22,23	4,5	1	70184694988
	125	24	22,23	4,5	1	70184694989
	180	29	22,23	4,5	1	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



MACHINES	DIA (mm)	CUP HEIGHT (mm)	BORE (mm)	SEGMENT H/W (mm)	PK QTY	ART NO.
	100	19	22,23	4,5	1	70184694995
	125	24	22,23	4,5	1	70184694996
	180	29	22,23	4,5	1	70184601079

PRO CG-PCD LOW VIBRATION **++++**

- 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



H = 18mm



MACHINES	DIA (mm)	CUP HEIGHT (mm)	BORE (mm)	PCD ELEMENTS	PK QTY	ART NO.
	125	18	22,23	12pcs	1	70184645886

CUP GRINDERS FOR CONCRETE & BUILDING MATERIALS


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



H = 19mm




MACHINES	DIA (mm)	CUP HEIGHT (mm)	BORE (mm)	PCD ELEMENTS	PK QTY	ART NO.
	125	19	22,23	12pcs	1	70184693445

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	DIA (mm)	BORE (mm)	SEGMENT H/W (mm)	PK QTY	ART NO.
	125	M14	25 / 3,9	1	70184602036

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	DIA (mm)	BORE (mm)	SEGMENT H/W (mm)	PK QTY	ART NO.
	100	M14	25 / 3,9	1	70184641171
	125	M14	25 / 3,9	1	70184641172













DRILLING CORE BITS FOR CONCRETE

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.

PRO CB BETON CROWNED

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



MACHINES	DIA (mm)	USEFUL LENGTH (mm)	SEGMENT HEIGHT (mm)	PK QTY	ART NO.
	14	300	10	1	70184612947*
	18	300	10	1	70184612824
	22	300	10	1	70184612826
	25	300	10	1	70184612827
	28	300	10	1	70184612828
	30	300	10	1	70184612829
	32	300	10	1	70184612830
	35	300	10	1	70184612831
	40	300	10	1	70184612834
	51	300	10	1	70184612835

















* Made to order



PRO CB BETON SEGMENTED

- 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













MACHINES	DIA (mm)	USEFUL LENGTH (mm)	SEGMENT HEIGHT (mm)	PK QTY	ART NO.
	52	450	10	1	70184624870
	62	450	10	1	70184624872
	72	450	10	1	70184624874
	82	450	10	1	70184624876
	102	450	10	1	70184624880
	107	450	10	1	70184624881
	112	450	10	1	70184624882
	122	450	10	1	70184624883
	127	450	10	1	70184624884
	132	450	10	1	70184624885
	152	450	10	1	70184624887
	162	450	10	1	70184624888
	182	450	10	1	70184624890
	202	450	10	1	70184624892
	252	450	10	1	70184624895
	300	450	10	1	70184624897




















CLASSIC CB BETON

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



MACHINES	DIA (mm)	USEFUL LENGTH (mm)	SEGMENT HEIGHT (mm)	PK QTY	ART NO.
	51	450	10	1	70184613201
	56	450	10	1	70184613202
	61	450	10	1	70184613203
	66	450	10	1	70184613204
	71	450	10	1	70184613205
	76	450	10	1	70184613206
	81	450	10	1	70184613207
	86	450	10	1	70184613208
	91	450	10	1	70184613209
	101	450	10	1	70184613210



MACHINES	DIA (mm)	USEFUL LENGTH (mm)	SEGMENT HEIGHT (mm)	PK QTY	ART NO.
	106	450	10	1	70184613211
	111	450	10	1	70184613212
	121	450	10	1	70184613213
	126	450	10	1	70184613214
	131	450	10	1	70184613215
	141	450	10	1	70184613216
	151	450	10	1	70184613217
	161	450	10	1	70184613218
	171	450	10	1	70184613219
	181	450	10	1	70184613220
	191	450	10	1	70184613221*
	201	450	10	1	70184613222
	211	450	10	1	70184613223
	225	450	10	1	70184613252
	251	450	10	1	70184613224
	271	450	10	1	70184613253*
	300	450	10	1	70184613225

Dimensions Key: DIA = Diameter

* Made to order





DRILLING CORE BITS FOR UNIVERSAL BUILDING MATERIALS

For masonry and light building materials on hand held machines.
For plumbers and electricians.

EXTREME CB UNIVERSAL **+++++**

- Useful length: 150mm
- Connection: M16 female thread
- New swirled core for reduced friction and improved dust removal
- For dry-drilling of non-reinforced masonry walls, poroton, concrete blocks and abrasive materials



MACHINES	DIA (mm)	USEFUL LENGTH (mm)	SEGMENT HEIGHT (mm)	PK QTY	ART NO.
	52	150	7	1	70184601792
	65	150	7	1	70184601793
	82	150	7	1	70184601794
	91	150	7	1	70184601874
	102	150	7	1	70184601795
	107	150	7	1	70184601796
	117	150	7	1	70184601797
	127	150	7	1	70184601798
	152	150	7	1	70184601799
	162	150	7	1	70184601800
	202	150	7	1	70184601875

Dimensions Key: DIA = Diameter



CLASSIC CB UNIVERSAL **+++**

- Useful length: 150mm (300mm for diam 28mm)
- Connection: 1/2" BSP Female
- Conical connection shape to improve the mounting of the corebit
- Reduced vibration, increased safety and better comfort
- Easier core extraction
- Optimised for the best balance between drilling speed, product life and comfort



MACHINES	DIA (mm)	USEFUL LENGTH (mm)	SEGMENT HEIGHT (mm)	PK QTY	ART NO.
	28	150	7	1	70184620351
	38	150	7	1	70184620352
	52	150	7	1	70184620353
	65	150	7	1	70184640268
	78	150	7	1	70184620354
	107	150	7	1	70184620355
	117	150	7	1	70184620356
	127	150	7	1	70184620357
	152	150	7	1	70184620358



