

NORTON

CONSTRUCTION DISTRIBUTION MARKET

EFFECTIVE 2014

DIAMOND, ABRASIVES
AND EQUIPMENT PRODUCTS



ALL THE **MUSCLE** YOU NEED™

HIGH-SPEED

WALK BEHIND

MASONRY

TILE

PORTABLE HAND-HELD

CORE DRILL

FLOOR CARE



TM



QUICK REFERENCE

Premium Diamond Products



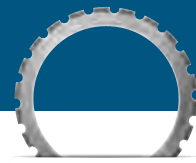
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4X4 MaxCut
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Masonry Saws



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QUICK REFERENCE

Tile Saws



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Tile Saw
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Flat Saws



13HP Gasoline
Mid-Range
Self-Propelled Saws
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20HP Gasoline
Mid-Range
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20HP Electric
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35HP Gasoline
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C13PE Gasoline
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C1318P Gasoline
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C1320P Gasoline
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GC25EUP Early
Entry/Green Small
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GC55 Early Entry/
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Core Drills



DR520/620
Core Drill Rigs
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HDR600C
Hand-Held Core Drill
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HHDET1800
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HHDETOL
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HHD3TOL
Hand-Held Core Drill
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DIAMOND PERFORMANCE TIERS



Best
Best Performance



Better
High Performance



Value and Good
Consistent Performance

TRADEMARKS

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4X4™ MaxCut™
Aero-Jet™
Blockbuster®
BlueFire™
Charger™

Classic™
Clipper®
DUO® EVO™
Durite®
Gemini®

GMAX™
Norton®
Paradigm®
Rescue Runner™
Screen-Bak®

Silencio™
Slicer™
ValuPlus™
VMAX™
X3™

All the Muscle You Need™
The Muscle Behind the Machine®





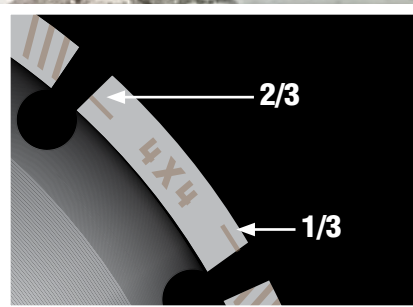
redefining versatility AS A “CUT-ALL” BLADE

Contractors can keep moving from job to job without having to change blades when cutting asphalt, concrete, abrasive material, ductile, rebar, and flat metal. Anti-crack gullets and a specially-tensioned core allow a repeatable cool cut. The Norton 4X4 Max Cut delivers dependable performance and quality assurance that makes the day on the job a little easier.



Anti-Crack Gullet

The patented ellipsoidal gullets increase safety while significantly decreasing the risk of core cracking under the harshest conditions.



Wear Indicator

A new segment design has a built-in blade life gauge to signify 1/3 or 2/3 usage so operator can plan blade change needs.



Patented Depth Indicators

The stroboscopic depth indicators cut into the steel core helps control the depth of each cut, providing a non-wearing directional arrow, which also keeps the blade cool.



Multi-Purpose, All Materials

Concrete, reinforced concrete, granite, building materials, thin steel sections, angle iron up to 1/2" material thickness, rebar up to no. 5.



DRY – SEGMENTED RIM 

4X4 MAX CUT 

Taking high-speed cutting versatility to an all new level. The same standard features as the 4X4 with its anti-crack gullets and patented depth indicators that not only cool the blade but also allow the operator to know how deep they are cutting. An all new bond and diamond specification improves blade life in a wide range of materials while excelling in steel. New segment wear indicators give the operator an idea of remaining blade life.



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 45927 3	4X4MC12118	12 x .118 x 1/20mm	6300	.472"
701846 45926 6	4X4MC14125	14 x .125 x 1/20mm	5460	.472"

4X4 

Multi-purpose laser welded blade for dry cutting a range of construction materials without sacrificing performance or price. Depth of cut is easily controlled with the patented depth-of-cut indicators cut into the steel core. Anti-crack gullets for enhanced safety cutting steel and metal (up to 5mm thick).



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 84548 9	4X412110	12 x .110 x 1/20mm	6300	.393"
701846 84547 2	4X414125	14 x .125 x 1/20mm	5460	.393"

3X3 

It's everything expected for high-speed cutting when both performance and price are a factor. The laser welded 3X3 cuts concrete, reinforced concrete, asphalt and abrasive building materials and more. High quality diamond increases the speed of cut on a variety of materials without changing blades. Premium blade characteristics and price point where it would take multiple sintered blades to achieve.



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 47500 6	3X312118	12 x .118 x 1/20mm	6300	.314"
701846 47499 3	3X314118	14 x .118 x 1/20mm	5460	.314"



proven performance
4X4 MAX CUT



When I showed one of my concrete contractors the new **4X4 Max Cut**, he wondered how it was possible to improve on the standard **4X4** blade. He touts the benefits of the **4X4 Max Cut** to everyone, even his competitors: 'My customers love the crazy long life out of the **4X4 Max Cut** blade. The only problem I have is that the blade lasts too long so I don't sell as many blades! Great for my customers, not so great for my commission check!'

– Steve Wilkie, Applied Tool and Fastener





Reinforced Concrete and Harder Building Materials

Reinforced concrete, hard bricks, limestone, terrazzo, and other hard materials.



DRY – SEGMENTED RIM

DUO EVO

The unique shape of the DUO EVO segments optimizes the angle of attack while enhancing the evacuation of the debris. With a new manufacturing process, the DUO EVO segments provide an exceptional cutting speed for optimum performance and increased life up to 20% over the original DUO EVO design.



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 84217 4	DUOEVO12110	12 x .110 x 1/20mm	6300	.472"
701846 84218 1	DUOEVO14118	14 x .118 x 1/20mm	5460	.590"
701846 84549 6	DUOEVO16125	16 x .125 x 1	4500	.472"

DUO

Our exclusive design, introduced in 2002, has become a dominant name in the market. The unique dual segment per land technology provides excellent cutting speed with low vibration and high comfort of cut. The exclusive arrow shape gullets not only indicate blade direction, but also assist in fast removal of cutting debris. Maximum general purpose performance when cutting medium to low reinforcement, hard materials.



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 83611 1	DUO12110	12 x .110 x 1/20mm	6300	.393"
701846 83612 8	DUO14110	14 x .110 x 1/20mm	5460	.393"
701846 84430 7	DUO14110 6PK	14 x .110 x 1/20mm	5460	.393"
701846 84431 4	DUO14110 12PK	14 x .110 x 1/20mm	5460	.393"
701846 83613 5	DUO14125	14 x .125 x 1/20mm	5460	.393"
701846 84432 1	DUO14125 6PK	14 x .125 x 1/20mm	5460	.393"
701846 84433 8	DUO14125 12PK	14 x .125 x 1/20mm	5460	.393"
701846 83798 9	DUO16125	16 x .125 x 1/20mm	4500	.393"

proven performance
DUO AND DUO EVO

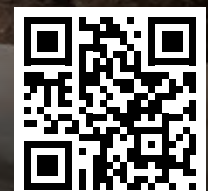


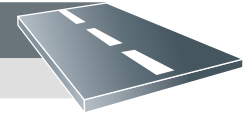
Our firm has had terrific luck with the **DUO** family of blades. The only thing better than a DUO blade is the **DUO EVO**. The speed of cut and life of the DUO EVO blade is second to none.

– Aaron Graveen, Lincoln Contractors Supply



ESTIMATED NUMBER OF CUTS
HARD AGGREGATE STEEL REINFORCED





Asphalt and Abrasive Materials

Asphalt, green concrete, asphalt over concrete, abrasive blocks, mortar and other abrasive materials.

DRY – SEGMENTED RIM +

DUO ASPHALT

Dry cutting laser welded blade for asphalt and green concrete. Laser welded drop segment wear-retardant extends blade life. Scoop gullets for faster swarf removal increases cut speed. Stroboscopic indicators to control cut depth and show rotation direction.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 84543 4	DUOASP12125	12 x .110 x 1/20mm	6300	.393"
701846 84315 7	DUOASP14125	14 x .125 x 1/20mm	5460	.393"
701846 84544 1	DUOASP16125	16 x .125 x 1/20mm	4500	.393"



DUO ABRASIVE

Utilizes the basic characteristics of original DUO blade and adds a unique segment shape that optimizes the angle of attack while enhancing the evacuation of the particles. The result is an exceptional cutting speed allied with very good performance and life in abrasive materials and concrete block. The bond specification lends additional life when high-speed cutting.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 84291 4	DUOAB14110	14 x .110 x 1/20mm	5460	.393"
701846 84292 1	DUOAB14125	14 x .125 x 1/20mm	5460	.393"



NORTON CLASSIC

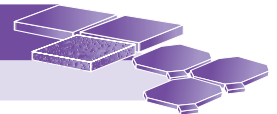
Ideal blade for small to medium size high-speed cutting jobs. Economically priced with good productivity in asphalt, green concrete and other abrasive materials.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 01231 9	CHDASP1420	14 x .125 x 1/20mm	5460	.275"
701846 84429 1	COHSABR1420	14 x .125 x 1/20mm	5460	.275"
076607 01230 5	CHDASP1620	16 x .125 x 1/20mm	4500	.275"



Natural Stone and Tiles

Ceramic and stone tiles, granite, marble, very hard bricks and other very hard and dense materials.



DRY – TURBO RIM +

AERO-JET

Very fast, smooth cutting. The .590" high segment rim adds extremely long life whether cutting wet or dry in hard materials. Exclusive arrow shape protection inserts for precision straight cuts. A ventilated waved steel core for better cooling and intensive use. Exceptional cutting on a very wide range of materials with a high quality finished cut.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 83784 2	AEROHS1220	12 x .110 x 1/20mm	6300	.472"
701846 83785 9	AEROHS1420	14 x .125 x 1/20mm	5460	.472"





General Purpose and Masonry Building Materials

Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.

DRY – SEGMENTED RIM

CHARGER

A high performance, laser welded blade designed with quality segments for cutting concrete and medium hard materials with medium reinforcing.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 56267 8	CGHSGP1420	14 x .125 x 1/20mm	5460	.394"
076607 01229 6	CGHSGP1620	16 x .125 x 1/20mm	4500	.394"



NORTON CLASSIC

The improved bond provides longer life at an economical price in medium hard materials such as concrete with light to medium reinforcement.

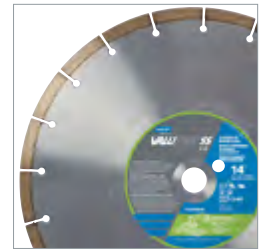
UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 81383 9	COHSGP1220	12 x .110 x 1/20mm	6300	.275"
701846 81309 9	COHSGP1420	14 x .110 x 1/20mm	5460	.275"
701846 84268 6	COHSGP1420P	14 x .125 x 1/20mm	5460	.275"
701846 40356 6	COHSGP1620	16 x .125 x 1/20mm	4500	.275"



VALUPLUS SS

For value and performance on small to medium jobs. Provides fast cutting and the .472" taller sintered super segment (SS) increase blade life. Perfect blade for jobs that require fast dry cutting of abrasive materials.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 84465 9	VPSSHSGP1420	14 x .125 x 1/20mm	5460	.472"



VALUPLUS

For value and performance on small to medium size jobs. The sintered blade cuts unreinforced soft to medium concrete fast on saws up to 13 HP.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 84180 1	VPHSGP1220	12 x .110 x 1/20mm	6300	.393"
701846 84181 8	VPHSGP1420	14 x .110 x 1/20mm	5460	.393"
701846 84428 4	VPHSGP1420 20PK	14 x .110 x 1/20mm	5460	.393"



DRY – TURBO RIM

CHARGER

High performance dry cutting of a variety of materials. The segment specification allows extended life and fast cut for medium to large jobs.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 84524 3	CGHSTS1220	12 x .125 x 1/20mm	6300	.472"
701846 84525 0	CGHSTS1420	14 x .125 x 1/20mm	5460	.472"





Reinforced Concrete and Harder Building Materials

Reinforced concrete, hard bricks, limestone, terrazzo, and other hard materials.

WET – WALL SAW

VMAX PLUS

VMAX Plus steps things up when wall sawing. Having all the same features as the original VMAX, the new bond and diamond specification, in a sandwich segment, increases speed of entry and extends blade life in the toughest applications.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 92149 7	VMAX	24 x .187 x *	1455	.438"
701846 92405 4	VMAX	24 x .210 x *	1455	.438"



VMAX

This revolutionary wall saw blade is unlike anything offered on the market today. Arbor sizes, drive pinholes and adaptations are available upon request in sizes of 20" to 42" diameter. The unique multi-sandwich, laser-welded segment technology provides maximum performance and fast cutting action.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 92493 1	VMAX	20 x .235 x *	1500	.438"
701846 90911 2	VMAX	24 x .187 x *	2550	.438"
701846 90924 2	VMAX	24 x .210 x *	2550	.438"
701846 91031 6	VMAX	24 x .235 x *	2550	.438"
701846 90927 3	VMAX	26 x .235 x *	2350	.438"
701846 90947 1	VMAX	30 x .187 x *	2040	.438"
701846 90926 6	VMAX	30 x .210 x *	2040	.438"
701846 91013 2	VMAX	30 x .235 x *	2040	.438"
701846 91388 1	VMAX	32 x .187 x *	1350	.438"
701846 91305 8	VMAX	32 x .210 x *	1350	.438"
701846 91050 7	VMAX	36 x .235 x *	1700	.438"
701846 91038 5	VMAX	42 x .187 x *	1455	.438"
701846 91039 2	VMAX	42 x .210 x *	1455	.438"



* VMAX & VMAX PLUS have an A34 Arbor

WET – RING SAW

CHARGER

Ideal laser welded blade for wet cutting a wide range of concrete material. Provides faster cutting speeds in general concrete applications with light reinforcing. Great for pre-cutting and follow-up of diamond chain. Includes two rollers.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 84513 7	CGDRGP1400	14 x .165 x 11.3	4365	.393"



ACCESSORY – DIGITAL GAUGES

DIGITAL GAUGES

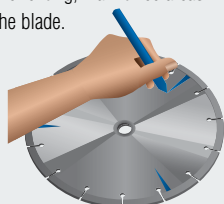
Used for measuring wear on diamond blades and bits to the nearest .001 of an inch. Assures maximum return on diamond rentals.

UPC	PART #	DESCRIPTION
701846 70119 8	YDDGAUGE	Blade Gauge up to 30"
701846 71189 4	YDDGAUGE	Blade Gauge up to 36"
701846 72601 6	YE30011	Digital Gauge Only
701846 71301 6	YDDBIT	Blade/Bit Gauge

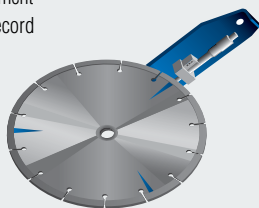


INCREASE RENTAL REVENUE WITH A DIGITAL GAUGE FROM NORTON

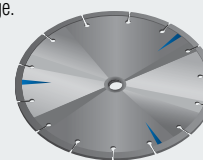
Before renting, mark three areas on the blade.



Measure the diamond segment height at each mark and record the average of the three.



Upon return, measure the same three areas and record the average. Subtract this amount from the original average. The difference is the amount of segment used and can be multiplied by your pre-set usage rate.





Rescue, Demolition

Ductile, steel, polyvinyl pipe, thin steel plate, acrylic sheet, fiberglass, rubber, standard glass, wood, concrete, brick, asphalt.



DRY – CONTINUOUS RIM



RESCUE RUNNER



When seconds count, reach for the Norton Rescue Runner. The specially tempered steel core provides maximum durability under the toughest conditions on many materials. A new diamond placement technology allows diamonds to cut in both directions for quick cutting.

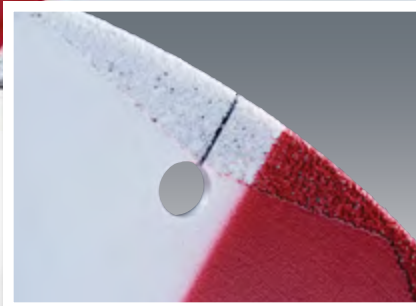


UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 84426 0	NXHSRR1220	12 x .140 x 1/20mm	6300	.275"
701846 84361 4	NXHSRR1420	14 x .140 x 1/20mm	5460	.275"

proven performance
RESCUE RUNNER

“ The best thing about this blade is it always works. While operating at a strip mall fire, our tower was assigned vent work. The guys that operated that night stated that it out cut the other saws working that fire. They cut several different holes without having to change blades and were able to continue working without missing a beat. They cleaned the blade up, flipped it over and it was ready to meet its next challenge.

– FF/PM Chris Wilson, Bloomingdale Fire District



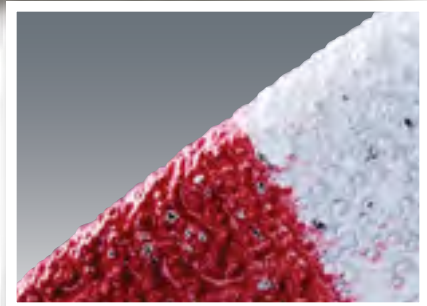
Bidirectional Blade Usage

The symmetrical diamond pattern placement allows the quick blade mounting without worry of proper direction.



Universal Arbor

The universal arbor allows the Rescue Runner to be used on both 1" and 20mm high-speed cutting gas and electric saws.



Faster Cutting and Longer Life

The bonding system allows the diamond to resist premature release providing longer diamond life and speed of cut.



Multi-Purpose, All Materials

Concrete, reinforced concrete, granite, building materials, thin steel sections, angle iron up to 1/2" material thickness, rebar up to no. 5.

REINFORCED CUT-OFF WHEELS

GEMINI METAL - HEAVY DUTY

High-performance aluminum oxide grain wheels designed for general purpose cutting of all steel and stainless applications. Triple reinforcement ensures longer life and smoother cutting.

UPC	SIZE	MAX RPM	STD PKG
662528 36708 1	12 x 1/8 x 1/20mm	6360	10
662528 35386 2	14 x 1/8 x 1/20mm	5400	10



GEMINI METAL

For metal and steel cutting application, including rebar, steel pipe, structural steel, sheet metal, cable and small to medium diameter solid pieces.

UPC	PART #	SIZE	MAX RPM	STD PKG
662528 37838 4	HSM12UA	12 x 1/8 x 1/20mm	6360	10
662528 37841 4	HSM14UA	14 x 1/8 x 1/20mm	5400	10
662528 30886 2	HSM16UA	16 x 1/8 x 1/20mm	4800	10



GEMINI METAL DECKING

High-performance aluminum oxide grain combined with a thicker wheel that stands up to the sharp edges of sheet metal and roof decking.

UPC	PART #	SIZE	MAX RPM	STD PKG
662528 32521 0	HSM14UA	14 x 1/8 x 1/20mm	5400	10



GEMINI RAIL STEEL

A finer grit, harder grade aluminum oxide wheel designed for straight, fast cuts on all sized of rail track.

UPC	SIZE	MAX RPM	STD PKG
662532 60462 2	14 x 1/8 x 1	5400	10
662532 59935 5	16 x 1/8 x 1	4800	10



GEMINI DUCTILE - HEAVY DUTY

A special blend of silicon carbide abrasive for cutting, aluminum oxide abrasive for longer life, and three pieces of reinforcement, designed to cut ductile and cast iron pipe, concrete-lined water pipes, sewer and heavy duty PVC.

UPC	SIZE	MAX RPM	STD PKG
662528 35388 6	14 x 1/8 x 1	5400	10



GEMINI DUCTILE

For ductile iron and cast iron pipe – formulated with a special blend of silicon carbide (for cutting) and aluminum oxide (for long life). This specification is also suitable for cutting PVC.

UPC	PART #	SIZE	MAX RPM	STD PKG
662528 37840 7	HSD12UA	12 x 1/8 x 1/20mm	6360	10
662528 37843 9	HSD14AU	14 x 1/8 x 1/20mm	5400	10





Reinforced Concrete and Harder Building Materials

Reinforced concrete, hard bricks, limestone, terrazzo, and other hard materials.

REINFORCED CUT-OFF WHEELS

GEMINI CONCRETE - HEAVY DUTY

Coarse grit silicon carbide abrasive provides a low initial cost solution for cutting brick, block, concrete or other masonry materials. A thicker blade with triple reinforcement provide longer cutting with less down time blade changes.

UPC	SIZE	MAX RPM	STD PKG
662528 36709 8	12 x 1/8 x 1/20mm	6360	10
662528 35387 9	14 x 1/8 x 1/20mm	5400	10



GEMINI CONCRETE

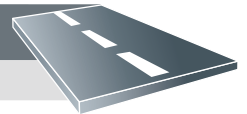
For brick, block, concrete and other masonry materials. Silicon carbide specification for aggressive cutting.

UPC	PART #	SIZE	MAX RPM	STD PKG
662528 37839 1	HSC12UA	12 x 1/8 x 1/20mm	6360	10
662528 37842 1	HSC14UA	14 x 1/8 x 1/20mm	5400	10
701846 23029 2	HSC16UA	16 x 1/8 x 1/20mm	4800	10



Asphalt and Abrasive Materials

Asphalt, green concrete, asphalt over concrete, abrasive blocks, mortar and other abrasive materials.



REINFORCED CUT-OFF WHEELS

GEMINI ASPHALT

A special blend of extra coarse silicon carbide abrasive grains provides a low initial cost solution for cutting asphalt, green concrete, asphalt over concrete, a wide range of aggregates and abrasive materials.

UPC	PART #	SIZE	MAX RPM	STD PKG
701846 70243 0	YPAHA12532UA	12 x 1/8 x 1/20mm	6360	10
701846 72877 5	YPAHA14UA	14 x 1/8 x 1/20mm	5400	10



Rescue, Demolition

Ductile, steel, polyvinyl pipe, thin steel plate, acrylic sheet, fiberglass, rubber, standard glass, wood, concrete, brick, asphalt.



REINFORCED CUT-OFF WHEELS

GEMINI RESCUE

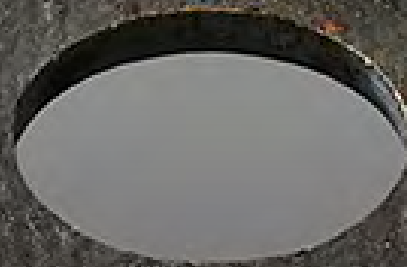
For ventilation, forcible entry, rescue and demolition. A versatile abrasive formula that can be used on a very wide variety of materials including all steels, aluminum, PVC, and masonry materials like tile, concrete, brick and asphalt.

UPC	PART #	SIZE	MAX RPM	STD PKG
662435 78262 3	HSRES14UA	14 x 1/8 x 1/20mm	5400	10



knock out **THE COMPETITION**

Our Norton patent-pending 1"/20mm knock-out arbor fits all gas and electric high speed saws. A 20mm bushing is pre-mounted into the 1" molded arbor hole. The wheel, with the 20mm bushing, can be mounted directly on any 20mm arbor high speed saw. With the bushing removed, exposing the 1" arbor hole, the wheel can be mounted on any 1" arbor high speed saw. Combining this arbor, with heavy-duty triple reinforcing results in a higher performing, extra strong, longer lasting cutting wheel.

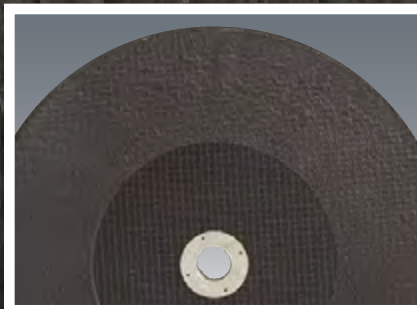


* Once the 20mm bushing is removed, it cannot be replaced.



Universal Arbor

Norton's universal arbor allows the abrasive blade to be used on either a 1" or 20mm high-speed gas or electric cut-off saw. Also reduces inventory.



Reinforcement Options

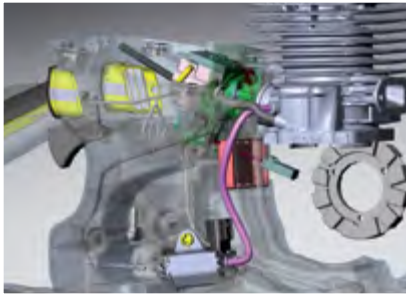
Metal, ductile, and concrete blades all have options with triple reinforcement adding to life and a smoother cut.



High-Performance Grain

Infused with grain technology, where necessary, to offer performance advantages where it counts.

PRODUCT FEATURES



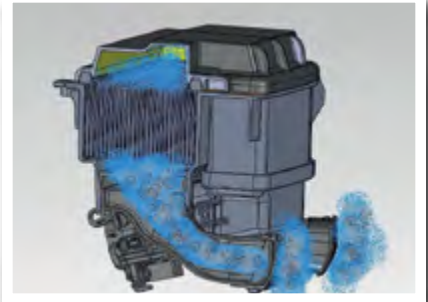
No More Pre-Mixing Oil and Fuel

The patented iLube® option automatically controls mixing of oil and fuel for maximum efficiency. An electronic sensor will indicate a low oil level and adjust the engine to idle to prevent engine damage.



Easy Start – Hot or Cold

The electronic carburetor's electromagnetic valve eliminates the standard choke and half throttle start. The 3-step easy start eliminates the hassle of a choke. Simply turn the switch on, prime the engine, and push the decompression button, then pull the cord to start.



Multi-Stage Air Filtration

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



The Norton Clipper CP500 high-speed cut-off saw may be new to the market, but it's destined to be an asset on any crew. It's fully designed with the user in mind to not only cut a smooth, fast track, but it's also fully equipped to handle the everyday performance of any jobsite with unrelenting durability and reliability. Select a standard model or upgrade to the world's first patented automatic lubrication system, iLube®.

TECHNICAL SPECIFICATIONS	CP512-300	CP512-300i	CP514-350	CP514-350i
Product Number	701846 47559 4	701846 47561 7	701846 47563 1	701846 47565 5
Blade Guard Capacity - in (mm)	12" (305)	12" (305)	14" (356)	14" (356)
Maximum Depth of Cut - in (mm)	4" (100)	4" (100)	5" (125)	5" (125)
Arbor Size - in (mm)	.78 (20)	.78 (20)	.78 (20)	.78 (20)
Blade Flange Diameter - in (mm)	3.93 (100)	3.93 (100)	3.93 (100)	3.93 (100)
Blade Shaft RPM	4,500	4,500	4,500	4,500
Blade Shaft Bearings	Heavy Duty Sealed	Heavy Duty Sealed	Heavy Duty Sealed	Heavy Duty Sealed
Blade Shaft Drive	1 Belt	1 Belt	1 Belt	1 Belt
Control	Hand Held	Hand Held	Hand Held	Hand Held
Chassis	Norton Single-Cylinder Two Stroke Engine	Norton Single-Cylinder Two Stroke Engine	Norton Single-Cylinder Two Stroke Engine	Norton Single-Cylinder Two Stroke Engine
Power Source	Single Cylinder 2 Cycle	Single Cylinder 2 Cycle w/iLube	Single Cylinder 2 Cycle	Single Cylinder 2 Cycle w/iLube
Motor/Engine Type	Norton Clipper	Norton Clipper	Norton Clipper	Norton Clipper
Specifications	CP512-300	CP512-300i	CP514-350	CP514-350i
Maximum Horsepower ¹	5.4 hp (4.0 kW)	5.4 hp (4.0 kW)	5.4 hp (4.0 kW)	5.4 hp (4.0 kW)
Net Horsepower ¹	5.4 hp (4.0 kW)	5.4 hp (4.0 kW)	5.4 hp (4.0 kW)	5.4 hp (4.0 kW)
Max. Torque ft lbs (Nm)	3.54 (4.8)	3.54 (4.8)	3.54 (4.8)	3.54 (4.8)
Displacement - cu in (l)	4.94 (81)	4.94 (81)	4.94 (81)	4.94 (81)
Bore - in (mm)	2.04 (52)	2.04 (52)	2.04 (52)	2.04 (52)
Stroke - in (mm)	1.49 (38)	1.49 (38)	1.49 (38)	1.49 (38)
Cylinders/Cycle	Single Cylinder 2 Cycle	Single Cylinder 2 Cycle	Single Cylinder 2 Cycle	Single Cylinder 2 Cycle
Fuel Capacity - gal (l)	0.23 (0.9)	0.23 (0.9)	0.23 (0.9)	0.23 (0.9)
Oil Capacity - oz (l)	-NA-	10.08 (0.32)	-NA-	10.08 (0.32)
Electronically-Controlled Oil Lubrication	-NA-	YES	-NA-	YES
Air Filter	Heavy Duty 3 Stage	Heavy Duty 3 Stage	Heavy Duty 3 Stage	Heavy Duty 3 Stage
Starter	Manual	Manual	Manual	Manual
Engine Cooling	Forced Air	Forced Air	Forced Air	Forced Air
Electronically-Controlled Carburettor With Smart Choke	YES	YES	YES	YES
*Sound Level ^{2,3} Lpeg	98	98	98	98
(EN ISO 19432 Annex B) dB(A)*				
Sound Power Level ^{2,3} Lweg (EN ISO 19432 Annex B) dB(A)	108	108	108	108
**Weighted Effective Acceleration ^{2,4} ahv,eq	4.5 / 6.0	4.5 / 6.0	4.5 / 6.0	4.5 / 6.0
(EN ISO 19432 Annex C)				
Rear Handle / Top Handle m/s ² **				
Saw Dimensions				
Height - in (mm)	16.93 (430)	16.93 (430)	16.93 (430)	16.93 (430)
Saw Width - in (mm)	10.52 (267)	10.52 (267)	10.52 (267)	10.52 (267)
Maximum Saw Length (Working) - in (mm)	29.53 (750)	29.53 (750)	30.52 (775)	30.52 (775)
Weight - Uncrated - lbs (kg)	22.26 (10.1)	22.92 (10.4)	22.49 (10.2)	23.15 (10.5)
Accessories				
High-Speed Saw Wheel Kit	005101 09845 1	HSS Wheel Kit		
High-Speed Saw Tool Kit	005101 09846 8	HSS Tool Kit		

1. DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER
2. IN DETERMINING THE ABOVE VALUES REGARDING ACCELERATION OF VIBRATIONS AND SOUND, THE DIFFERENT OPERATING CONDITIONS WERE WEIGHED IN ACCORDANCE WITH THE CURRENT STANDARDS
3. INSECURITY K PURS. TO EC DIRECTIVE 2006/42/EC: 2.5 DB(A)
4. INSECURITY K PURS. TO EC DIRECTIVE 2006/42/EC: 2 M/S²



High-Speed Saw Wheel Kit



High-Speed Saw Tool Kit





GMAX DIAMOND BLADES

Designed with a thicker core that resists flexing and provides a straighter cut with less spalling, GMAX makes quick work of early entry/green concrete cutting. The anchor slot gullets reduce vibration for less chipping. And, the exclusive universal arbor adapts to all models.



Anchor Slot Gullet Technology

Increases productivity by reducing vibration, for a smoother cut, while keeping the blade cool and extending life.



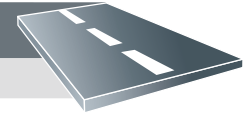
Thicker Core

Resists flexing and provides a straighter and faster cut for less spalling.



Exclusive Universal Arbor

Allows the GMAX blade to be used on most early entry/green concrete saws.



Asphalt and Abrasive Materials

Asphalt, green concrete, asphalt over concrete, abrasive blocks, mortar and other abrasive materials.

DRY – EARLY ENTRY

Having the right blade for green concrete cutting is essential to getting the smoothest cut without spalling. The GMAX diamond blade series with its anchor slot gullet technology reduces vibration that results in chipping and irregular cut patterns. A thick core, special bond and diamond combination allows the blade to cut faster on most all saws, with perfection. Available in three different matrixes to reduce your time on the job in any aggregate type.

GMAX – HARD AGGREGATE

Offers the best friability of diamond to ensure the operator maintains a smooth cut in the hardest materials, like flint and chert.

UPC	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 41868 3	6 x .110 x 1-7/8-5/8	10185	.350"	4.3hp
701846 41863 8	8 x .110" x 1-7/8-5/8	7640	.350"	6hp
701846 41860 7	10 x .110 x 1-7/8-5/8	6115	.350"	13hp
701846 41869 0	13.5 x .125 x 1-7/8-5/8	4365	.350"	23hp



GMAX – MEDIUM/HARD AGGREGATE

For non-to-medium abrasive sand, granite and quartz type materials. The high-quality bond and diamond configuration, along with the core features of the red specification, ensures a smooth, flawless cut.

UPC	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 41867 6	6 x .110 x 1-7/8-5/8	10185	.350"	4.3hp
701846 41864 5	8 x .110" x 1-7/8-5/8	7640	.350"	6hp
701846 41862 1	10 x .110 x 1-7/8-5/8	6115	.350"	13hp
701846 41870 6	13.5 x .125 x 1-7/8-5/8	4365	.350"	23hp



GMAX – MEDIUM/SOFT AGGREGATE

The yellow segment specification makes early entry cutting easy in limestone, granite and other softer aggregate mixtures.

UPC	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 41866 9	6 x .110 x 1-7/8-5/8	10185	.350"	4.3hp
701846 41865 2	8 x .110" x 1-7/8-5/8	7640	.350"	6hp
701846 41861 4	10 x .110 x 1-7/8-5/8	6115	.350"	13hp
701846 41871 3	13.5 x .125 x 1-7/8-5/8	4365	.350"	23hp



DRY – GREEN/CURED CONCRETE

GMAX – MULTI-PURPOSE

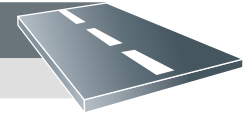
Designed specifically for our GC55/GC25E down-cut green concrete push saw, the GMAX Multi-Purpose blade is excellent in both green and cured concrete. The unique segment specification and anchor slot gullet allows this blade to be used in a variety of applications with outstanding results.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 83758 3	NXDGRN0895	8 x .095 x 7/8-5/8	8730	.295"	6hp
701846 75125 4	EE9110	9 x .110 x 7/8-5/8	6600	.295"	6hp
701846 84508 3	EE10110	10 x .110 x 1-7/8-5/8	6115	.295"	6hp



For precision green cutting, use the GMAX line of early entry blades, up to 10", on the **Norton Clipper GC55** push saw.

See page 54 for details.



Asphalt and Abrasive Materials

Asphalt, green concrete, asphalt over concrete, abrasive blocks, mortar and other abrasive materials.

WET – ASPHALT OVER CONCRETE

CHARGER

Manufactured for asphalt over concrete and other abrasive materials cutting. Designed to run efficiently on flat saws up to 35 HP while producing an even clean cut.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 81485 0	CGWAOC1412	14 x .125 x 1	4365	.326"	35hp
701846 81486 7	CGWAOC1812	18 x .125 x 1	3395	.326"	35hp
701846 81487 4	CGWAOC2415	24 x .155 x 1	2550	.326"	35hp
701846 83395 0	CGWAOC2617	26 x .175 x 1	2350	.326"	35hp
701846 83396 7	CGWAOC3018	30 x .187 x 1	2040	.326"	35hp
701846 83397 4	CGWAOC3618	36 x .187 x 1	1700	.326"	35hp



NORTON CLASSIC

Lower cost but high performance blade ideal for general purpose cutting in asphalt over concrete applications on low horse power saws. Tailored with undercut protection to retard segment wear for maximum debris removal.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 81482 9	CHWAOC1412	14 x .125 x 1	4365	.326"	35hp
701846 81483 6	CHWAOC1812	18 x .125 x 1	3395	.326"	35hp



DRY – CRACK CHASING +

CHARGER

A heavy V-shaped segment designed with a special bond and diamond content for maximum removal of grout, mortar jointing, crack chasing and crack widening. Fast cutting and long life in abrasive materials using portable tools. Highly competitive to others of its kind in the market.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 83856 6	CGCC0400	4 x .375 x 7/8-5/8-20mm	15000	.550"
701846 83859 7	CGCC0700	7 x .375 x 7/8-5/8-20mm	8730	.550"



General Purpose and Masonry Building Materials

Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.



DRY – GENERAL PURPOSE +

CHARGER

A high performance, laser welded blade designed with quality segments for cutting concrete and medium hard materials with medium reinforcing. Best blade for smaller saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
076607 56267 8	CGHSGP1420	14 x .125 x 1/20mm	5460	.472"	20hp
076607 01229 6	CGHSGP1620	16 x .125 x 1/20mm	4725	.472"	20hp





General Purpose and Masonry Building Materials

Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.

DRY – GENERAL PURPOSE

NORTON CLASSIC

The improved bond provides longer life at an economical price in medium hard materials, such as concrete with light to medium reinforcement.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER	
701846 81309	9	COHSGP1420	14 x .110 x 1/20mm	5460	.393"	20hp
701846 84268	6	COHSGP1420P	14 x .125 x 1/20mm	5460	.393"	20hp



VALUPLUS SS

For value and performance on small to medium jobs. Provides fast cutting and the .472" taller sintered super segment (SS) increases blade life. Perfect blade on smaller flat saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER	
701846 84465	9	VPSHSGP1420	14 x .125 x 1/20mm	5460	.472"	13hp



VALUPLUS

For value and performance on small to medium size jobs. The sintered blade cuts unreinforced soft to medium concrete fast on saws up to 13 HP.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER	
701846 84181	8	VPHSGP1420	14 x .110 x 1/20mm	5460	.393"	13hp
701846 84428	4	VPHSGP1420 20PK	14 x .110 x 1/20mm	5460	.393"	13hp



Multi-Purpose, All Materials

Concrete, reinforced concrete, granite, building materials, thin steel sections, angle iron up to 1/2" material thickness, rebar up to no. 5.



DRY – MULTI PURPOSE

4X4 MAX CUT

Taking high-speed cutting versatility to an all new level. The same standard features as the 4X4 with its anti-crack gullets and patented depth indicators that not only cool the blade but also allow the operator to know how deep they are cutting. An all new bond and diamond specification improves blade life in a wide range of materials while excelling in steel. New segment wear indicators give the operator an idea of remaining blade life.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER	
701846 45927	3	4X4MC12118	12 x .118 x 1/20mm	6300	.472"	13hp
701846 45926	6	4X4MC14125	14 x .125 x 1/20mm	5460	.472"	13hp



4X4

Multi-purpose laser welded blade for dry cutting a range of construction materials without sacrificing performance or price. Depth of cut is easily controlled with the patented depth-of-cut indicators cut into the steel core. Anti-crack gullets for enhanced safety cutting steel and metal (up to 5mm thick).

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	
701846 84548	9	4X412110	12 x .110 x 1/20mm	6300	.393"
701846 84547	2	4X414125	14 x .125 x 1/20mm	5460	.393"



a paradigm shift CUTTING CURED CONCRETE

A unique blend specification increase blade speed and product for optimal performance in multiple flat saw horsepower ranges and aggregate types. No need to stock multiple specs when Norton Paradigm can meet all the needs. And, reduced inventory means cash to the bottom line.



New Bond Technology

Allows for extremely fast cutting; even in the hardest aggregates.



Blade Protection

Standard radius drop segments provides additional undercutting protection extending the life of the blade.



Easy to Get Inventory

Comes in a full range of stock inventory of professional blades to cover most market needs.



Reinforced Concrete and Harder Building Materials

Reinforced concrete, hard bricks, limestone, terrazzo, and other hard materials.

WET – HARD AGGREGATES 

PARADIGM 

Paradigm technology combines a unique specification blend that increases blade speed and product life to optimize performance in multiple flat saw horsepower ranges and aggregate types.



UPC	PART #	SIZE	AGGREGATE	SEGMENT HEIGHT	POWER
701846 46313 RDS	C1170	14 x .125 x 1	Soft	.460"	35 - 48hp
701846 46314 RDS	C1170	16 x .125 x 1	Soft	.460"	35 - 48hp
701846 46389	C2370	16 x .125 x 1	Medium	.460"	48 hp+
701846 46319 RDS	C1170	18 x .125 x 1	Soft	.460"	35 - 48hp
701846 46410	C2570	18 x .155 x 1	Hard	.460"	48 hp+
701846 46376	C2170	20 x .155 x 1	Soft	.460"	48 hp+
701846 46394	C2370	20 x .155 x 1	Medium	.460"	48 hp+
701846 46395 RDS	C2370R	24 x .155 x 1	Medium	.460"	48 hp+
701846 46325 RDS	C1170R	26 x .155 x 1	Soft	.460"	35 - 48hp
701846 46397 RDS	C2370R	26 x .155 x 1	Medium	.460"	35 - 48hp
701846 46326 RDS	C1170R	26 x .165 x 1	Soft	.460"	35 - 48hp
701846 46398 RDS	C2370R	26 x .165 x 1	Medium	.460"	48 hp+
701846 46384 RDS	C2160R	36 x .187 x 1	Soft	.410"	48 hp+
701846 46388	C2370	14 x .125 x 1	Medium	.460"	48 hp+
701846 46424	C2680	14 x .125 x 1	Hard	.510"	48 hp+
701846 46337	C1370	18 x .125 x 1	Medium	.460"	35 - 48hp
701846 46374	C2170	18 x .155 x 1	Soft	.460"	48 hp+
701846 46392	C2370	18 x .155 x 1	Medium	.460"	48 hp+
701846 46430	C2680HRAS	20 x .155 x 1	Hard	.510"	48 hp+
701846 46323 RDS	C1170R	24 x .155 x 1	Soft	.460"	35 - 48hp
701846 47288	C1370	24 x .175 x 1	Medium	.460"	35 - 48hp
701846 46361 RDS	C1570R	26 x .155 x 1	Hard	.460"	35 - 48hp
701846 46382 RDS	C2170R	30 x .165 x 1	Soft	.460"	48 hp+
701846 46400 RDS	C2370R	30 x .165 x 1	Medium	.460"	48 hp+
701846 46912 RDS	C3580	30 x .165 x 1	Hard	.510"	66 hp+
701846 47390 RDS	C2770R	30 x .175 x 1	Medium	.460"	48 hp+
701846 46402 RDS	C2360R	36 x .187 x 1	Medium	.410"	48 hp+
701846 46420 RDS	C2560R	36 x .187 x 1	Hard	.410"	48 hp+
701846 46475 RDS	C3360R	42 x .190 x 1	Medium	.410"	66 hp+
701846 46386 RDS	C2160R	48 x .190 x 1	Soft	.410"	48 hp+

CHARGER 

High performance wet cutting hard aggregates with medium reinforcement. The increased diamond depth in the segment specification allows extended life and fast cut for medium to large jobs. Deep sawing is easily achieved on saws up to 35 HP.