CLASSIC DS **+++**

- Useful length: 60mm (300mm for diam 28mm)
- Connection: M16 Female
- Application: medium-hard building materials
- Laser-welded segmented drill bit for handheld drilling. Suitable for dry drilling of electrical sockets and switches
- Good value for money



MACHINES	DIA (mm)	USEFUL LENGTH (mm)	SEGMENT HEIGHT (mm)	PK QTY	ART NO.
	68	60	7	1	70184620422
	82	60	7	1	70184620423



TECHNICAL INFORMATION

OPERATING SPEEDS

MAXIMUM OPERATING SPEED		
DIAMETER (mm)	MAX M/S	MAX RPM
100	80	15300
115	80	13300
125	80	12250
150	80	10200
180	80	8500
200	80	7650
230	80	6650
250	80	6100
300	100	6400
350	100	5500
400	100	4800
450	63	2700

NEVER EXCEED THE MAXIMUM OPERATING SPEEDS:

- Hand held blades $\varnothing \leq 230\text{mm}$: 80m/s
- Hand held blades $\varnothing > 230\text{mm}$: 100m/s
- Others: 63m/s

PERSONAL PROTECTION

Safety goggles, ear defenders, safety gloves, dust masks and, if conditions are severe, additional face protection. Leather aprons and safety shoes must be worn.



Wear a mask
(ISO 7010)



Wear protective gloves
(ISO 7010)



Wear eye protection
(ISO 7010)



Wear ear protection
(ISO 7010)



Refer to instruction manual/
booklet
(ISO 7010)



Do not use for face grinding
(ISO 7010)



Do not use for wet grinding
(ISO 7010)



Only suitable for wet grinding

TROUBLESHOOTING

DIAMOND BLADE DOES NOT CUT

Cause	The segments are too hard for the material
Solution	Check if the blade is suitable for the material
Cause	The segments have become blunt
Solution	Sharpen the segments by cutting an abrasive material (e.g. sandstone)
Cause	Insufficient machine power
Solution	Check the voltage, machine power and filters

EXCESSIVE WEAR

Cause	The segment is too soft for the material (e.g. if a blade for hard material is used to cut abrasive material)
Solution	Check if the diamond blade is suitable for the material

CRACKING OF STEEL CENTRE

Cause	The segments are too hard for the material
Solution	Check if the blade is suitable for the material
Cause	Excessive cutting pressure, overheating, material slippage, twisting or jamming in the cut
Solution	Leave the blade to do the work, do not exert too much pressure and allow the blade to cool regularly by leaving it to rotate away from the workpiece for a few seconds

LOOSENING OR CRACKING OF SEGMENTS

Cause	The segments are too hard for the material. This results in the diamond blade bouncing in the cut resulting in cracking segments
Solution	Check if the diamond blade is suitable for the material

SCORCHING OF SEGMENTS

Cause	Excessive cutting pressure causing overheating. This is easily recognisable from the blue colouring where the segments and the steel core are welded together
Solution	Allow the diamond blade to cool regularly by rotating the blade away from the workpiece for a few seconds
Cause	The segments are too hard for the material
Solution	Check if the diamond blade is suitable for the material. Alternatively use less cutting pressure and let the blade do the work

UNDERCUTTING

Cause	Undercutting occurs when the steel core wears faster than the segment, i.e. where the segment and steel core meet. This is usually caused by materials that are highly abrasive. The cutting debris is not removed sufficiently and the steel core is affected. Undercutting is certain to occur if a diamond blade for hard materials is used to cut abrasive materials
Solution	Use a diamond blade suitable for the specific material

SAFETY ADVICE

DOs

Read the safety instructions provided by the abrasives and equipment supplier
Store abrasives in dry, frost-free conditions avoiding wide variations in temperature
Ensure that the product is suitable for its purpose
Handle, store and transport products with care
Examine all products before mounting and periodically during blade use for possible defects or damage (core flatness, fatigue cracks, undercutting, arbor hole damage...)
Check that correct mounting devices are used and that they are clean, undistorted and free from burrs
Ensure that work rests are properly adjusted and secure
Always use a correctly designed and adjusted guard (on the blade and belts)
Ensure that the workpiece is secure
Wear appropriate personal protective equipment at all times
Avoid clogging and uneven wear to ensure that the product is working efficiently
Ensure accordance between product direction arrow / machine rotation
Ensure that all machines using abrasives meet the requirements of the current European machinery directives-CE
Be aware of the hazards likely during the use of abrasives and observe the recommended precautions to be taken: <ul style="list-style-type: none"> • Bodily contact with the abrasive product at operating speed • Injury resulting from product breakage during use • Grinding debris, sparks, fumes and dust generated by the grinding process • Noise • Vibration

DON'Ts

Allow untrained people to use abrasives
Use a product that is damaged or one which has been dropped
Use a product if it cannot be properly identified
Use a machine that is not in good working order or one with defective parts
Force the abrasive onto the mounting device or modify the size of the mounting hole
Exceed the maximum operating speed marked on the product
Apply shock or excessive force to the product or let it overheat
Use mounting flanges which are not clean and flat
Tighten the mounting device excessively
Start the machine until the guard is in place and fastened securely
Continue to use a product if vibration occurs.
Grind on the part of the product which is not designed for the operation
Start the machine with the workpiece in contact with the abrasive product
Grind material for which the product is not designed
Stop the abrasive by applying pressure to its surface, let it stop naturally
Exceed permissible rotation speeds: refer to values engraved on product
Use blades with missing segments or core cracks
Use dry products marked for wet use
Wear loose clothing, ties and jewellery