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 81363 1	CGWCHD1411	14 x .110 x 1	4365	.410"	35hp
701846 81365 5	CGWCHD1412	14 x .125 x 1	4365	.410"	35hp
701846 81367 9	CGWCHD1812	18 x .125 x 1	3395	.410"	35hp
701846 83918 1	CGWCHD2012	20 x .125 x 1	3055	.410"	35hp
701846 81467 6	CGWCHD2415	24 x .155 x 1	2550	.410"	35hp
701846 83919 8	CGWCHD2417	24 x .175 x 1	2550	.410"	35hp
701846 81471 3	CGWCHD2615	26 x .155 x 1	2350	.410"	35hp
701846 83920 4	CGWCHD3017	30 x .175 x 1	2040	.410"	35hp
701846 83921 1	CGWCHD3618	36 x .187 x 1	1700	.410"	35hp

DRY – HARD AGGREGATES  

DUO EVO 

The unique shape of the DUO EVO and DUO segments optimizes the angle of attack while enhancing the evacuation of the particles. The result is an exceptional cutting speed allied with optimum performance life up to 50% over other blades in critically hard materials. An excellent blade for low horsepower flat saws.



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 84218 1	DUOEVO14118	14 x .118 x 1/20mm	5460	.590"	13hp
701846 84549 6	DUOEVO16125	16 x .125 x 1	4725	.472"	13hp



Reinforced Concrete and Harder Building Materials

Reinforced concrete, hard bricks, limestone, terrazzo, and other hard materials.

WET – MEDIUM AGGREGATES

CHARGER

The steel core is designed to keep the cut straight while the .410" segment height prolongs cutting wear. Suitable for cutting medium aggregates with 35 HP up to 72 HP flat saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 81364	8 CGWCMD1411	14 x .110 x 1	4365	.410"	35hp
701846 81366	2 CGWCMD1412	14 x .125 x 1	4365	.410"	35hp
701846 83963	1 CGWCMD1612	16 x .125 x 1	3820	.410"	35hp
701846 81368	6 CGWCMD1812	18 x .125 x 1	3395	.410"	35hp
701846 83965	5 CGWCMD2012	20 x .125 x 1	3055	.410"	35hp
701846 81468	3 CGWCMD2415	24 x .155 x 1	2550	.410"	35hp
701846 81472	0 CGWCMD2615	26 x .155 x 1	2350	.410"	35hp
701846 83969	3 CGWCMD3618	36 x .187 x 1	1700	.410"	35hp



NORTON CLASSIC

Laser welded blade at an economical price for general purpose cutting of cured concrete, medium hard aggregate and no steel reinforcement. The bond and diamond combination allow fast cutting action on limited horse powered flat saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 81358	7 CHWCGP1411	14 x .110 x 1	4365	.326"	35hp
701846 81359	4 CHWCGP1412	14 x .125 x 1	4365	.326"	35hp
701846 81360	0 CHWCGP1612	16 x .125 x 1	3820	.326"	35hp
701846 81361	7 CHWCGP1812	18 x .125 x 1	3395	.326"	35hp
701846 81362	4 CHWCGP2012	20 x .125 x 1	3055	.326"	35hp
701846 81465	2 CHWCGP2415	24 x .155 x 1	2550	.326"	35hp
701846 83833	7 CHWCGP2615	26 x .155 x 1	2350	.326"	35hp
701846 83386	8 CHWCGP3017	30 x .175 x 1	2040	.326"	35hp



DRY – MEDIUM AGGREGATES

DUO

The original DUO. The innovative, exclusive design introduced in 2002 has become a dominant name in the market. The unique dual segment per land technology provides excellent cutting speed with low vibration and high comfort of cut. The exclusive arrow shape gullets not only indicate blade direction but they also assist in fast removal of cutting debris. Maximum performance when cutting medium to low reinforcement, hard materials – general purpose. Smooth operation when used on 13 HP flat saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 83612	8 DUO14110	14 x .110 x 1/20mm	5460	.393"	13hp
701846 84430	7 DUO14110 6PK	14 x .110 x 1/20mm	5460	.393"	13hp
701846 84431	4 DUO14110 12PK	14 x .110 x 1/20mm	5460	.393"	13hp
701846 83613	5 DUO14125	14 x .125 x 1/20mm	5460	.393"	13hp
701846 84432	1 DUO14125 6PK	14 x .125 x 1/20mm	5460	.393"	13hp
701846 84433	8 DUO14125 12PK	14 x .125 x 1/20mm	5460	.393"	13hp
701846 83798	9 DUO16125	16 x .125 x 1/20mm	4725	.393"	13hp

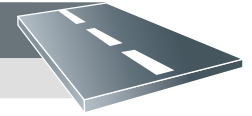


CHARGER

High performance dry cutting concrete in medium hard aggregates and cured concrete. The segment specification allows extended life and fast cut on saws with limited horsepower.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 81418	8 CGDCON1401	14 x .125 x 1	4365	.360"	20hp





Asphalt and Abrasive Materials

Asphalt, green concrete, asphalt over concrete, abrasive blocks, mortar and other abrasive materials.

WET – ASPHALT 

CHARGER 

For large road and construction jobs with saws up to 35 HP. Higher diamond content increases productivity and offers faster cutting and longer life in asphalt and green concrete applications.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 81477	5 CGWASP1411	14 x .110 x 1	4365	.326"	35hp
701846 81478	2 CGWASP1412	14 x .125 x 1	4365	.326"	35hp
701846 83912	9 CGWASP1612	16 x .125 x 1	3820	.326"	35hp
701846 81479	9 CGWASP1812	18 x .125 x 1	3395	.326"	35hp
701846 83927	3 CGWASP2417	24 x .175 x 1	2550	.326"	35hp
701846 83928	0 CGWASP2615	26 x .155 x 1	2350	.326"	35hp
701846 83929	7 CGWASP3017	30 x .175 x 1	2040	.326"	35hp
701846 84024	8 CGWASP3618	36 x .187 x 1	1700	.326"	35hp



NORTON CLASSIC 

An economical choice for fast cutting and good life when performing jobs in a variety of abrasive materials such as green concrete and asphalt on saws up to 35 HP.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 84364	5 CHWASP1225	12 x .250 x 1 Loop Saw	5095	.326"	35hp
701846 84348	5 CHWASP1250	12 x .500 x 1 Loop Saw	5095	.326"	35hp
701846 81374	7 CHWASP1411	14 x .110 x 1	4365	.326"	35hp
701846 81375	4 CHWASP1412	14 x .125 x 1	4365	.326"	35hp
701846 83895	5 CHWASP1612	16 x .125 x 1	3820	.326"	35hp
701846 81376	1 CHWASP1812	18 x .125 x 1	3395	.326"	35hp
701846 83897	9 CHWASP2012	20 x .125 x 1	3055	.326"	35hp
701846 81476	8 CHWASP2415	24 x .155 x 1	2550	.326"	35hp
701846 83900	6 CHWASP2418	24 x .187 x 1	2550	.326"	35hp
701846 83899	3 CHWASP2615	26 x .155 x 1	2350	.326"	35hp
701846 83903	7 CHWASP3018	30 x .187 x 1	2040	.326"	35hp



DRY – ASPHALT  

DUO ASPHALT 

Combines the characteristics of original DUO blade with 8 special wear-retardant drop segments that protect against undercutting. Highest performing blade in asphalt and green concrete. Large scoop gullets for faster debris removal increasing cutting speed. The patented stroboscopic indicators help operators control depth of cut and blade rotation. Performance is optimized when cutting with several passes.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 84315	7 DUOASP14125	14 x .125 x 1/20mm	5460	.393"	20hp
701846 84544	1 DUOASP16125	16 x .125 x 1/20mm	4725	.393"	20hp

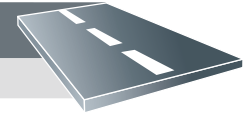


DUO ABRASIVE 

Utilizes the basic characteristics of original DUO blade and adds a unique segment shape that optimizes the angle of attack while enhancing the evacuation of the particles. The result is an exceptional cutting speed allied with very good performance and life in abrasive materials and concrete block. The bond specification lends additional life when high-speed cutting.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 84292	1 DUOAB14125	14 x .125 x 1/20mm	5460	.393"	20hp





Asphalt and Abrasive Materials

Asphalt, green concrete, asphalt over concrete, abrasive blocks, mortar and other abrasive materials.

DRY – ASPHALT (CONTINUED)

CHARGER

High performance dry cutting all kinds of soft and abrasive materials. Excellent blade life and cut speed when dry cutting with 20 HP flat saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER	
701846 81412	6	CGDASP1420	14 x .125 x 1/20mm	5460	.288"	20hp



NORTON CLASSIC

Ideal blade for small to medium size jobs with 20 HP saws. Economically priced with good productivity in abrasive materials.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER	
076607 01231	9	CHDASP1420	14 x .125 x 1/20mm	5460	.263"	20hp
701846 84429	1	COHSABR1420	14 x .125 x 1/20mm	5460	.263"	20hp
076607 01230	2	CHDASP1620	16 x .125 x 1/20mm	4725	.263"	20hp



WET – GREEN CONCRETE

PARADIGM

Green cutting is harsh on the performance of a diamond blade and warrants the highest of quality. Choose from the popular Norton Paradigm series with specification grades to meet the demands of any aggregate mixture.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 43592	RDS G1160R	14 x .145 x 1	4365	.410"	35hp +
701846 44152	RDS G1360R	14 x .190 x 1	4365	.410"	35hp +
701846 44154	RDS G1160R	14 x .250 x 1	4365	.410"	35hp +
701846 44153	RDS G1360R	14 x .250 x 1	4365	.410"	35hp +
701846 91929	RDS G2580R	16 x .145 x 1	3820	.510"	35hp +



NORTON CLASSIC

Ideal blade for yielding a high return on performance to cost ratio. Segments are designed for faster cutting and longer life on smaller flat saws in green concrete.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER	
701846 81473	7	CHWGGP1212	12 x .125 x 1	5095	.295"	35hp
701846 81474	4	CHWGGP1412	14 x .125 x 1	4365	.295"	35hp
701846 81475	1	CHWGGP1812	18 x .125 x 1	3395	.295"	35hp



DRY – GREEN CONCRETE

CHARGER

A high performance, laser welded blade designed for green concrete cutting. High quality segments produce a clean cut with reduced spalling on larger saws up to 20 HP in early entry applications.

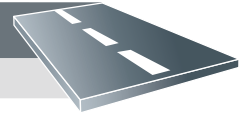
UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER	
701846 81419	5	CGDGRN1201	12 x .125 x 1	5095	.263"	20hp
701846 81420	1	CGDGRN1401	14 x .125 x 1	4365	.263"	20hp





Asphalt and Abrasive Materials

Asphalt, green concrete, asphalt over concrete, abrasive blocks, mortar and other abrasive materials.



REINFORCED CUT-OFF WHEELS

GEMINI ASPHALT - HP



Hot pressed (HP) for higher horsepower machine applications where additional durability is needed.

UPC	SIZE	MAX RPM	STD PKG
701846 70100 6	14 x 3/16 x 1	4365	10
701846 70099 3	14 x 1/4 x 1	4365	5
701846 70103 7	18 x 1/4 x 1	4250	5
701846 48998 0	18 x 3/8 x 1	4250	5



GEMINI ASPHALT - CP



Cold pressed (CP) for lower horsepower machines, which need a free-cutting wheel.

UPC	SIZE	MAX RPM	STD PKG
701846 80324 3	14 x 3/16 x 1	4365	10
701846 70535 6	14 x 1/4 x 1	4365	5
701846 70098 6	18 x 1/4 x 1	4250	5



General Purpose and Masonry Building Materials

Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.



REINFORCED CUT-OFF WHEELS

GEMINI CONCRETE



Silicon carbide specification for brick, block, concrete, and other masonry materials.

UPC	SIZE	MAX RPM	STD PKG
701846 80323 6	14 x 3/16 x 1	4365	10
701846 70533 2	14 x 1/4 x 1	4365	5

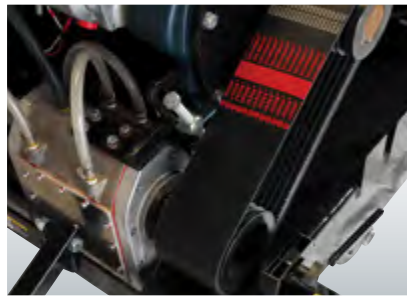


PRODUCT FEATURES



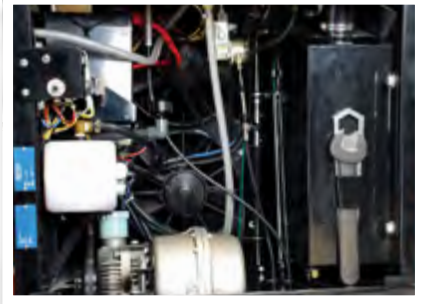
3-Speed Gear Box

Provides multiple shaft speeds without changing belts and pulleys.



Powerband for True Performance

A 10-groove powerband transmits complete power for improved performance.



Removable Panels

Easy access to engine and underneath console is the key to quick preventative maintenance.



It doesn't come any better than having a 3-speed gear box backed by the 59HP, EPA-compliant Kubota, 4 cylinder water cooled turbo diesel engine. It has all the same features as our C59 series but having the convenience of being able to change shaft speeds on the fly allows you to move from blade size and application without downtime. Putting money back into your pocket.

TECHNICAL SPECIFICATIONS	C5926GS	C5930GS	C5936GS
Product Number	701846 45124 6	701846 45125 3	701846 45126 0
Blade Guard Capacity - in (mm)	26" (660)	30" (762)	36" (914)
Maximum Depth of Cut - in (mm)	10-5/8" (270)	12-5/8" (321)	14-5/8" (371)
Arbor Size - in (mm)	1" (25.4)	1" (25.4)	1" (25.4)
Blade Flange Diameter - in (mm)	4-1/2" (114)	6" (152)	6" (152)
Blade Shaft RPM (3-Speed Gearbox)	H/M/L 2220/1490/975	H/M/L 2220/1490/975	H/M/L 2220/1490/975
Blade Size vs. Gear Selection	H=14-20, M=24-30, L=36-42	H=14-20, M=24-30, L=36-42	H=14-20, M=24-30, L=36-42
Blade Shaft Diameter - in (mm)	2" (58)		
Blade Shaft Bearings	Oil Bath		
Gearbox Drive	1 Ten Groove Powerband		
Blade Guard Attachment	Quick Detach Bayonet		
Blade Control	Electro-Hydraulic		
Axle - Front - in (mm)	1" (25.4)		
Axle - Rear - in (mm)	1" (25.4)		
Wheels - Front D x W x B - in (mm)	6"x2-1/2"x1" (152x64x25)		
Wheels - Rear D x W x B - in (mm)	10"x3"x1-1/4" (254x77x31.7)		
Handle Bars/Adjust Length - in (mm)	32-1/2" (826)		
Transmission	Eaton Hydrostatic		
Rear End/Differential Control	Differential - Norton Forward/Reverse Control, Engage/Disengaged Controls and Differential Lock		
Speed	0-220 FPM (Forward) 0-100 FPM (Reverse)		
Chassis	Heavy Duty Jig-welded Box Frame		
Power Source	Diesel Turbo Charged		
Engine Type	Kubota V2403-M-T		
Maximum Horsepower*	59 HP (44.0kw)		
Displacement - cu In (l)	148.5 in. ³ (2,434 cm ³)		
Bore - in (mm)	3.43" (87)		
Stroke - in (mm)	4.03" (102.4)		
Cylinders/Cycle	Four Cylinder Turbo Diesel		
Fuel Capacity - gal (l)	9 gal. (34 l)		
Oil Capacity - qt (l)	10.4 qt (9.5 l)		
Air Filter	Three Stage Sy-Klone		
Starter	Electric		
Engine Cooling	Liquid Cooled		
Saw Dimensions			
Height - in (mm)	53-1/2" (1346)		
Minimum Saw Length (Pointer up and handles in) - in (mm)	70" (1778)		
Maximum Saw Length (Pointer down and handles out) - in (mm)	140-1/2" (3568)		
Maximum Pointer Length - in (mm)	62" (1574)		
Frame Width - in (mm)	31-1/2" (800)		
Saw Width - in (mm)	39-1/2" (1270)		
Front (Outside to Outside Wheel Width) - in (mm)	28" (711)		
Rear (Outside to Outside Wheel Width) - in (mm)	32" (812)		
Blade to Wall - in (mm)	2-1/4" (57)		
Wheel Base Length - in (mm)	20-1/2" (570)		
Weight Crated - lbs (kg)	1885 (855)		
Weight Uncrated - lbs (kg)	1870 (848)		
Accessories			
20" Blade Guard	701846 43382 2	246006	
26" Blade Guard	701846 44384 5	246218	
30" Blade Guard	701846 44385 2	246219	
36" Blade Guard	701846 44386 9	246239	
Blade Guard Adapter Kit	701846 45376 9	246261	
Light Kit w/magnetic base	701846 26513 3	237244	
Water Pump Kit	701846 45877 1	246292	

*= DATA PROVIDED BY ENGINE MANUFACTURER



Blade Guard



Blade Guard Adapter Kit



Water Pump Kit

PRODUCT FEATURES



Convenient Console Design

Ergonomic console and instrument panel allows operator comfort with reduced fatigue.



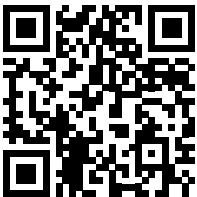
Powerful Engine

All the power you need comes from the Kubota liquid-cooled, turbo-charged diesel engine.



Clean Internal Design

Removable rear and side panels and the roomy internal design makes preventative maintenance easier.



With ample power to finish any sized job, the C59 series is designed for joint-cutting, green or cured concrete and asphalt sawing and is available in 26", 30" and 36" blade capacity. Equipped with a 59HP, EPA-compliant Kubota, 4 cylinder, water-cooled, turbo diesel engine, this machine delivers long, maintenance-free hours of operation. Finished with a strong, clean, simple design and standard features, such as a full ergonomic console, instrument panel and completely enclosed blade shaft with oil bath.

TECHNICAL SPECIFICATIONS	C5926SS	C5930SS	C5936SS
Product Number	701846 44179 7	701846 44180 3	701846 44181 0
Blade Guard Capacity – in (mm)	26" (660)	30" (762)	36" (914)
Maximum Depth of Cut – in (mm)	10-5/8" (270)	12-5/8" (321)	14-5/8" (371)
Arbor Size – in (mm)	1" (25.4)	1" (25.4)	1" (25.4)
Blade Flange Diameter – in (mm)	4-1/2" (114)	6" (152)	6" (152)
Blade Shaft RPM	2,469	2,194	1,340
Blade Shaft Diameter – in (mm)	2" (58)		
Blade Shaft Bearings	Oil Bath		
Blade Shaft Drive	Ten Groove Powerband		
Blade Guard Attachment	Quick Detach Bayonet		
Blade Control	Electro-Hydraulic		
Axle – Front – in (mm)	1" (25.4)		
Axle – Rear – in (mm)	1" (25.4)		
Wheels – Front D x W x B – in (mm)	6"x2-1/2"x1" (152x64x25)		
Wheels – Rear D x W x B – in (mm)	10"x3"x1-1/4" (254x77x31.7)		
Handle Bars/Adjust Length – in (mm)	32-1/2" (826)		
Transmission	Eaton Hydrostatic		
Rear End/Differential	Differential – Norton		
Control	Forward/Reverse Control, Engage/Disengaged Controls and Differential Lock		
Speed	0-220 FPM (Forward)	0-100 FPM (Reverse)	
Chassis	Heavy Duty Jig-welded Box Frame		
Power Source	Diesel Turbo Charged		
Engine Type	Kubota V2403-M-T		
Maximum Horsepower*	59 HP (44.0kw)		
Displacement – cu In (l)	148.5 in.3 (2,434 cm3)		
Bore – in (mm)	3.43" (87)		
Stroke – in (mm)	4.03" (102.4)		
Cylinders/Cycle	Four Cylinder Turbo Diesel		
Fuel Capacity – gal (l)	9 gal. (34 l)		
Oil Capacity – qt (l)	10.4 qt (9.5 l)		
Air Filter	Three Stage Sy-Klone		
Starter	Electric		
Engine Cooling	Liquid Cooled		
Saw Dimensions			
Height – in (mm)	53-1/2" (1346)	53-1/2" (1346)	53-1/2" (1346)
Minimum Saw Length (Transport) – in (mm)	70" (1778)	70" (1778)	70" (1778)
Maximum Saw Length (Working) – in (mm)	140-1/2" (3568)	140-1/2" (3568)	140-1/2" (3568)
Maximum Pointer Length – in (mm)	62" (1574)	62" (1574)	62" (1574)
Frame Width – in (mm)	31-1/2" (800)	31-1/2" (800)	31-1/2" (800)
Saw Width – in (mm)	39-1/2" (1270)	39-1/2" (1270)	39-1/2" (1270)
Front (Outside to Outside Wheel Width) – in (mm)	28" (711)	28" (711)	28" (711)
Rear (Outside to Outside Wheel Width) – in (mm)	32" (812)	32" (812)	32" (812)
Blade to Wall – in (mm)	2-1/4" (57)	2-1/4" (57)	2-1/4" (57)
Wheel Base Length – in (mm)	20-1/2" (570)	20-1/2" (570)	20-1/2" (570)
Weight Crated – lbs (kg)	1825 (821)	1825 (821)	1825 (821)
Weight Uncrated – lbs (kg)	1810 (827)	1810 (827)	1810 (827)
Accessories			
20" Blade Guard	701846 43382 2	246006	
26" Blade Guard	701846 44384 5	246218	
30" Blade Guard	701846 44385 2	246219	
36" Blade Guard	701846 44386 9	246239	
Blade Guard Adapter Kit	701846 45376 9	246261	
Light Kit w/magnetic base	701846 26513 3	237244	
Water Pump Kit	701846 45877 1	246292	

*= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER



Blade Guard

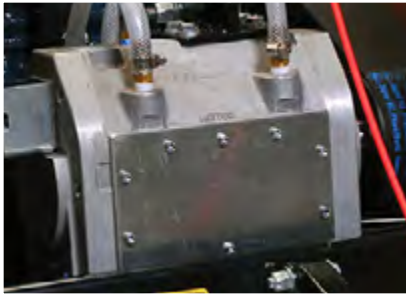


Blade Guard Adapter Kit



Water Pump Kit

PRODUCT FEATURES



3-Speed Gear Box

Provides multiple shaft speeds without changing belts and pulleys.



Interchangeable Blade Guards

Allows sizes from 20" to 36" to be used on the same saw throughout our saw series.



44HP Kubota Engine

More than enough power to get the job done. The Kubota 44HP delivers raw power and long hours of maintenance free life.



The C44GD series of gear box saws brings a compact platform with power enough to finish any job. Perfect for service work with its balanced platform for maximum maneuverability. Interchangeable blade guards for quick changing of sawing applications. Backed by the water-cooled Kubota 44HP turbo diesel engine that is EPA Tier IV and CARB compliant, the C44 with a gear box makes it a saw every fleet should have.

TECHNICAL SPECIFICATIONS	C4426GD	C4430GD	C4436GD
Product Number	701846 42487 5	701846 42489 9	701846 42492 2
Blade Guard Capacity - in (mm)	26" (660)	30" (762)	36" (914)
Maximum Depth of Cut - in (mm)	10-1/2" (267)	12-1/2" (318)	15" (381)
Arbor Size - in (mm)	1" (25.4)	1" (25.4)	1" (25.4)
Blade Flange Diameter - in (mm)	5" (127)	5" (127)	6" (152)
Blade Shaft RPM (3-Speed Gearbox)	H/M/L 2950/1980/1300	H/M/L 2950/1980/1300	H/M/L 2950/1980/1300
Blade Size vs. Gear Selection	H=12-16, M=18-26, L=30-36	H=12-16, M=18-26, L=30-36	H=12-16, M=18-26, L=30-36
Blade Shaft Diameter - in (mm)	1-5/8" (41)		
Blade Shaft Bearings	Oil Bath		
Gearbox Drive	7 Belts		
Blade Guard Attachment	Quick Detach Bayonet		
Blade Control	Electro-Hydraulic		
Axle - Front - in (mm)	1" (25.4)		
Axle - Rear - in (mm)	1" (25.4)		
Wheels - Front D x W x B - in (mm)	6"x2-1/2"x1" (152x64x25)		
Wheels - Rear D x W x B - in (mm)	10"x3"x1" (254x77x25)		
Handle Bars/Adjustment Length - in (mm)	32-1/2" (826)		
Transmission	Eaton Hydrostatic		
Rear End/Differential Control	Differential - Norton Forward/Reverse Control, Engage/Disengaged Controls and Differential Lock		
Speed	0-220 FPM (Forward) 0-100 FPM (Reverse)		
Chassis	Heavy Duty jig-welded box frame		
Power Source	Diesel Turbo Charged		
Engine Type	Kubota		
Specifications	V1505-T-E3B-KEA-1		
Maximum Horsepower*	44 HP (32.8kw)		
Displacement - cu In (l)	91.4 cu in (1,498 l)		
Bore - in (mm)	3.07" (78)		
Stroke - in (mm)	3.09" (78.4)		
Cylinders/Cycle	4 Cylinder Diesel		
Fuel Capacity - gal (l)	5.75 gal (21.7 l)		
Oil Capacity - qt (l)	7.08 qt (6.7 l)		
Air Filter	Three Stage		
Starter	Electric		
Engine Cooling	Liquid		
Saw Dimensions			
Height - in (mm)	50" (1,270)		
Minimum Saw Length (Pointer up and handles in) - in (mm)	64-1/4" (1,632)		
Maximum Saw Length (Pointer down and handles out) - in (mm)	107-1/2" (2,731)		
Maximum Pointer Length - in (mm)	21-1/4" (540)		
Frame Width - in (mm)	27" (686)		
Saw Width - in (mm)	34-3/4" (863)		
Front (Outside to Outside Wheel Width) - in (mm)	17" (432)		
Rear (Outside to Outside Wheel Width) - in (mm)	27-1/2" (699)		
Blade to Wall - in (mm)	2-1/4" (57)		
Wheel Base Length - in (mm)	16-1/2" (419)		
Weight Crated - lbs (kg)	1,240 (562)		
Weight Uncrated - lbs (kg)	1,140 (517)		
ACCESSORIES			
20" Blade Guard	701846 43382 2	246006	
26" Blade Guard	701846 44384 5	246218	
30" Blade Guard	701846 44385 2	246219	
36" Blade Guard	701846 44386 9	246239	
Blade Guard Adapter Kit	701846 45376 9	246261	
Light Kit w/magnetic base	701846 26513 3	237244	
Water Pump Kit	701846 45877 1	246292	

*= DATA PROVIDED BY ENGINE MANUFACTURER



Blade Guard



Blade Guard Adapter Kit



Water Pump Kit

PRODUCT FEATURES



Frame Design

Perfectly balanced allowing optimum operator maneuverability while reducing fatigue.



Instrument Panel

Open panel layout for quick access to critical instrumentation.



Blade Guard Design

Quick-change design reduces labor time, with maintenance-free locking mechanism.



The C44 series is the ideal saw to meet today's demands. High production is found through the Kubota 44HP liquid-cooled turbo diesel engine. Meeting the EPA Tier IV and CARB standards, the Kubota is strong enough to achieve the best results in a variety of applications with long, maintenance-free engine life. With a balanced platform, the C44 puts the right amount of weight over the cut with exceptional free-wheeling maneuverability. Available in 20", 26", 30" and 36" with inter-changing blade guards. Compact, robust with performance.

TECHNICAL SPECIFICATIONS	C4426SD	C4430SD	C4436SD
Product Number	701846 42486 8	701846 42488 2	701846 42490 5
Blade Guard Capacity – in (mm)	26" (660)	30" (762)	36" (914)
Maximum Depth of Cut – in (mm)	10-1/2" (267)	12-1/2" (318)	15" (381)
Arbor Size – in (mm)	1" (25.4)	1" (25.4)	1" (25.4)
Blade Flange Diameter – in (mm)	5" (127)	5" (127)	6" (152)
Blade Shaft RPM	2,300	1,750	1,450
Blade Shaft Diameter – in (mm)	1-5/8" (41)		
Blade Shaft Bearings	Oil Bath		
Blade Shaft Drive	7 Belts		
Blade Guard Attachment	Quick Detach Bayonet		
Blade Control	Electro-Hydraulic		
Axle – Front – in (mm)	1" (25.4)		
Axle – Rear – in (mm)	1" (25.4)		
Wheels – Front D x W x B – in (mm)	6"x2-1/2"x1" (152x64x25)		
Wheels – Rear D x W x B – in (mm)	10"x3"x1" (254x77x25)		
Handle Bars/Adjustment Length – in (mm)	32-1/2" (826)		
Transmission	Eaton Hydrostatic		
Rear End/Differential	Differential – Norton		
Control	Forward/Reverse Control, Engage/Disengaged Controls and Differential Lock		
Speed	0-220 FPM (Forward) 0-100 FPM (Reverse)		
Chassis	Heavy Duty jig-welded box frame		
Power Source	Diesel Turbo Charged		
Engine Type	Kubota		
Specifications	V1505-T-E3B-KEA-1		
Maximum Horsepower*	44 HP (32.8kw)		
Displacement – cu In (l)	91.4 cu in (1,498 l)		
Bore – in (mm)	3.07" (78)		
Stroke – in (mm)	3.09" (78.4)		
Cylinders/Cycle	4 Cylinder Diesel		
Fuel Capacity – gal (l)	5.75 gal (21.7 l)		
Oil Capacity – qt (l)	7.08 qt (6.7 l)		
Air Filter	Three Stage		
Starter	Electric		
Engine Cooling	Liquid		
Saw Dimensions			
Height – in (mm)	50" (1,270)	50" (1,270)	50" (1,270)
Minimum Saw Length (Transport) – in (mm)	64-1/4" (1,632)	64-1/4" (1,632)	64-1/4" (1,632)
Maximum Saw Length (Working) – in (mm)	107-1/2" (2,731)	107-1/2" (2,731)	107-1/2" (2,731)
Maximum Pointer Length – in (mm)	21-1/4" (540)	21-1/4" (540)	21-1/4" (540)
Frame Width – in (mm)	27" (686)	27" (686)	27" (686)
Saw Width – in (mm)	34-3/4" (863)	34-3/4" (863)	34-3/4" (863)
Front (Outside to Outside Wheel Width) – in (mm)	17" (432)	17" (432)	17" (432)
Rear (Outside to Outside Wheel Width) – in (mm)	27-1/2" (699)	27-1/2" (699)	27-1/2" (699)
Blade to Wall – in (mm)	2-1/4" (57)	2-1/4" (57)	2-1/4" (57)
Wheel Base Length – in (mm)	16-1/2" (419)	16-1/2" (419)	16-1/2" (419)
Weight Crated – lbs (kg)	1,180 (536)	1,180 (536)	1,180 (536)
Weight Uncrated – lbs (kg)	1,080 (490)	1,080 (490)	1,080 (490)
Accessories			
20" Blade Guard	701846 43382 2	246006	
26" Blade Guard	701846 44384 5	246218	
30" Blade Guard	701846 44385 2	246219	
36" Blade Guard	701846 44386 9	246239	
Blade Guard Adapter Kit	701846 45376 9	246261	
Light Kit w/magnetic base	701846 26513 3	237244	
Water Pump Kit	701846 45877 1	246292	

Accessories

20" Blade Guard	701846 43382 2	246006
26" Blade Guard	701846 44384 5	246218
30" Blade Guard	701846 44385 2	246219
36" Blade Guard	701846 44386 9	246239
Blade Guard Adapter Kit	701846 45376 9	246261
Light Kit w/magnetic base	701846 26513 3	237244
Water Pump Kit	701846 45877 1	246292

*= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER



Blade Guard



Blade Guard Adapter Kit



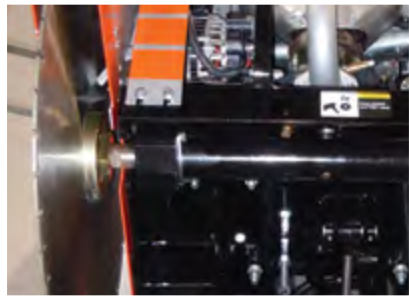
Water Pump Kit

PRODUCT FEATURES



Removable Panels

Removable rear and side panels make clean up and preventative maintenance easier.



Heavy-Duty Blade Shaft

Totally enclosed, heavy-duty blade shaft in oil bath for extended life and low maintenance.



Ergonomic Controls

Compact design for single hand operation of forward/reverse and raise/lower.



There are few that compete with the C48 series featuring the Tier IV water-cooled Hyundai engine. Perfect for rental applications, patch jobs, green cutting and other service work. The C48 series provides the best features of our service saw line. Pushing 48HP, it makes cutting smooth and easy and available up to 36" blade diameter.

TECHNICAL SPECIFICATIONS	C4826SD	C4830SD	C4836SD
Product Number	701846 42472 1	701846 42474 5	701846 42476 9
Blade Guard Capacity – in (mm)	26" (660)	30" (762)	36" (914)
Maximum Depth of Cut – in (mm)	10-1/2" (267)	12-1/2" (318)	15" (381)
Arbor Size – in (mm)	1" (25.4)	1" (25.4)	1" (25.4)
Blade Flange Diameter – in (mm)	5" (127)	5" (127)	6" (152)
Blade Shaft RPM	2,300	1,750	1,450
Blade Shaft Diameter – in (mm)	1-5/8" (41)		
Blade Shaft Bearings	Oil Bath		
Blade Shaft Drive	7 Belts		
Blade Guard Attachment	Quick Detach Bayonet		
Blade Control	Electro-Hydraulic		
Axle – Front – in (mm)	1" (25.4)		
Axle – Rear – in (mm)	1" (25.4)		
Wheels – Front D x W x B – in (mm)	6"x2-1/2"x1" (152x64x25)		
Wheels – Rear D x W x B – in (mm)	10"x3"x1" (254x77x25)		
Handle Bars/Adjustment Length – in (mm)	32-1/2" (826)		
Transmission	Eaton Hydrostatic		
Rear End/Differential	Differential - Norton		
Control	Forward/Reverse Control, Engage/Disengaged Controls and Differential Lock		
Speed	0-220 FPM (Forward) 0-100 FPM (Reverse)		
Chassis	Heavy Duty jig-welded box frame		
Power Source	Gasoline		
Engine Type	Hyundai		
Specifications	ZPP 416		
Maximum Horsepower*	48 HP (35.8kw)		
Displacement – cu In (l)	97.6 cu in (1.6 l)		
Bore – in (mm)	3" (76.5)		
Stroke – in (mm)	3.4" (87)		
Cylinders/Cycle	4 Cylinders 4 Cycle		
Fuel Capacity – gal (l)	5.75 gal (21.7 l)		
Oil Capacity – qt (l)	3.9 qt. (3.7 l)		
Air Filter	Three Stage		
Starter	Electric		
Engine Cooling	Liquid		
Saw Dimensions			
Height – in (mm)	50" (1,270)	50" (1,270)	50" (1,270)
Minimum Saw Length (Transport) – in (mm)	64-1/4" (1,632)	64-1/4" (1,632)	64-1/4" (1,632)
Maximum Saw Length (Working) – in (mm)	107-1/2" (2,731)	107-1/2" (2,731)	107-1/2" (2,731)
Maximum Pointer Length – in (mm)	21-1/4" (540)	21-1/4" (540)	21-1/4" (540)
Frame Width – in (mm)	27" (686)	27" (686)	27" (686)
Saw Width – in (mm)	34-3/4" (863)	34-3/4" (863)	34-3/4" (863)
Front (Outside to Outside Wheel Width) – in (mm)	17" (432)	17" (432)	17" (432)
Rear (Outside to Outside Wheel Width) – in (mm)	27-1/2" (699)	27-1/2" (699)	27-1/2" (699)
Blade to Wall – in (mm)	2-1/4" (57)	2-1/4" (57)	2-1/4" (57)
Wheel Base Length – in (mm)	16-1/2" (419)	16-1/2" (419)	16-1/2" (419)
Weight Crated – lbs (kg)	1,220 (555)	1,220 (555)	1,220 (555)
Weight Uncrated – lbs (kg)	1,120 (510)	1,120 (510)	1,120 (510)
Accessories			
20" Blade Guard	701846 43382 2	246006	
26" Blade Guard	701846 44384 5	246218	
30" Blade Guard	701846 44385 2	246219	
36" Blade Guard	701846 44386 9	246239	
Blade Guard Adapter Kit	701846 45376 9	246261	
Light Kit w/magnetic base	701846 26513 3	237244	
Water Pump Kit	701846 45877 1	246292	

*= DATA PROVIDED BY ENGINE MANUFACTURER



Blade Guard

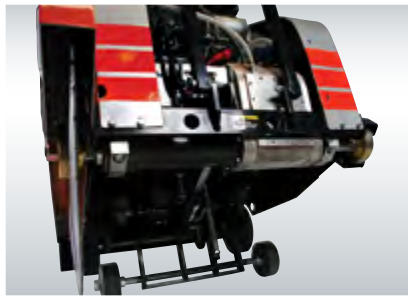


Blade Guard Adapter Kit



Water Pump Kit

PRODUCT FEATURES



Oil Bath Blade Shaft

Sealed oil bath blade shaft prevents the daily greasing and provides long hours of operation.



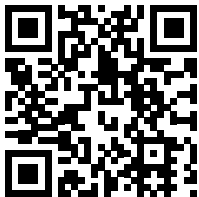
Powerful 35HP Gasoline Engine

The Vanguard, Big Block, V-Twin 35HP commercial gasoline engine is smooth and powerful, with proven performance.



Easy Operating Console

Simple, user-friendly layout increases operator productivity.



The 35HP engine has never been better since the introduction of the V-Twin air-cooled Vanguard engine. The strong gasoline engine mounted on a clean, uncomplicated frame makes the C35 series the best choice for small to mid-size applications. Packed with features for maximum performance, our operator-friendly design makes handling and preventative maintenance easier. The C35 series is an ideal saw for contractor work.

TECHNICAL SPECIFICATIONS	C3526SS	C3530SS
Product Number	701846 42466 0	701846 42467 7
Blade Guard Capacity – in (mm)	26" (660)	30" (762)
Maximum Depth of Cut – in (mm)	9-1/2" (241)	12-1/2" (318)
Arbor Size – in (mm)	1" (25.4)	1" (25.4)
Blade Flange Diameter – in (mm)	5" (127)	5" (127)
Blade Shaft RPM	1,900	1,900
Blade Shaft Diameter – in (mm)	1-7/16" (37)	
Blade Shaft Bearings	Heavy Duty Pillow Block	
Blade Shaft Drive	7 Belts	
Blade Guard Attachment	Quick Detach Bayonet	
Blade Control	Electric	
Axle – Front – in (mm)	1" (25.4)	
Axle – Rear – in (mm)	1" (25.4)	
Wheels – Front D x W x B – in (mm)	6"x2-1/2"x1" (152x64x25)	
Wheels – Rear D x W x B – in (mm)	8"x2-1/2"x1" (203x64x25)	
Handle Bars/Adjustment Length – in (mm)	32-1/2" (826)	
Transmission	Eaton Hydrostatic	
Rear End/Differential	Enclosed Gears	
Control	Forward/Reverse Control, Engage/Disengaged Controls	
Speed	0-220 FPM (Forward) 0-100 FPM (Reverse)	
Chassis	Heavy Duty jig-welded box frame	
Power Source	Gasoline, 2 Cylinders 4 Cycle	
Engine Type	Briggs Vanguard	
Specifications	61347701710	
Maximum Horsepower*	35 HP (26kw)	
Displacement – cu In (l)	60.6 cu in (0.993 l)	
Bore – in (mm)	3.366" (85.5)	
Stroke – in (mm)	3.406" (86.5)	
Cylinders/Cycle	2 Cylinders 4 Cycle	
Fuel Capacity – gal (l)	5 gal (18.9 l)	
Oil Capacity – qt (l)	2.5 qt. (2.4 l)	
Air Filter	Three Stage	
Starter	Electric	
Engine Cooling	Air	
Saw Dimensions		
Height – in (mm)	42" (1,069)	42" (1,069)
Minimum Saw Length (Transport) – in (mm)	49-1/2" (1,257)	49-1/2" (1,257)
Maximum Saw Length (Working) – in (mm)	109-3/4" (2,788)	109-3/4" (2,788)
Maximum Pointer Length – in (mm)	33-3/4" (857)	33-3/4" (857)
Frame Width – in (mm)	22-1/2" (572)	22-1/2" (572)
Saw Width – in (mm)	29" (737)	29" (737)
Front (Outside to Outside Wheel Width) – in (mm)	19" (483)	19" (483)
Rear (Outside to Outside Wheel Width) – in (mm)	22-3/4" (578)	22-3/4" (578)
Blade to Wall – in (mm)	1-13/16" (46)	1-13/16" (46)
Wheel Base Length – in (mm)	20-1/4" (514)	20-1/4" (514)
Weight Crated – lbs (kg)	750 (341)	750 (341)
Weight Uncrated – lbs (kg)	650 (295)	650 (295)
Accessories		
20" Blade Guard	701846 43382 2	246006
26" Blade Guard	701846 44384 5	246218
30" Blade Guard	701846 44385 2	246219
Blade Guard Adapter Kit	701846 45376 9	246261
Light Kit w/magnetic base	701846 26513 3	237244
Water Pump Kit	701846 45877 1	246292

*= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER



Blade Guard



Blade Guard Adapter Kit



Water Pump Kit

PRODUCT FEATURES



Simple Maintenance Design

Easy to get to belt tensioning for quick replacements.



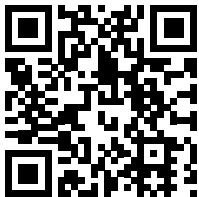
Spindle-Saver Blade Flanges

Allows blade to sit on inner flange instead of shaft for replacement of flange only instead of complete shaft.



Raised Axle

Heavy-duty boxed-in design resists bending and flexing during transport.



Manufactured with an uncomplicated, reinforced frame design to withstand the harshness of job cutting requirements on mid-sized jobs. Blade capabilities of 16", 20" or 24". The self-propelled hydrostatic transmission and the 4-V belt drive transfers maximum power to the blade shaft for ease of operation with dependable performance.

TECHNICAL SPECIFICATIONS	C2016SS	C2020SS	C2024SS
Product Number	701846 27369 5	701846 27370 1	701846 27371 8
Blade Guard Capacity – in. (mm)	16" (305)	20" (356)	24" (406)
Maximum Depth of Cut – in. (mm)	5-5/8" (140)	7-5/8" (193)	9-5/8" (244)
Arbor Size – in. (mm)	1" (25)	1" (25)	1" (25)
Blade Flange Diameter – in. (mm)	4-1/2" (114)	4-1/2" (114)	4-1/2" (114)
Blade Shaft RPM	2520 RPM	2520 RPM	2120 RPM
Blade Shaft Diameter – in. (mm)	1-1/4" (32)		
Blade Shaft Bearings	Heavy Duty Pillow Block		
Blade Shaft Drive	4 Belts		
Blade Guard Attachment	Pivoting, All Steel		
Blade Control	Hand Wheel/Screw Feed		
Axle – Front – in. (mm)	3/4" (19)		
Axle – Rear – in. (mm)	3/4" (19)		
Wheels – Front D x W x B – in. (mm)	5"x2"x3/4" (127x50x19)		
Wheels – Rear D x W x B – in. (mm)	6"x2"x3/4" (152x50x19)		
Handle Bars/Adjustment Length	20-5/8" (530)		
Transmission	Eaton Hydrostatic		
Control	Roller Gear		
Speed	0-220 FPM		
Chassis	Heavy duty jig-welded box frame		
Power Source	Gasoline, 2 Cylinders 4 Cycle		
Engine Type	Honda GX620		
Specifications	GX620TXF2		
Maximum Horsepower	20 HP (14.9 kW) – *		
Net Horsepower	18.1 HP (13.5 kW) – *		
Displacement – cu. In. (l)	37.5 cu in (.614 l)		
Bore – in. (mm)	3.3" (77)		
Stroke – in. (mm)	2.6" (66)		
Cylinders/Cycle	Two Cylinder 4 Cycle		
Fuel Capacity – gal (l)	2.12 gal. (8.03 l)		
Oil Capacity – qt (l)	1.90 qt. (1.8 l)		
Air Filter	Four Stage Honda		
Starter	Electric		
Engine Cooling	Forced Air		
Saw Dimensions			
Height	40" (1,016)	40" (1,016)	40" (1,016)
Minimum Saw Length (Transport) – in. (mm)	56" (1,142)	56" (1,142)	56" (1,142)
Maximum Saw Length (Working) – in. (mm)	114" (2,896)	114" (2,896)	114" (2,896)
Maximum Pointer Length – in. (mm)	40" (1,016)	40" (1,016)	40" (1,016)
Frame Width – in. (mm)	17" (432)	17" (432)	17" (432)
Saw Width – in. (mm)	26" (660)	26" (660)	26" (660)
Front (Outside to Outside Wheel Width) – in. (mm)	14-3/16" (360)	14-3/16" (360)	14-3/16" (360)
Rear (Outside to Outside Wheel Width) – in. (mm)	15-1/4" (388)	15-1/4" (388)	15-1/4" (388)
Blade to Wall – in. (mm)	2-9/16" (65)	2-9/16" (65)	2-9/16" (65)
Wheel Base Length – in. (mm)	16-1/6" (407)	16-1/6" (407)	16-1/6" (407)
Weight Crated – lbs (kg)	468 (212)	468 (212)	468 (212)
Weight Uncrated – lbs (kg)	428 (195)	428 (195)	428 (195)
Accessories			
Water Tank Kit for 13HP & 20HP	701846 28014 3	238001	

*= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER



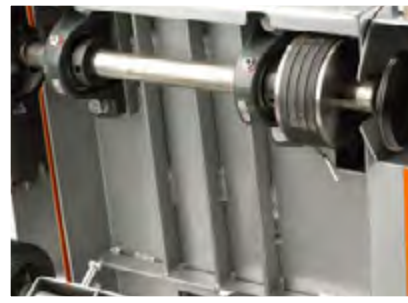
Water Tank Kit

PRODUCT FEATURES



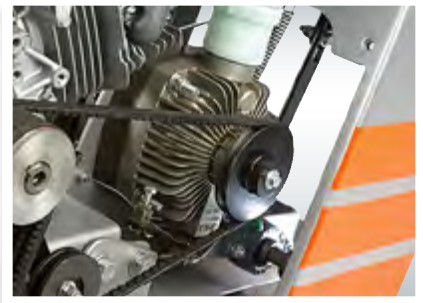
Pivoting Blade Guard

All steel construction, with no springs or hinges, eliminates possible breakage.



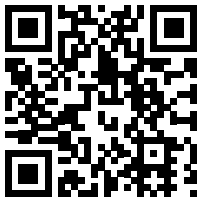
Heavy-Duty Box Frame

Resists bending and flexing for a solid design.



Eaton Transmission

Hydro-static for infinitely variable forward and reverse speeds.



Combining all the features of the larger self-propelled Norton Clipper saw, this saw features a strong 13HP Honda engine in either manual or electric start. Constructed with a well-balanced and narrow box frame with right or left cutting capability, these flat saws are very versatile on any size job site.

TECHNICAL SPECIFICATIONS	C1316SM	C1320SM	C1316SS	C1320SS
Product Number	701846 27365 7	701846 27366 4	701846 27367 1	701846 27368 8
Blade Guard Capacity – in. (mm)	16" (305)	20" (356)	16" (305)	20" (356)
Maximum Depth of Cut – in. (mm)	5-5/8" (140)	7-5/8" (193)	5-5/8" (140)	7-5/8" (193)
Arbor Size – in. (mm)	1" (25)	1" (25)	1" (25)	1" (25)
Blade Flange Diameter – in. (mm)	4-1/2" (114)	4-1/2" (114)	4-1/2" (114)	4-1/2" (114)
Blade Shaft RPM	2520 RPM	2520 RPM	2520 RPM	2520 RPM
Blade Shaft Diameter – in. (mm)	1-1/4" (32)			
Blade Shaft Bearings	Heavy Duty Pillow Block			
Blade Shaft Drive	4 Belts			
Blade Guard Attachment	Pivoting, All Steel			
Blade Control	Hand Wheel/Screw Feed			
Axle – Front – in. (mm)	3/4" (19)			
Axle – Rear – in. (mm)	3/4" (19)			
Wheels – Front D x W x B – in. (mm)	5"x2"x3/4" (127x50x19)			
Wheels – Rear D x W x B – in. (mm)	6"x2"x3/4" (152x50x19)			
Handle Bars/Adjustment Length	20-5/8" (530)			
Transmission	Eaton Hydrostatic			
Control	Roller Gear			
Speed	0-220 FPM			
Chassis	Heavy duty jig-welded box frame			
Power Source	Gasoline, Single Cylinder 4 Cycle			
Engine Type	Honda GX390			
Specifications	GX390K1QXC9	GX390K1QXC9	GX390K1QAE2	GX390K1QAE2
Maximum Horsepower	13 HP (9.5 kW) – *			
Net Horsepower	11 HP (8.2 kW) – *			
Displacement – cu. In. (l)	23.7 cu in (0.39)			
Bore – in. (mm)	3.5" (88)			
Stroke – in. (mm)	2.5" (64)			
Cylinders/Cycle	Single Cylinder 4 Cycle			
Fuel Capacity – gal. (l)	1.79 gal. (6.5 l)			
Oil Capacity – qt. (l)	1.16 qt. (1.1 l)			
Air Filter	Four Stage Honda	Four Stage Honda	Two Stage Honda	Two Stage Honda
Starter	Manual	Manual	Electric	Electric
Engine Cooling	Air			
Saw Dimensions				
Height	40" (1,016)	40" (1,016)	40" (1,016)	40" (1,016)
Minimum Saw Length (Transport) – in. (mm)	56" (1,142)	56" (1,142)	56" (1,142)	56" (1,142)
Maximum Saw Length (Working) – in. (mm)	114" (2,896)	114" (2,896)	114" (2,896)	114" (2,896)
Maximum Pointer Length – in. (mm)	40" (1,016)	40" (1,016)	40" (1,016)	40" (1,016)
Frame Width – in. (mm)	17" (432)	17" (432)	17" (432)	17" (432)
Saw Width – in. (mm)	26" (660)	26" (660)	26" (660)	26" (660)
Front (Outside to Outside Wheel Width) – in. (mm)	14-3/16" (360)	14-3/16" (360)	14-3/16" (360)	14-3/16" (360)
Rear (Outside to Outside Wheel Width) – in. (mm)	15-1/4" (388)	15-1/4" (388)	15-1/4" (388)	15-1/4" (388)
Blade to Wall – in. (mm)	2-9/16" (65)	2-9/16" (65)	2-9/16" (65)	2-9/16" (65)
Wheel Base Length – in. (mm)	16-1/6" (407)	16-1/6" (407)	16-1/6" (407)	16-1/6" (407)
Weight Crated – lbs (kg)	425 (193)	425 (193)	445 (202)	445 (202)
Weight Uncrated – lbs (kg)	385 (175)	385 (175)	405 (175)	405 (175)
Accessories				
Water Tank Kit for 13HP & 20HP	701846 28014 3	238001		

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Water Tank Kit

PRODUCT FEATURES



Streamlined Console

Simple, clean and easy to operator controls for left or right side cutting.



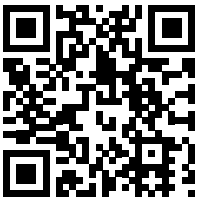
Handle Bar Positioning

Multi-position handle bars offer operators better control and comfort.



Battery Charger

Charging plug ensures continuous power for the raise and lower function.



When your job requires an alternative to a fuel engine saw, look no further than the Norton Clipper electric saw series. The C20ES series is mounted with a 20HP Baldor 480 volt, 3 phase motor providing maximum return on your investment. Mounted to the 35HP self-propelled frame, the C20ES electric series provides all the same features of multi-position handle bars, easy access rear and side panels, and ergonomic instrument cluster to service small to medium size jobs.

TECHNICAL SPECIFICATIONS

Product Number

Blade Guard Capacity – in (mm)	26" (660)
Maximum Depth of Cut – in (mm)	9-1/2" (241)
Arbor Size – in (mm)	1" (25.4)
Blade Flange Diameter – in (mm)	5" (127)
Blade Shaft RPM	2,020
Blade Shaft Diameter – in (mm)	1-5/8" (41)
Blade Shaft Bearings	Heavy Duty Pillow Block
Blade Shaft Drive	7 Belts
Blade Guard Attachment	Quick Detach Bayonet
Blade Control	Electro-Hydraulic
Axle – Front – in (mm)	1" (25.4)
Axle – Rear – in (mm)	1" (25.4)
Wheels – Front D x W x B – in (mm)	6"x2-1/2"x1" (152x64x25)
Wheels – Rear D x W x B – in (mm)	10"x3"x1" (254x77x25)
Handle Bars/Adjustment Length – in (mm)	32-1/2" (826)
Transmission	Eaton Hydrostatic
Rear End/Differential	Differential – Norton
Control	Forward/Reverse Control, Engage/Disengaged Controls and Differential Lock
Speed	0-220 FPM (Forward) 0-100 FPM (Reverse)
Chassis	Heavy Duty jig-welded box frame
Power Source	460v/60Hz/3Phase
Motor Type	Baldor
Specifications	T.E.F.C. Thermal Protection
Maximum Horsepower*	20 HP (14.9kw)
Air Filter	Three Stage
Starter	Electric
Engine Cooling	Air

C2026ES

701846 **42448** 6

Saw Dimensions

Height – in (mm)	42" (1,069)
Minimum Saw Length (Transport) – in (mm)	49-1/2" (1,257)
Maximum Saw Length (Working) – in (mm)	109-3/4" (2,788)
Maximum Pointer Length – in (mm)	33-3/4" (857)
Frame Width – in (mm)	22-1/2" (572)
Saw Width – in (mm)	29" (737)
Front (Outside to Outside Wheel Width) – in (mm)	19" (483)
Rear (Outside to Outside Wheel Width) – in (mm)	22-3/4" (578)
Blade to Wall – in (mm)	1-13/16" (46)
Wheel Base Length – in (mm)	20-1/4" (514)
Weight Crated – lbs (kg)	750 (341)
Weight Uncrated – lbs (kg)	700 (318)

Accessories

20" Blade Guard	701846 43382 2
26" Blade Guard	701846 44384 5
Blade Guard Adapter Kit	701846 45376 9
Light Kit w/magnetic base	701846 26513 3

*= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER



Blade Guard



Blade Guard Adapter Kit

PRODUCT FEATURES



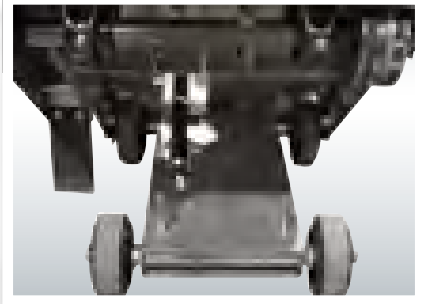
Spindle-Saver Blade Flanges

Allows blade to sit on inner flange instead of shaft for replacement of flange only instead of complete shaft.



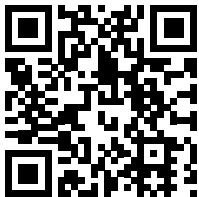
Four V-Belts

Transferring maximum power to the blade shaft.



Reinforced Frame and Axle

Strongest in its class.



Small to medium contractor work demands performance with an economical solution. The C1320P brings the contractor the ideal saw with a heavy-duty box frame that resists bending and supported with the high-performing Honda 13HP engine. The heavy frame also provides a straighter cut. Changing or adjusting belts is simple with the single screw tensioner. The C1320P is in a class by itself.

TECHNICAL SPECIFICATIONS

Product Number	701846 42456 1
Blade Guard Capacity – in (mm)	20" (356)
Maximum Depth of Cut – in (mm)	7-5/8" (193)
Arbor Size – in (mm)	1" (25)
Blade Flange Diameter – in (mm)	4-1/2" (114)
Blade Shaft RPM	2520 RPM
Blade Shaft Diameter – in (mm)	1-1/4" (32)
Blade Shaft Bearings	Heavy Duty Pillow Block
Blade Shaft Drive	4 Belts
Blade Guard Attachment	Pivoting, All Steel
Blade Control	Hand Wheel/Screw Feed
Axle – Front – in (mm)	3/4" (19)
Axle – Rear – in (mm)	3/4" (19)
Wheels – Front D x W x B – in (mm)	5"x2"x3/4" (127x50x19)
Wheels – Rear D x W x B – in (mm)	6"x2"x3/4" (152x50x19)
Handle Bars/Adjustment Length	20-5/8" (530)
Control	Roller Gear
Speed	0-220 FPM
Chassis	Heavy duty jig welded box frame
Power Source	Gasoline, Single Cylinder 4 Cycle
Engine Type	Honda GX390
Specifications	GX390K1QXC9
Maximum Horsepower*	13 HP (9.5kW)
Net Horsepower*	11 HP (8.2 kW)
Displacement – cu In (l)	23.7 cu in (0.39)
Bore – in (mm)	3.5" (88)
Stroke – in (mm)	2.5" (64)
Cylinders/Cycle	Single Cylinder 4 Cycle
Fuel Capacity – gal (l)	1.79 gal. (6.5 l)
Oil Capacity – qt (l)	1.16 qt. (1.1 l)
Air Filter	Four Stage Honda
Starter	Manual
Engine Cooling	Air

Saw Dimensions

Height	40" (1,016)
Minimum Saw Length (Transport) – in (mm)	56" (1,142)
Maximum Saw Length (Working) – in (mm)	114" (2,896)
Maximum Pointer Length – in (mm)	40" (1,016)
Frame Width – in (mm)	17" (432)
Saw Width – in (mm)	26" (660)
Front (Outside to Outside Wheel Width) – in (mm)	14-3/16" (360)
Rear (Outside to Outside Wheel Width) – in (mm)	15-1/4" (388)
Blade to Wall – in (mm)	2-9/16" (65)
Wheel Base Length – in (mm)	16-1/6" (407)
Weight Crated – lbs. (kg)	345 (157)
Weight Uncrated – lbs (kg)	310 (141)

Accessories

Water Tank Kit for 13HP & 20HP	701846 28014 3	238001
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***= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER**



Water Tank Kit

PRODUCT FEATURES



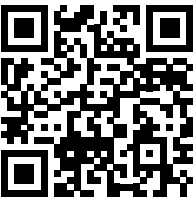
Vibration Reducing Handle Bars
Shock-absorbing handle bars reduce vibrations up to 40%.



Quick Belt Tensioning
Provides fast and accurate belt tensioning.



Fast Blade Guard Lock
No hassle, blade guard securing lock.



The next generation of 13HP saws. The C1318P features shock-absorbing handle bars. The new sleek design of the water tank, with increased capacity and improved securing, adds an additional 1.5 gallons of water over the cut. And, a newly-designed belt tensioning system helps keep the saw cutting true and true. All these features, coupled with the Honda 13HP engine, makes the C1318P the premiere choice for rental and service work.

TECHNICAL SPECIFICATIONS

C1318P

Product Number	701846 42453 0
Blade Guard Capacity – in (mm)	18" (457)
Maximum Depth of Cut – in (mm)	6-5/8" (168)
Arbor Size – in (mm)	1" (25)
Blade Flange Diameter – in (mm)	4-1/2" (114)
Blade Shaft RPM	2,573
Blade Shaft Diameter – in (mm)	1.18" (30)
Blade Shaft Bearings	Heavy Duty Pillow Block
Blade Shaft Drive	Single 10 Groove Belt
Blade Guard Attachment	Hinged, All Steel
Blade Control	Hand Wheel/Screw Feed
Axle – Front – in (mm)	.78" (20)
Axle – Rear – in (mm)	.78" (20)
Wheels – Front D x W x B – in (mm)	4.92"x1.96x.78 (125x50x20)
Wheels – Rear D x W x B – in (mm)	8"x1-1/4"x.78 (203x32x20)
Handle Bars/Adjustment Length	6-1/4" (160)
Control	5.28 gal. (20 l)
Speed	Push
Chassis	Heavy Duty Steel Box with Longitudinal and Horizontal Reinforcements
Power Source	Gasoline, Single Cylinder 4 Cycle
Engine Type	Honda GX390
Specifications	GX390K1QXC9
Maximum Horsepower*	13 HP (9.5kW)
Net Horsepower*	11 HP (8.2 kW)
Displacement – cu In (l)	23.7 cu in (0.39 l)
Bore – in (mm)	3.5" (88)
Stroke – in (mm)	2.5" (64)
Cylinders/Cycle	Single Cylinder 4 Cycle
Fuel Capacity – gal (l)	1.79 gal. (6.5 l)
Oil Capacity – qt (l)	1.16 qt. (1.1 l)
Air Filter	Four Stage Cyclone
Starter	Manual
Engine Cooling	Forced Air
Saw Dimensions	
Height	39" (990)
Minimum Saw Length (Transport) – in (mm)	33-1/2" (850)
Maximum Saw Length (Working) – in (mm)	61-1/2" (1,561)
Maximum Pointer Length – in (mm)	20-7/8" (528)
Frame Width – in (mm)	16-1/2" (421)
Saw Width – in (mm)	22" (609)
Front (Outside to Outside Wheel Width) – in (mm)	10-7/16" (265)
Rear (Outside to Outside Wheel Width) – in (mm)	16.89" (429)
Blade to Wall – in (mm)	4-1/2" (114)
Wheel Base Length – in (mm)	13" (332)
Weight Crated – lbs. (kg)	240 (109)
Weight Uncrated – lbs (kg)	220 (100)

*= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER

PRODUCT FEATURES



Fast Release Guard

The quick release pull pin keeps the blade guard locked down for safety during operation. No more jam nuts or tools needed - just pull and lift.



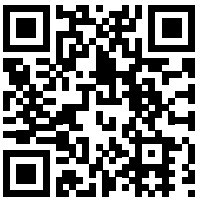
Tough Frame and Raised Axle

Thick, heavy-duty gauge metal frame endures the hardest of users and job sites. Resists twisting for a tried and true straight cut.



Uncomplicated Control Panel

Everything at your fingertips to manage the saw with ease: depth locking mechanism, emergency shut off and water valve within easy reach.



Rental equipment has to withstand any and all conditions by user and application. For that reason, the Norton Clipper C13PE or CP14PE suits any rental fleet that both the novice and expert will appreciate to hold-up through tough situations. The 18" blade guard, ride-on water system and quick-release blade guard lock all keep safety in mind while the rugged frame, powerful engine and easy-to-use console makes cutting a breeze.

TECHNICAL SPECIFICATIONS	C13PE	C14PE
Product Number	701846 47524 2	701846 47525 9
Blade Guard Capacity - in (mm)	18" (457)	18" (457)
Maximum Depth of Cut - in (mm)	6-5/8" (168)	6-5/8" (168)
Arbor Size - in (mm)	1" (25)	1" (25)
Blade Flange Diameter - in (mm)	4-1/2" (114)	4-1/2" (114)
Blade Shaft RPM	2,700	2,700
Blade Shaft Diameter - in (mm)	1.00" (25.4)	1.00" (25.4)
Blade Shaft Bearings	Heavy Duty Pillow Block	Heavy Duty Pillow Block
Blade Shaft Drive	3 Belts	3 Belts
Blade Guard Attachment	Hinged, All Steel	Hinged, All Steel
Blade Control	Hand Wheel/Screw Feed	Hand Wheel/Screw Feed
Axle - Front - in (mm)	.75" (19)	.75" (19)
Axle - Rear - in (mm)	.75" (19)	.75" (19)
Wheels - Front - in (mm) D x W x B	4"x1.5"x.75" (102x38x19)	4"x1.5"x.75" (102x38x19)
Wheels - Rear - in (mm) D x W x B	8"x2.50"x.75" (203x64x19)	8"x2.50"x.75" (203x64x19)
Handle Bars/Adjustment Length - in (mm)	-NA-	-NA-
Water Tank Capacity - gal (l)	-NA-	-NA-
Control	Push	Push
Chassis	Heavy Duty Box Design	Heavy Duty Box Design
Power Source	Gasoline, Single Cylinder 4 Cycle	Gasoline, Single Cylinder 4 Cycle
Motor/Engine Type	Honda GX390	Subaru EX14
Specifications	GX390K1QXC9	EX400DP0281
Maximum Horsepower*	13 HP (9.5 kW)	14 HP (10.2 kW)
Net Horse Power*	11 HP (8.2 kW)	12 HP (8.8 kW)
Displacement - cu In (l)	23.7 cu in (0.39 l)	24.65 cu in (.404 l)
Bore - in (mm)	3.5" (88)	3.5" (88)
Stroke - in (mm)	2.5" (64)	2.56" (65)
Cylinders/Cycle	Single Cylinder 4 Cycle	Single Cylinder 4 Cycle
Fuel Capacity - gal (l)	1.79 gal. (6.5 l)	1.8 gal (6.8 l)
Oil Capacity - qt (l)	1.16 qt. (1.1 l)	1.28 qt (1.2 l)
Air Filter	Four Stage Cyclone	Four Stage Cyclone
Starter	Manual	Manual
Engine Cooling	Forced Air	Forced Air
Saw Dimensions		
Height - in (mm)	38-13/16" (986)	38-13/16" (986)
Minimum Saw Length (Transport) - in (mm)	42-3/4" (1086)	42-3/4" (1086)
Maximum Saw Length (Working) - in (mm)	63" (1600)	63" (1600)
Maximum Pointer Length - in (mm)	20" (508)	20" (508)
Frame Width - in (mm)	16-1/2" (419)	16-1/2" (419)
Saw Width - in (mm)	21-27/64" (544)	21-27/64" (544)
Front (Outside to Outside Wheel Width) - in (mm)	14-17/32" (369)	14-17/32" (369)
Rear (Outside to Outside Wheel Width) - in (mm)	19-9/32" (490)	19-9/32" (490)
Blade to Wall - in (mm)	1-23/32" (44)	1-23/32" (44)
Wheel Base Length - in (mm)	15-3/4" (400)	15-3/4" (400)
Weight Crated - lbs. (kg)	240 (109)	240 (109)
Weight - Uncrated - lbs (kg)	220 (100)	220 (100)

*= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER



PRODUCT FEATURES



Gasoline Engine

Mounted with the dependable Honda 5.5HP engine for best performance.



Front Blade Mount

Additional weight helps keep the blade in the cut.



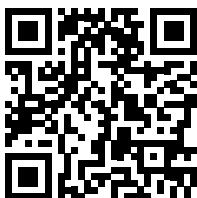
Improved Wheel Design

Stable cutting over debris to help keep the saw in line of cut.



Fold-Down Design

Easy storage and transport.



With a compact, light-weight design backed by the reliable Honda 5HP gasoline engine, the GC55 early entry saw is intended for a variety of applications. From green, cured or decorative concrete cutting to expansion joints, the features of this small push saw are hard to beat in a single saw. The low, wide profile of the frame, along with the front mount blade, contribute to producing a more disciplined cut.

TECHNICAL SPECIFICATIONS

Product Number

Blade Guard Capacity – in. (mm)	701846 30005 6 10" (254)
Maximum Depth of Cut – in. (mm)	3-3/4" (95)
Arbor Size – in. (mm)	5/8" (15.9)
Blade Flange Diameter – in. (mm)	3-5/64" (78)
Blade Shaft RPM	3,000
Blade Shaft Diameter – in. (mm)	7/8" (20)
Blade Shaft Bearings	Sealed Radial Bearings
Blade Shaft Drive	1 Cogged
Blade Guard Attachment	All Steel
Blade Control	Screw Feed
Axle – Front – in. (mm)	55/64" (22)
Axle – Rear – in. (mm)	55/64" (22)
Wheels – Front – in. (mm) D x W x B	3-3/8"x2-3/4"x25/32" (85x70x20)
Wheels – Rear – in. (mm) D x W x B	3-3/8"x2-3/4"x25/32" (85x70x20)
Handle Bars/Adjustment Length – in. (mm)	6" (152.4)
Control	Push
Chassis	Heavy Duty Stamped Steel with Reinforcements
Power Source	Single Cylinder 4 Cycle
Motor/Engine Type	Honda GX160
Specifications	GX160K1QXC9
Maximum Horsepower	5.5 HP (4.1 kW) – *
Net Horse Power	4.8 HP (3.6 kW) – *
Voltage	NA
Cycle/Current/Phase	NA
Full Load Amps	NA
Starting Amps	NA
Displacement – cu. In (l)	9.9 cu in (0.16 l)
Bore – in. (mm)	2.7" (68)
Stroke – in. (mm)	1.8" (45)
Cylinders/Cycle	Single Cylinder 4 Cycle
Fuel Capacity – gal. (l)	.95 (3.6 l)
Oil Capacity – qt. (l)	.63 (.6 l)
Air Filter	Four Stage Cyclone
Starter	Manual
Engine Cooling	Forced Air

Saw Dimensions

Height – in. (mm)	24-7/32" (615)
Minimum Saw Length (Transport) – in. (mm)	32" (813)
Maximum Saw Length (Working) – in. (mm)	42-29/32" (1090)
Maximum Pointer Length – in. (mm)	8-7/32" (209)
Frame Width – in. (mm)	13-11/16" (348)
Saw Width – in. (mm)	18-1/8" (460)
Front (Outside to Outside Wheel Width) – in. (mm)	8-21/32" (220)
Rear (Outside to Outside Wheel Width) – in. (mm)	13" (330)
Blade to Wall – in. (mm)	7-1/2" (190)
Wheel Base Length – in. (mm)	19" (483)
Weight Crated – lbs (kg)	135 (61)
Weight Uncrated – lbs (kg)	115 (52)

* = DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER

PRODUCT FEATURES



Compact Frame Design

Easy transport and even weight distribution with 3HP up-cut electric motor.



Vacuum Port

Attaches to standard vacuum for efficient debris removal.



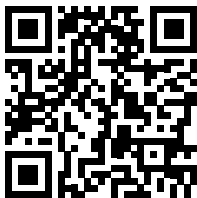
Improved Wheel Design

Stable cutting over debris to help keep the saw in line of cut.



Fold-Down Design

Ideal for decorative application where space is limited getting in and out.



The ideal saw for indoor cutting, expansion joint cleaning, crack control and other concrete surface preparation work. The GC25EUP has all the features of the GC25E, but carries a smooth running 3HP up-cut electric motor. Its vacuum port on the blade guard ensure debris is pulled out of the cut and into a collection system. Light-weight and compact, the GC25EUP is the perfect saw for any concrete surface or decorative contractor need.

TECHNICAL SPECIFICATIONS

GC25EUP

Product Number	701846 42445 5
Blade Guard Capacity – in (mm)	10" (254)
Maximum Depth of Cut – in (mm)	3-3/4" (95)
Arbor Size – in (mm)	5/8" (15.9)
Blade Flange Diameter – in (mm)	3-5/64" (78)
Blade Shaft RPM	3,000
Blade Shaft Diameter – in (mm)	7/8" (20)
Blade Shaft Bearings	Sealed Radial Bearings
Blade Shaft Drive	1 Cogged
Blade Guard Attachment	All Steel
Blade Control	Screw Feed
Axle – Front – in (mm)	55/64" (22)
Axle – Rear – in (mm)	55/64" (22)
Wheels – Front – in (mm) D x W x B	3-3/8"x2-3/4"x25/32" (85x70x20)
Wheels – Rear – in (mm) D x W x B	3-3/8"x2-3/4"x25/32" (85x70x20)
Handle Bars/Adjustment Length – in (mm)	6" (152.4)
Control	Push
Chassis	Heavy Duty Stamped Steel with Reinforcements
Power Source	115/330 volt
Motor/Engine Type	Electric
Specifications	T.E.F.C. Thermal Protection
Maximum Horsepower*	3 HP
Net Horse Power*	3 HP
Voltage	115-230 Volts
Cycle*/Current/Phase	60Hz/AC/1
Full Load Amps*	19.5/9.73 Amps
Starting Amps*	91/46 Amps
Displacement – cu In (l)	-NA-
Bore – in (mm)	-NA-
Stroke – in (mm)	-NA-
Cylinders/Cycle	-NA-
Fuel Capacity – gal (l)	-NA-
Oil Capacity – qt (l)	-NA-
Air Filter	-NA-
Starter	Capacitor
Engine Cooling	Forced Air
Saw Dimensions	
Height – in (mm)	24-7/32" (615)
Minimum Saw Length (Transport) – in (mm)	32" (813)
Maximum Saw Length (Working) – in (mm)	42-29/32" (1090)
Maximum Pointer Length – in (mm)	8-7/32" (209)
Frame Width – in (mm)	13-11/16" (348)
Saw Width – in (mm)	18-1/8" (460)
Front (Outside to Outside Wheel Width) – in (mm)	8-21/32" (220)
Rear (Outside to Outside Wheel Width) – in (mm)	13" (330)
Blade to Wall – in (mm)	7-1/2" (190)
Wheel Base Length – in (mm)	19" (483)
Weight Crated – lbs (kg)	155 (70.3)
Weight Uncrated – lbs (kg)	135 (61.2)

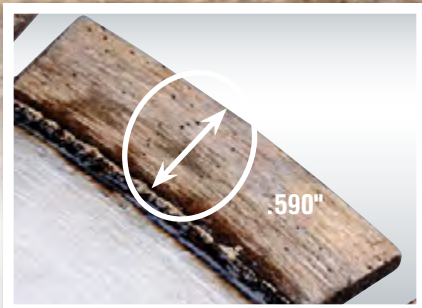
*= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER





get the silent treatment AND ENJOY EVERY MINUTE

Defying everything you've heard before, the Norton Silencio is more than just a sandwiched silent blade. We take sound dampening to another level by reducing noise up to 15 dB(A). Masons enjoy the technology performance benefits while nearby workers and onlookers enjoy quieter times.



.590" Segment Height
New specification provides premium life and performance.



New Gullet Design
Reduces cutting noise by as much as 15 db(A).



Patent-Pending Steel Center
Design absorbs noise and vibration.



Reinforced Concrete and Harder Building Materials

Reinforced concrete, hard bricks, limestone, terrazzo, and other hard materials.

WET – SEGMENTED RIM

SILENCIO

The latest generation of technology from Norton. With a laser-welded segment height up to .590" and newly developed specification, this blade maximizes cutting performance and product life when wet cutting hard natural stone materials. And, it's quieter – reducing cutting noise by up to 15 dB(A), thanks to the use of high-technology materials and a patent-pending steel-center design. Safer for high traffic environments and less disruptive to work locations.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 84534 2	SILMBR14125	14 x .125 x 1	4365	.590"
701846 84535 9	SILMBR20125	20 x .125 x 1	3055	.590"



NORTON CLASSIC

High performance wet cutting of a variety of hard materials. The segment specification allows extended life and fast cut for commercial jobs on large upright masonry saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 81335 8	CGWMBR1401	14 x .100 x 1	4365	.281"
701846 84556 4	CODMBR2401	24 x .150 x 1	2550	.275"



DRY – SEGMENTED RIM +

DUO EVO

The unique shape of the DUO EVO and DUO segments optimizes the angle of attack while enhancing the evacuation of the particles. The result is an exceptional cutting speed allied with optimum performance life up to 50% over other blades in critically hard materials.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 84218 1	DUOEVO14118	14 x .118 x 1/20mm	5460	.590"
701846 84549 6	DUOEVO16125	16 x .125 x 1	4500	.472"



DUO

The original DUO. The innovative, exclusive design introduced in 2002 has become a dominant name in the market. The unique dual segment per land technology provides excellent cutting speed with low vibration and high comfort of cut. The exclusive arrow shape gullets not only indicate blade direction but they also assist in fast removal of cutting debris. Maximum performance when cutting medium to hard materials – general purpose.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 83612 8	DUO14110	14 x .110 x 1/20mm	5460	.393"
701846 84430 7	DUO14110 6PK	14 x .110 x 1/20mm	5460	.393"
701846 84431 4	DUO14110 12PK	14 x .110 x 1/20mm	5460	.393"
701846 83613 5	DUO14125	14 x .125 x 1/20mm	5460	.393"
701846 84432 1	DUO14125 6PK	14 x .125 x 1/20mm	5460	.393"
701846 84433 8	DUO14125 12PK	14 x .125 x 1/20mm	5460	.393"
701846 83798 9	DUO16125	16 x .125 x 1/20mm	4500	.393"



CHARGER

High performance when on all kinds of hard materials. Smooth, fast and accurate cuts when dry cutting on larger masonry saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 81426 3	CGDMBR1401	14 x .100 x 1	4365	.263"
701846 81427 0	CGDMBR2001	20 x .125 x 1	3055	.263"
701846 84509 0	CGDMBR2101	21 x .125 x 1	2905	.350"





Reinforced Concrete and Harder Building Materials

Reinforced concrete, hard bricks, limestone, terrazzo, and other hard materials.



DRY – SEGMENTED RIM (CONTINUED)



NORTON CLASSIC



Laser welded blades for hard or dense materials. Softer bond with premium diamond for fast cutting of hard material on low horsepower compact masonry saws. The perfect blade for compact masonry saws cutting hard or dense materials with limited power supply.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 84511 3	CHDMBR2001	20 x .125 x 1	3055	.263"
701846 84557 1	CODMBL2401	24 x .165 x 1	2550	.275"



General Purpose and Masonry Building Materials

Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.



WET – SEGMENTED RIM



CHARGER



High performance wet cutting with an extra wide .263" segment specification that allows thorough cleaning and extended life in a variety of materials.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 81338 9	CGWMGP1401	14 x .100 x 1	4365	.263"
701846 81339 6	CGWMGP2001	20 x .125 x 1	3055	.263"



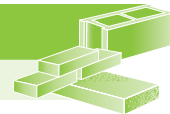
NORTON CLASSIC



The softer bond provides longer life at an economical price for small to medium size jobs on compact masonry saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 81331 0	CHWMGP1401	14 x .100 x 1	4365	.263"
701846 81332 7	CHWMGP2001	20 x .125 x 1	3055	.263"





General Purpose and Masonry Building Materials

Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.

DRY – SEGMENTED RIM



DUO MASONRY



The innovative, exclusive DUO design introduced in 2002 has become a dominant name in the market. The unique dual segment per land technology provides excellent cutting speed with low vibration and high comfort of cut. A special sound dampened laser cut core reduces noise when cutting. The exclusive arrow shape gullets not only indicate blade direction but they also assist in fast removal of cutting debris. Maximum performance when cutting a variety of materials.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 83982 2	DUODMGP1401	14 x .110 x 1	4365	.472"



CHARGER



High performance dry cutting of a variety of materials. The segment specification allows extended life and fast cut for medium to large jobs.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 81428 7	CGDMGP1401	14 x .100 x 1	4365	.263"
701846 81429 4	CGDMGP2001	20 x .125 x 1	3055	.263"



NORTON CLASSIC



The bond provides longer life at an economical price for small to medium size jobs on smaller compact masonry saws cutting a combination of brick and soft block.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 84248 8	CODMGP7H2001	20 x .140 x 1	4365	.275"
701846 84251 8	CODMGP10H2001	20 x .165 x 1	3055	.393"



DRY – TURBO RIM

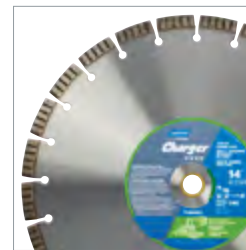


CHARGER



Combines the characteristics of standard Charger blade with a turbo rim configuration for cutting hard, dense materials with minimal effort. A better bond and diamond concentration for maximum cutting speed, life and quality of cut.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 84525 0	CGHSTS1420	14 x .125 x 1/20mm	5460	.472"



VALUPLUS



For value and performance on small to medium size jobs. The sintered blade cuts unreinforced soft to medium concrete fast on saws up to 13 HP.

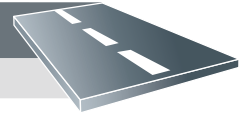
UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 84181 8	VPHSGP1420	14 x .110 x 1/20mm	5460	.393"
701846 84428 4	VPHSGP1420 20PK	14 x .110 x 1/20mm	5460	.393"





Asphalt and Abrasive Materials

Asphalt, green concrete, asphalt over concrete, abrasive blocks, mortar and other abrasive materials.



DRY – SEGMENTED RIM

CHARGER

High performance wear-resistant bond for dry cutting all kinds of soft and abrasive materials. Excellent blade life and cut speed when cutting on large upright masonry saws for commercial production.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 81330 3	CGDMBL1401	14 x .100 x 1	4365	.326"
701846 81424 9	CGDMBL2001	20 x .125 x 1	3055	.326"
701846 84510 6	CGDMBL2101	21 x .125 x 1	2905	.326"



NORTON CLASSIC

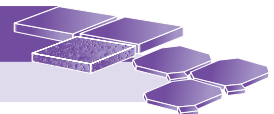
Ideal blade for small to medium size jobs with masonry saws. Economically priced with good productivity in abrasive materials.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 81325 9	CHDMBL1401	14 x .100 x 1	4365	.326"
701846 84511 3	CHDMBR2001	20 x .125 x 1	3055	.326"



Natural Stone and Tiles

Ceramic and stone tiles, granite, marble, very hard bricks and other very hard and dense materials.



WET – SEGMENTED RIM – HARD REFRACTORIES, TILES

CHARGER

High performance wet cutting of a variety of materials. Industrial grade segment specification allows extended life and fast cut on refractory materials with 80% plus alumina.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 81348 8	NXWRHD1401	14 x .095 x 1	4365	.326"
701846 81456 0	NXWRHD1801	18 x .125 x 1	3395	.326"
701846 81457 7	NXWRHD2001	20 x .125 x 1	3055	.326"



NORTON CLASSIC

An economical solution for small to medium size jobs. Efficient cutting of thick granite, marble and refractory materials with 50% or less alumina.

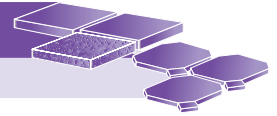
UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 81453 9	CGWRGP1401	14 x .100 x 1	4365	.250"
701846 81454 6	CGWRGP1801	18 x .125 x 1	3395	.250"
701846 81455 3	CGWRGP2001	20 x .125 x 1	3055	.250"





Natural Stone and Tiles

Ceramic and stone tiles, granite, marble, very hard bricks and other very hard and dense materials.



WET – CONTINUOUS RIM – HARD REFRACTORIES, TILES

SLICER

Razor like cut, but with high tensile strength steel core for greater accuracy and less wobbling. The bond and diamond specification enhance cutting speed and improve blade life, particularly in hard materials for premium performance.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 84186 3	NXSLC1201	12 x .080 x 1	5095	.393"
701846 84187 0	NXSLC1401	14 x .080 x 1	4365	.393"



DRY – TURBO RIM – GRANITE, MARBLE, TILES +

AERO-JET

Very fast, smooth cutting. The .590" high segment rim adds extremely long life whether cutting dry in hard materials. Exclusive arrow shape protection inserts for precision straight cuts. A ventilated waved steel core for better cooling and intensive use. Exceptional cutting on a very wide range of materials with a high quality finished cut.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 83785 9	AEROHS1420	14 x .125 x 1/20mm	5460	.590"



Multi-Purpose, All Materials

Concrete, reinforced concrete, granite, building materials, thin steel sections, angle iron up to 1/2" material thickness, rebar up to no. 5.



DRY – SEGMENTED RIM – SOFT TO HARD AGGREGATES +

4X4

Multi-purpose laser welded blade for dry cutting a range of construction materials without sacrificing performance or price. Depth of cut is easily controlled with the patented depth-of-cut indicators cut into the steel core. Anti-crack gullets for enhanced safety cutting steel and metal (up to 5mm thick).

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 84547 2	4X414125	14 x .125 x 1/20mm	5460	.393"



PRODUCT FEATURES



All Steel Frame

Super strong fillet welds deliver maximum strength and durability.



Sloped Front Water Pan

Allows complete control of step pedal and bracing knee while leaving clearance without injury.



24" Blade Capacity

Offers single cut of 8" block in one pass using complete diamond segment versus competition.



**Position of Cutting Head
Blade Offset**

Operator has a better view of material being cut and more stabilization of material on conveyor.



Having introduced the first masonry saw over 70 years ago, the Norton Clipper BBL heavy-duty block saws have become the industry standard for masons worldwide. Equipped in either electric or gas, these saws are available with single or three-phase electric motor as well as a more powerful 13HP gasoline engine. Having a rugged all-steel frame design with forklift brackets, these saws resist twisting and damage during transport around a job site. A blade capacity up to 24" and features of extended water pans and open back frame allows cutting of larger materials. The balanced cutting head makes for effortless cutting depth positioning.

TECHNICAL SPECIFICATIONS	BBL547	BBL527	BBL727	BBL5247	BBL7247	BBL1347	BBL1327	BBL13247
Product Number – Single	701846 83211 3	701846 83150 5	NA	701846 30007 0	NA	701846 83214 4	701846 83212 0	701846 30010 0
Product Number – 3 Phase	701846 83334 9	701846 83385 1	701846 83485 8	701846 30008 7	701846 30009 4	NA	NA	NA
Blade Guard Capacity – in. (mm)	14" (355)	20" (508)	20" (508)	24" (609)	24" (609)	14" (355)	20" (508)	24" (609)
Maximum Depth of Cut – in. (mm)	5" (127)	8" (203)	8" (203)	10" (254)	10" (254)	5" (127)	8" (203)	10" (254)
Arbor Size – in. (mm)	1" (25)	1" (25)	1" (25)	1" (25)	1" (25)	1" (25)	1" (25)	1" (25)
Blade Flange Diameter – in. (mm)	4" (107)	4" (107)	4" (107)	4" (107)	4" (107)	4" (107)	4" (107)	4" (107)
Blade Shaft RPM	2,900	2,400	2,400	1,800	1,800	2,900	2,400	1,800
Blade Shaft Bearings	1" Heavy Duty Flange							
Blade Shaft Drive	2 Belt							
Blade Guard Attachment	All Steel, Stay Level							
Conveyor Cart	All steel cart, tilt-lock cart wheels, anti-skid surface, measuring rule; 45°/90° cutting guide							
Frame	Heavy-duty, jig-welded steel frame. Open construction for larger materials. Adjustable foot pedal and head height control.							
Water Pump	Electric or Mechanically Belt Driven				Mechanically Belt Driven			
Power Source	Electric				Gasoline, Single Cylinder 4 Cycle			
Motor/Engine Type	Baldor				Honda, GX390			
Specifications	T.E.F.C. Thermal Protection				GX390K1QXC9			
Net Horsepower*	5 HP (3.7 kW)	5 HP (3.7 kW)	7-1/2 HP (5.6 kW)	5 HP (3.7 kW)	7-1/2 HP (5.6 kW)	11 HP (8.2 kW)	11 HP (8.2 kW)	11 HP (8.2 kW)
Voltage	208-230 volts	208-230 volts	NA	208-230 volts	NA	NA	NA	NA
3 PH – Voltage	230/460 volts	230/460 volts	230/460 volts	230/460 volts	230/460 volts	NA	NA	NA
Cycle*/Current/Phase	60Hz/AC/1	60Hz/AC/1	NA	60Hz/AC/1	NA	NA	NA	NA
3 PH – Cycle/Current/Phase	60Hz/AC/3	60Hz/AC/3	60Hz/AC/3	60Hz/AC/3	60Hz/AC/3	NA	NA	NA
Full Load Amps*	20.6 Amp	20.6 Amp	16.8/8.4 Amps	20.6 Amp	16.8/8.4 Amps	NA	NA	NA
Starter	Capacitor	Capacitor	Capacitor	Capacitor	Recoil	Recoil	Recoil	Recoil
Motor/Engine Cooling	Air	Air	Air	Air	Air	Air	Air	Air
Saw Dimensions								
Saw Length – in. (mm)	60" (1,524)	60" (1,524)	60" (1,524)	60" (1,524)	60" (1,524)	60" (1,524)	60" (1,524)	60" (1,524)
Saw Width – in. (mm)	26" (660)	26" (660)	26" (660)	26" (660)	26" (660)	26" (660)	26" (660)	26" (660)
Saw Height – in. (mm)	54" (1,372)	54" (1,372)	54" (1,372)	54" (1,372)	54" (1,372)	57" (1,448)	57" (1,448)	57" (1,448)
Maximum Arbor Height Over Table – in. (mm)	30" (762)	30" (762)	30" (762)	30" (762)	30" (762)	30" (762)	30" (762)	30" (762)
Cart Length – in. (mm)	16-1/2" (418.5)	16-1/2" (418.5)	16-1/2" (418.5)	16-1/2" (418.5)	16-1/2" (418.5)	16-1/2" (418.5)	16-1/2" (418.5)	16-1/2" (418.5)
Cart Width – in. (mm)	23" (584)	23" (584)	23" (584)	23" (584)	23" (584)	23" (584)	23" (584)	23" (584)
Pan Length – in. (mm)	43-1/8" (1095)	43-1/8" (1095)	43-1/8" (1095)	43-1/8" (1095)	43-1/8" (1095)	43-1/8" (1095)	43-1/8" (1095)	43-1/8" (1095)
Pan Width – in. (mm)	22-7/16" (569)	22-7/16" (569)	22-7/16" (569)	22-7/16" (569)	22-7/16" (569)	22-7/16" (569)	22-7/16" (569)	22-7/16" (569)
Weight Crated – lbs (kg)	475 (216)	475 (216)	475 (216)	475 (216)	475 (216)	475 (216)	475 (216)	475 (216)
Weight Uncrated – lbs (kg)	440 (199.5)	440 (199.5)	440 (199.5)	440 (199.5)	440 (199.5)	440 (199.5)	440 (199.5)	440 (199.5)

575 VOLT AND 600 VOLT, 3-PHASE OPTIONS AVAILABLE. ASK CUSTOMER SERVICE FOR MORE DETAILS

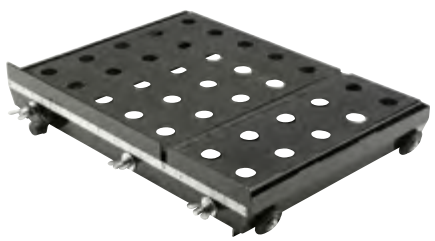
Accessories

Electric Water Pump – PE-1	708146 68392 3
BBL Mechanical Water Pump	003100 04436 9
BBL Water Pump Pulley	003100 04883 6
Conveyor Cart Replacement	003100 07390 5

***= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER
GENUINE NORTON DIAMOND BLADE INCLUDED WITH SAW.**



Electric Water Pump



Conveyor Cart Replacement

PRODUCT FEATURES



Water Pan Design

The extended length and open back make easier rip cutting of larger masonry materials.



Tilt-Locking Cart Wheels

Unique design that keeps conveyor in place with less shifting and smoother push/pull.



Stay Level Blade Guard

Full depth of cut.



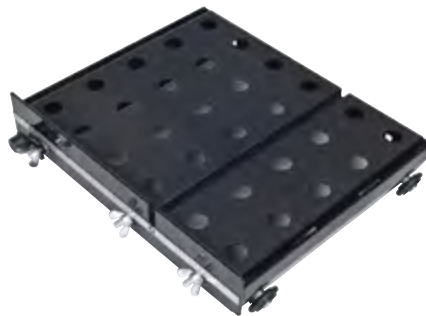
Combines the performance of a full size masonry saw with the convenience of portability. Also available in gas or electric versions, the BBC saws have a rugged jig-welded frame, durable enough for even the heaviest work load. Standard rear wheel dolly design and removable legs make transport and set-up easy.

TECHNICAL SPECIFICATIONS	BBC157	BBC207	BBC307	BBC547	BBC507
Product Number	701846 82488 0	701846 82501 6	701846 30011 7	701846 82175 9	701846 30012 4
Blade Guard Capacity – in. (mm)	14" (177)	14" (177)	20" (508)	14" (177)	20" (508)
Maximum Depth of Cut – in. (mm)	5" (127)	5" (127)	8" (203)	5" (127)	8" (203)
Arbor Size – in. (mm)	1" (25)	1" (25)	1" (25)	1" (25)	1" (25)
Blade Flange Diameter – in. (mm)	4" (107)	4" (107)	4" (107)	4" (107)	4" (107)
Blade Shaft RPM	2,900	2,900	2,400	2,900	2,400
Blade Shaft Bearings	1" Heavy Duty Flange				
Blade Shaft Drive	1 Belt				
Blade Guard Attachment	All Steel, Stay Level				
Conveyor Cart	All steel cart, tilt-lock cart wheels, anti-skid surface, measuring rule; 45°/90° cutting guide				
Frame	Heavy-duty, jig-welded steel frame. Open construction for larger materials. Adjustable foot pedal and head height control.				
Water Pump	Electric or Mechanically Belt Driven	Electric or Mechanically Belt Driven	Electric or Mechanically Belt Driven	Mechanically Belt Driven	Mechanically Belt Driven
Power Source	Electric	Electric	Electric	Gasoline	Gasoline
Motor/Engine Type	Baldor	Baldor	Baldor	Honda GX200	Honda GX200
Specifications	T.E.F.C., Thermal Protection	T.E.F.C., Thermal Protection	T.E.F.C., Thermal Protection	GX200K1QXC9	GX200K1QXC9
Net Horsepower*	1-1/2 HP	2 HP	3 HP	5.5 HP (4.1 kW)	5.5 HP (4.1 kW)
Voltage	115/230 volts	115/230 volts	208-230 volts	NA	NA
Cycle*/Current/Phase	60 Hz/AC/1	60 Hz/AC/1	60 Hz/AC/1	NA	NA
Full Load Amps	13.4/6.7 Amps	16.8/8.4 Amps	13 Amps	NA	NA
Starter	Capacitor	Capacitor	Capacitor	Recoil	Recoil
Engine Cooling	Air	Air	Air	Forced Air	Forced Air
Displacement – cu. In (l)	NA	NA	NA	11.96 cu. In (0.196 l)	11.96 cu. In (0.196 l)
Bore – in. (mm)	NA	NA	NA	2.7" (68)	2.7" (68)
Stroke – in. (mm)	NA	NA	NA	2.12" (54)	2.12" (54)
Cylinders/Stroke	NA	NA	NA	Single Cylinder 4 Cycle	Single Cylinder 4 Cycle
Fuel Capacity – gal. (l)	NA	NA	NA	.95 gal. (3.6 l)	.95 gal. (3.6 l)
Oil Capacity – qt. (l)	NA	NA	NA	.63 at. (.6 l)	.63 at. (.6 l)
Air Filter	NA	NA	NA	Four Stage Cyclone	Four Stage Cyclone
Saw Dimensions					
Saw Length – in. (mm)	60" (1,524)	60" (1,524)	60" (1,524)	60" (1,524)	60" (1,524)
Saw Width – in. (mm)	24" (609)	24" (609)	24" (609)	24" (609)	24" (609)
Saw Height – in. (mm)	34" (864)	34" (864)	34" (864)	38" (965)	38" (965)
Maximum Arbor Height Over Table – in. (mm)	24-1/2" (623)	24-1/2" (623)	24-1/2" (623)	24-1/2" (623)	24-1/2" (623)
Cart Length – in. (mm)	16" (404)	16" (404)	16" (404)	16" (404)	16" (404)
Cart Width – in. (mm)	19-3/8" (492)	19-3/8" (492)	19-3/8" (492)	19-3/8" (492)	19-3/8" (492)
Pan Length – in. (mm)	39-3/8" (1,000)	39-3/8" (1,000)	39-3/8" (1,000)	39-3/8" (1,000)	39-3/8" (1,000)
Pan Width – in. (mm)	18-1/8" (460)	18-1/8" (460)	18-1/8" (460)	18-1/8" (460)	18-1/8" (460)
Weight Crated – lbs (kg)	280 (127)	280 (127)	280 (127)	305 (138)	305 (138)
Weight Uncrated – lbs (kg)	250 (113)	250 (113)	250 (113)	275 (125)	275 (125)
Accessories					
Electric Water Pump – PE-1	708146 68392 3				
BBC Mechanical Water Pump	003100 04237 8				
BBC Water Pump Pulley	003100 04669 9				
Conveyor Cart Replacement	003100 07367 7				

*= DATA PROVIDED BY ENGINE MANUFACTURER
GENUINE NORTON DIAMOND BLADE INCLUDED WITH SAW.



Electric Water Pump



Conveyor Cart Replacement

PRODUCT FEATURES



All Steel Construction
All welded strong honeycomb reinforcement design.



Pivoting Locking Head
Plunge/step cutting and jam cutting (all the way down).



Clear View Cutting System
Offset of motor and blade allows operator to see the complete cutting surface.



Wet or Dry Cutting
Quick attach garden hose water system.



The innovative design of these small masonry saws has been copied many times due to its compact, all-steel unibody construction, giving the best weight-to-strength distribution. A 14" blade capacity and ergonomically-designed, three-position locking, cutting head provides a safe, clear view of the work area. Whether your choice is the 3HP brush motor or the 1.5HP induction motor for heavier commercial use, both come with features such as overload protection, garden hose connection and a channeled, flow water pan to direct dust and slurry away from the operator.

TECHNICAL SPECIFICATIONS	BBM307	BBM158
Product Number	701846 00684 2	701846 26327 6
Blade Guard Capacity – in. (mm)	14" (355)	14" (355)
Maximum Depth of Cut – in. (mm)	5" (127)	5" (127)
Arbor Size – in. (mm)	1" (25)	1" (25)
Blade Flange Diameter – in. (mm)	4" (100)	4" (100)
Blade Shaft RPM	3,600	2,800
Blade Shaft Bearings	Sealed Radial Bearings	Sealed Radial Bearings
Blade Shaft Drive	Gear Drive	Belt Drive
Blade Guard Attachment	All Steel, Pivoting Posi-Loc Cutting Head	All Steel, Pivoting Cutting Head
Conveyor Cart	Aluminum With Steel Wheels and Seale Bearings	Aluminum With Steel Wheels and Seale Bearings
Water Pump	Optional	Optional
Frame	Steel Reinforced Frame	Steel Reinforced Frame
Power Source	Electrical	Electrical
Motor/Engine Type	AC Universal Motor	Induction
Specifications	Carbon Brush, Thermal Protection	T.E.F.C., Thermal Protection
Net Horsepower*	3 HP	2 HP
Voltage	115 volts	115/230 volts
Cycle*/Current/Phase	60Hz/AC/1	60Hz/AC/1
Full Load Amps	10 Amps	15 Amps
Starter	NA	NA
Engine Cooling	Forced Air	Forced Air
Air Filter	Yes	NA
Saw Dimensions		
Saw Length – in. (mm)	31-1/2" (800)	31-1/2" (800)
Saw Width – in. (mm)	18" (470)	18" (470)
Saw Height – in. (mm)	30" (762)	27-3/4" (695)
Maximum Arbor Height Over Table – in. (mm)	15-1/16" (383)	16-17/32" (420)
Cart Length – in. (mm)	10-7/16" (265)	10-7/16" (265)
Cart Width – in. (mm)	16-17/32" (420)	16-17/32" (420)
Pan Length – in. (mm)	30-1/8" (765)	30-1/8" (765)
Pan Width – in. (mm)	16" (405)	16" (405)
Weight Crated – lbs (kg)	90 (40.8)	150 (68)
Weight Uncrated – lbs (kg)	75 (34)	123.2 (56)
Accessories		
Wet Kit	701846 00704 7	
Stand	701846 00691 0	

*= DATA PROVIDED BY ENGINE MANUFACTURER
GENUINE NORTON DIAMOND BLADE INCLUDED WITH SAW.



Wet Kit



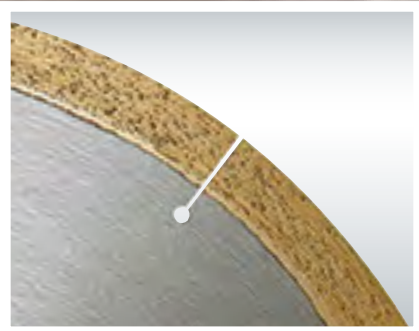
Stand



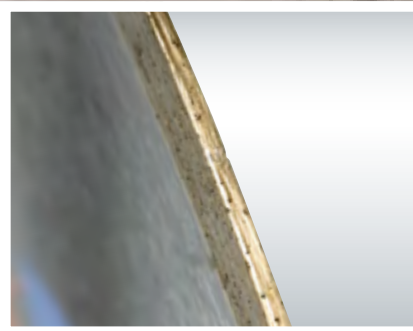


razor sharp FOR THE EDGE YOU NEED

To produce razor-like cuts in porcelain or ceramic, marble and granite, the Slicer diamond blade is unbeatable. The high tensile, strengthened steel core blade extends life and speed to provide a clean, crisp, accurate cut. Don't settle, when Slicer can help you achieve exceptional results.



Premium Segment Specification
Special bond for the smoothest cut and finish, ideal for porcelain.



Precision Cuts, Every Time
Razor-thin design reduces loss of material

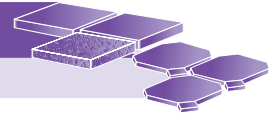


Thinnest Cuts, Longest Life
Thin, high tensile strength steel core for better accuracy and less wobbling.



Natural Stone and Tiles

Ceramic and stone tiles, granite, marble, very hard bricks and other very hard and dense materials.



WET – CONTINUOUS RIM

SLICER

Razor-like cut, but with high tensile strength steel core for greater accuracy and less wobbling. The bond and diamond specification enhance cutting speed and improve blade life, particularly in hard materials for premium performance.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 84183 2	NXSLC0700	7 x .060 x 5/8	8730	.393"
701846 84184 9	NXSLC0800	8 x .060 x 5/8	7640	.393"
701846 84185 6	NXSLC1000	10 x .060 x 5/8	6115	.393"



SLICER GLASS

Utilizes all the core characteristics of the original Slicer and blends in a special bond to allow virtually chip-free cutting time and time again. The ultra thin blade is best suited for cutting glass, it also performs well on critically hard materials.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 84533 5	SLSGLS0700	7 x .060 x 7/8	8730	.393"



NORTON CLASSIC

Excellent quality with good performance in general purpose materials. The right bond and diamond content allows clean cutting with long use. Well suited for softer tile or stone materials on low horsepower tile saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 01196 1	CON6WT	6 x .065 x 5/8	10185	.393"
701846 84017 0	CON7WT	7 x .065 x 5/8	8730	.393"
076607 02785 6	CON8WT	8 x .070 x 5/8	7640	.393"
076607 02784 9	CON10WT	10 x .070 x 5/8	6115	.393"



DRY – CONTINUOUS RIM

SLICER MARBLE

Electroplated diamond blade. The specific manufacturing process allows the smoothest cut in hard materials. The drop-down diamond inserts on the steel center clean the cutting profile to ensure the best quality of cut on marble and other natural stone.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 84528 1	SLSMAR0450	4-1/2 x .040 x 7/8	13300	.275"
701846 84529 8	SLSMAR0500	5 x .040 x 7/8	12000	.275"
701846 84530 4	SLSMAR0700	7 x .060 x 7/8	8730	.275"



NORTON CLASSIC

An economical solution for small to medium size jobs cutting softer ceramic tile and stone materials with efficient cutting ability.

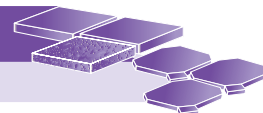
UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 02793 1	CON4DT	4 x .080 x 7/8-5/8-20mm	15000	.275"
076607 01194 7	CON45DT	4-1/2 x .080 x 7/8-5/8-20mm	13300	.275"
076607 02788 7	CON7DT	7 x .090 x DM-7/8-5/8	8730	.275"





Natural Stone and Tiles

Ceramic and stone tiles, granite, marble, very hard bricks and other very hard and dense materials.

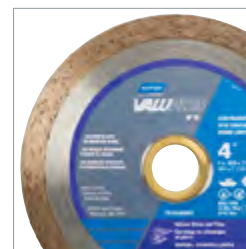


DRY – CONTINUOUS RIM (CONTINUED)

VALUPLUS

A value price point for small to medium size jobs cutting standard ceramic tile with efficient cutting on low horsepower tile saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 84087 3	VPDT0400	4 x .080 x 7/8-5/8-20mm	15000	.275"
701846 84088 0	VPDT0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.275"
701846 84089 7	VPDT0700	7 x .090 x DM-7/8-5/8	8730	.275"



DRY – TURBO RIM

AERO-JET

Very fast, smooth cutting. The .590" high segment rim adds extremely long life whether cutting wet or dry in hard materials. Exclusive arrow shape protection inserts for precision straight cuts. A ventilated waved steel core for better cooling and intensive use. Exceptional cutting on a very wide range of materials with a high quality finished cut.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 83778 1	AERO0400	4 x .070 x 7/8-5/8-20mm	15000	.472"
701846 83779 8	AERO0450	4-1/2 x .070 x 7/8-5/8-20mm	13300	.472"
701846 83780 4	AERO0500	5 x .070 x 7/8-5/8-20mm	12000	.472"
701846 83781 1	AERO0700	7 x .090 x DM-7/8-5/8	8730	.472"
701846 83782 8	AERO0800	8 x .090 x DM-7/8-5/8	7640	.472"
701846 83783 5	AERO1000	10 x .110 x 1-7/8-5/8	6115	.472"



SLICER FLUSH

Combines the core characteristics of the Slicer with a flush mount hub for high performance cutting of marble, granite, blue stone and porcelain tiles against a wall or backsplash for a chip-free cut, flush to the counter or edge.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 84546 5	SLSTURFL0450	4-1/2 x .040 x 7/8	13300	.472"
701846 84545 8	SLSTURFL0500	5 x .040 x 7/8"	12000	.472"



TILE SAW BLADES

Maximum Blade Cutting Depths and Recommended Operating Speeds

BLADE DIAMETER	CUTTING DEPTH	IDEAL SPEED (RPM)	MAX. SPEED (RPM)
4"	3/4"	9,072	15,000
4-1/2"	1"	8,063	13,300
5"	1-1/4"	7,257	12,000
6"	1-3/4"	6,048	10,185
7"	2-1/4"	5,184	8,730
8"	2-3/4"	4,536	7,640
9"	3-1/4"	4,032	6,790
10"	3-3/4"	3,629	6,115



General Purpose and Masonry Building Materials

Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.

DRY – SEGMENTED RIM +

CHARGER

High performance dry cutting of a variety of materials. The segment specification allows extended life and fast cut for medium to large jobs.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 04019 0	CGDSEG1000	10 x .100 x 1-7/8-5/8	6115	.393"



NORTON CLASSIC

The improved bond provides longer life at an economical price for small to medium size jobs on smaller tile and rail saws.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 01201 2	CODSEG1000	10 x .100 x 1-7/8-5/8	6115	.275"

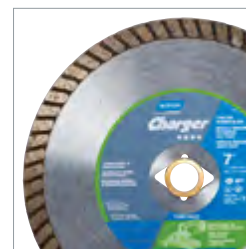


DRY – TURBO RIM +

CHARGER

Combines the characteristics of standard Charger blade with a turbo rim configuration for cutting hard, dense materials with minimal effort. A better bond and diamond concentration for maximum cutting speed, life and quality of cut.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 04022 0	CGTURB0700	7 x .090 x DM-7/8-5/8	8730	.427"
701846 81512 3	CGTURB0800	8 x .090 x DM-7/8-5/8	7640	.427"



NORTON CLASSIC

Great blade for cutting softer tile, brick and pavers with hand held tools or smaller tile saws. Offers chip-free cutting and good blade life.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 02787 0	COTURB0700	7 x .090 x DM-7/8-5/8	8730	.275"
076607 04016 9	0700TURB05PK	7 x .090 x DM-7/8-5/8	8730	.275"
076607 02780 1	COTURB1000	10 x .100 x 1-7/8-5/8"	6115	.275"



VALUPLUS

For value and performance on small to medium size jobs cutting soft brick and tile. The sintered turbo continuous rim cuts fast with a smoother quality of cut.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 84107 8	VPTURB0700	7 x .090 x DM-7/8-5/8	8730	.275"



PRODUCT FEATURES

**2HP Motor**

More powerful than using conventional 1.5HP and can make a rip cut of 24" tile.

**Light-Weight**

60 lbs vs. standard 100-125 lbs for easier transportation.

**Aluminum Rails with Stainless Insert**

Provides long life and easy portability due to low coefficient of friction, creating smoother slide.

**Upgraded Backsplash Pan**

Catches water on larger tile/block cutting and easily detaches.



* Stand sold separately

Built with the professional in mind, the CTC1020XL is the newest to the tile industry. The powerful 2HP motor makes ripping materials, up to 24", trouble-free. The combination of having a light-weight, sturdy frame and a newly designed polypropylene pan, to help reduce area contamination, gives an operator all the essentials to get the job done quickly and efficiently.

TECHNICAL SPECIFICATIONS

	CTC1020XL
Product Number	701846 30013 1
Blade Guard Capacity – in. (mm)	10" (254)
Maximum Depth of Cut – in. (mm)	3-3/4" (88)
Arbor Size – in. (mm)	5/8"
Blade Flange Diameter – in. (mm)	3 (78)
Blade Shaft RPM	3,000
Maximum Material Size – in. (mm)	24" x 24"
Rip Cut Size – in. (mm)	24" (610)
Diagonal Size – in. (mm)	18" (457)
Cut Depth – in. (mm)	3-3/4" (95)
Cutting Head	Cast Aluminum
Built-In 45° Miter Cut	NO, Includes Miter Block
Cutting Table	Aluminum With Rubber Coating
Water Pump	YES
Power Source	Electric
Motor/Engine Type	Brush Motor with Thermal Protection
Maximum Horsepower*	2 HP
Voltage	115 volt
Cycle*/Current/Phase	60 Hz/AC/1
Full Load Amps	8 Amp
Saw Dimensions	
Saw Length – in. (mm)	51-7/8" (1318)
Saw Width – in. (mm)	25-3/16" (640)
Saw Height – in. (mm)	20-7/8" (530)
Saw Height With Stand – in. (mm)	41-13/16" (1240)
Arbor to Top of Cart – in. (mm)	4-3/4" (120)
Cart (Table) Length – in. (mm)	16" (406)
Cart (Table) Width – in. (mm)	16-9/64" (410)
Cart Travel – in. (mm)	22-5/8" (575)
Pan Length – in. (mm)	51-7/8" (1318)
Pan Width – in. (mm)	25-3/16" (640)
Weight Crated – lbs (kg)	75 (34)
Weight Uncrated – lbs. (kg)	65 (29.5)
Accessories	
Electric Water Pump - PE-1	701846 68392 6
Premium Stand w/Work Table	701846 43045 6
Adjustable Angle Guide	701846 80907 8

*= DATA PROVIDED BY ENGINE MANUFACTURER
GENUINE NORTON DIAMOND BLADE INCLUDED WITH SAW.



Electric Water Pump



Premium Stand with Work Table

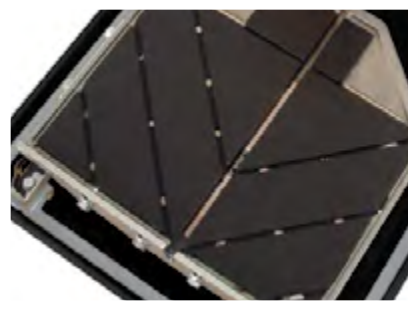


Adjustable Angle Guide

PRODUCT FEATURES

**Motor Upgrade**

Strong belt-driven 1 HP motor provides powerful and precise cutting.

**Light-Weight Conveyor**

Smooth slide creates straight cuts and has a locking mechanism for easier transportation.

**Water Pump**

High intake and output to keep fresh water in pan with a durable filter to keep debris out.



* Stand sold separately

A great value for a 7" tile saw that can handle the small to medium size jobs. This saw has many features of more expensive tile saws, like a belt-driven 1 HP motor for maximum motor-to-blade power. A sturdy aluminum cutting table with anti-skid top for keeping material in place while cutting and a light-weight water pan for easy cleaning and/or single operator use getting on and off the site.

TECHNICAL SPECIFICATIONS

	CTC705
Product Number	701846 81496 6
Blade Guard Capacity – in. (mm)	7" (177)
Maximum Depth of Cut – in. (mm)	2-1/4" (57)
Arbor Size – in. (mm)	5/8"
Blade Flange Diameter – in. (mm)	2-1/2" (66)
Blade Shaft RPM	6000 RPM
Maximum Material Size – in. (mm)	17" (431)
Rip Cut Size – in. (mm)	17" (431)
Diagonal Size – in. (mm)	12" (305)
Cut Depth – in. (mm)	1-3/4" (44.5)
Cutting Head	Cast Aluminum
Built-In 45° Miter Cut	No
Cutting Table	Aluminum
Water Pump	Yes
Power Source	Electric
Motor/Engine Type	Carbon Brush
Maximum Horsepower*	1 HP
Voltage	115 volt
Cycle*/Current/Phase	60 Hz/AC/1
Full Load Amps	10 Amps
Saw Dimensions	
Saw Length – in. (mm)	30" (762)
Saw Width – in. (mm)	19-3/4" (502)
Saw Height – in. (mm)	17-1/2" (445)
Saw Height With Stand – in. (mm)	47-3/4" (1213)
Arbor to Top of Cart – in. (mm)	Adjustable
Cart (Table) Length – in. (mm)	14-1/4" (362)
Cart (Table) Width – in. (mm)	15" (381)
Cart Travel – in. (mm)	18-3/4" (477)
Pan Length – in. (mm)	30" (762)
Weight Crated – lbs. (kg)	50 (22.7)
Weight Uncrated – lbs. (kg)	43 (19.5)
Accessories	
Premium Stand w/Work Table	701846 43045 6
Electric Water Pump - PE-1	701846 68392 6
Adjustable Angle Guide	701846 80907 8

*= DATA PROVIDED BY ENGINE MANUFACTURER
GENUINE NORTON DIAMOND BLADE INCLUDED WITH SAW.



Electric Water Pump



Premium Stand with Work Table



Adjustable Angle Guide



Built-In Water Pan

Single unit design with optimized water recycling.



Chrome Steel Tilting Table

Convenient for miter cutting of 0-45° cuts with a tilt design to allow for quicker blade changes.



Quick Locking Rip Guide

Secures guide position for precise cuts.



The simple design of the tabletop tile saw features a powerful professional motor that veterans and novices alike will enjoy operating. Its solid construction incorporates a self-contained water pan with plug release, tilting table for miter cuts and a fast, precise lockable cutting guide. The robust carrying case allows for easy transportation or storage while protecting the unit.

TECHNICAL SPECIFICATIONS

CTC701

Product Number	701846 30029 2
Blade Guard Capacity – in. (mm)	7" (177)
Maximum Depth of Cut – in. (mm)	2-1/4" (57)
Arbor Size – in. (mm)	5/8"
Blade Flange Diameter – in. (mm)	3 (78)
Blade Shaft RPM	2,990
Cut Depth – in. (mm)	1-9/16" (40)
Cutting Head	Steel
Built-In 45° Miter Cut	YES
Cutting Table	Chrome Steel
Water Pump	Blade Rotates In Water Pan
Power Source	Electric
Motor/Engine Type	T.E.F.C.
Maximum Horsepower*	1.5 HP
Voltage	115 volt
Cycle*/Current/Phase	60 Hz/AC/1
Full Load Amps	7 Amps

Saw Dimensions

Saw Length – in. (mm)	18.11" (460)
Saw Width – in. (mm)	14.17" (360)
Saw Height – in. (mm)	11-7/16" (290)
Weight Crated – lbs (kg)	40 (18)
Weight Uncrated – lbs (kg)	35 (15.9)

*= DATA PROVIDED BY MOTOR MANUFACTURER



Recommended Blade Upgrade

ValuPlus Continuous Rim

See page 76



Wet Cut Kit (included)
Easy attaching water control.



1/2 HP for Ample Cutting
Powerful clean cuts in hard materials.



Built-in Miter Cut Capability
Simple tilting miter table for cutting up to 45°.



This is the portable solution for dry or wet cutting on smaller jobs. The 115 volt, single phase motor provides all the power you need combined with a built-in miter and depth adjustment to produce clean, accurate cuts every time.

TECHNICAL SPECIFICATIONS

TC405

Product Number	701846 82709 6
Blade Guard Capacity – in. (mm)	5" (127)
Maximum Depth of Cut – in. (mm)	1-1/4" (31)
Arbor Size – in. (mm)	20mm
Blade Flange Diameter – in. (mm)	1.41 (36)
Blade Shaft RPM	12,000
Cut Depth – in. (mm)	1-3/16" (30)
Built-In 45° Miter Cut	YES
Power Source	Electric
Motor/Engine Type	Universal Brush
Maximum Horsepower*	1/2 HP
Voltage	115 volt
Cycle*/Current/Phase	60 Hz/AC/1
Full Load Amps	5 Amp

Saw Dimensions

Saw Length – in. (mm)	9-3/8" (238)
Saw Width – in. (mm)	7-7/8" (200)
Saw Height – in. (mm)	6-1/2" (165)
Weight Crated – lbs (kg)	8 (3.6)
Weight Uncrated – lbs (kg)	6.4 (2.9)

*= DATA PROVIDED BY MOTOR MANUFACTURER
GENUINE NORTON DIAMOND BLADE (3 QTY) INCLUDED WITH SAW.



Recommended Blade Upgrade
Norton Classic Continuous Rim
See page 75





the dynamic duo A FAMILY OF EVOLUTION

Two is definitely better than one when you can bring twice the performance in cut and life to the job. The split segment design and V-shaped gullets optimize the angle of attack while enhancing particle evacuation. The result is exceptional cutting speed and unprecedented blade life in critically hard materials. It's all about the tools that work harder so you don't have to.



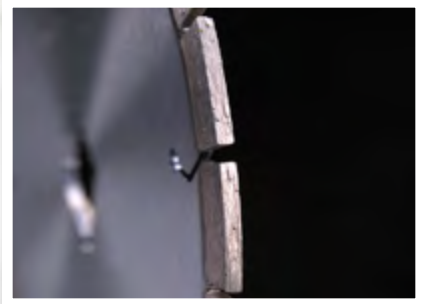
Trapezoidal Segments

Provide low vibration and cutting speed with high comfort of cut.



Two Segments per Land

More gullets, contribute to reducing diamond wear.



Unique Gullets

Improve cooling life and permanent blade direction rotation.



General Purpose and Masonry Building Materials

Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.

DRY – SEGMENTED RIM  

DUO    

The original DUO. The innovative, exclusive design introduced in 2002 has become a dominant name in the market. The unique dual segment per land technology provides excellent cutting speed with low vibration and high comfort of cut. The exclusive arrow shape gullets not only indicate blade direction but they also assist in fast removal of cutting debris. Maximum performance when cutting hard materials and fiber cement board.



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 84526 7	DUO0450	4-1/2 x .086 x 7/8-5/8-20mm	13300	.393"
701846 84527 4	DUO0500	5 x .086 x 7/8-5/8-20mm	12000	.393"
701846 84129 8	DUO0700	7 x .098 x DM-7/8-5/8	8730	.393"

CHARGER    

High performance dry cutting of a variety of materials. The segment specification allows extended life and fast cut for medium to large jobs.



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 81505 5	CGDSEG0400	4 x .080 x 7/8-5/8-20mm	15000	.393"
076607 04021 3	CGDSEG0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.393"
701846 82851 2	CGDSEG0500	5 x .080 x 7/8-5/8-20mm	12000	.393"
701846 83820 7	CGDSEG0600	6 x .080 x 7/8-5/8-20mm	10185	.393"
076607 04020 6	CGDSEG0700	7 x .090 x DM-7/8-5/8	8730	.393"
701846 81513 0	CGDSEG0800	8 x .090 x DM-7/8-5/8	7640	.393"
701846 69483 4	CGDSEG0900	9 x .090 x 7/8-5/8"	6600	.393"

NORTON CLASSIC   

The improved bond provides longer life at an economical price for small to medium size jobs on smaller tile and rail saws.



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 02791 7	CODSEG0400	4 x .080 x 7/8-5/8-20mm	15000	.315"
076607 02789 4	CODSEG0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.315"
701846 84463 5	0450SEG5PK	4-1/2 x .080 x 7/8-5/8-20mm	13300	.315"
701846 84006 4	CODSEG0600	6 x .080 x 7/8-5/8-20mm	10185	.315"
076607 02786 3	CODSEG0700	7 x .090 x DM-7/8-5/8	8730	.315"
701846 84464 2	0700SEG5PK	7 x .090 x DM-7/8-5/8	8730	.315"

VALUPLUS  

For value and performance on small to medium size jobs cutting soft abrasive materials like brick and tile. The sintered rim delivers a quality cut and good life.

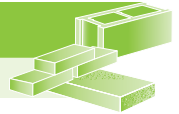


UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 84098 9	VPSEG0400	4 x .080 x 7/8-5/8-20mm	15000	.275"
701846 84099 6	VPSEG0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.275"
701846 84100 9	VPSEG0700	7 x .090 x DM-7/8-5/8	8730	.275"



General Purpose and Masonry Building Materials

Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.



DRY – TURBO RIM

CHARGER

Combines the characteristics of standard Charger blade with a turbo rim configuration for cutting hard, dense materials with minimal effort. A better bond and diamond concentration for maximum cutting speed, life and quality of cut.



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 05475	3 CGTURB0400	4 x .080 x 7/8-5/8-20mm	15000	.394"
076607 04023	7 CGTURB0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.394"
701846 82853	6 CGTURB0500	5 x .080 x 7/8-5/8-20mm	12000	.394"
701846 83821	4 CGTURB0600	6 x .080 x 7/8-5/8-20mm	10185	.394"
076607 04022	0 CGTURB0700	7 x .090 x DM-7/8-5/8	8730	.394"
701846 81512	3 CGTURB0800	8 x .090 x DM-7/8-5/8	7640	.394"

NORTON CLASSIC

Great blade for cutting softer tile, brick and pavers with hand held tools or smaller tile saws. Offers chip-free cutting and good blade life.



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 02792	4 COTURB0400	4 x .080 x 7/8-5/8-20mm	15000	.315"
076607 04018	3 0400TURB05PK	4 x .080 x 7/8-5/8-20mm	15000	.315"
076607 02790	0 COTURB0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.315"
076607 04017	6 0450TURB05PK	4-1/2 x .080 x 7/8-5/8-20mm	13300	.315"
076607 05344	2 COMBO Pack	4-1/2 x .080 x 7/8-5/8-20mm	13300	.315"
701846 84011	8 COTURB0600	6 x .080 x 7/8-5/8-20mm	10185	.315"
076607 02787	0 COTURB0700	7 x .090 x DM-7/8-5/8	8730	.315"
076607 04016	9 0700TURB05PK	7 x .090 x DM-7/8-5/8	8730	.315"

VALUPLUS

For value and performance on small to medium size jobs cutting soft brick and tile. The turbo continuous rim cuts fast with a smoother quality of cut.

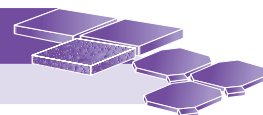


UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 84105	4 VPTURB0400	4 x .080 x 7/8-5/8-20mm	15000	.275"
701846 84106	1 VPTURB0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.275"
701846 84107	8 VPTURB0700	7 x .090 x DM-7/8-5/8	8730	.275"



Natural Stone and Tiles

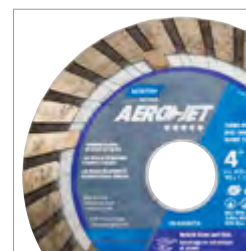
Ceramic and stone tiles, granite, marble, very hard bricks and other very hard and dense materials.



DRY – TURBO RIM

AERO-JET

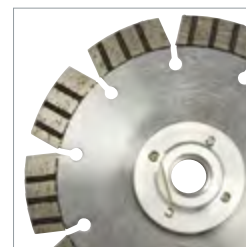
Very fast, smooth cutting. The .590" high segment rim adds extremely long life whether cutting wet or dry in hard materials. Exclusive arrow shape protection inserts for precision straight cuts. A ventilated waved steel core for better cooling and intensive use. Exceptional cutting on a very wide range of materials with a high quality finished cut.



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 83778 1	AERO0400	4 x .070 x 7/8-5/8-20mm	15000	.590"
701846 83779 8	AERO0450	4-1/2 x .070 x 7/8-5/8-20mm	13300	.590"
701846 83780 4	AERO0500	5 x .070 x 7/8-5/8-20mm	12000	.590"
701846 83781 1	AERO0700	7 x .090 x DM-7/8-5/8	8730	.590"
701846 83782 8	AERO0800	8 x .090 x DM-7/8-5/8	7640	.590"

SLICER FLUSH

Combines the core characteristics of the Slicer with a flush mount hub for high performance cutting of marble, granite, blue stone and porcelain tiles against a wall or backsplash for a chip-free edge flush to the counter or edge.



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 84546 5	SLSTURFL0450	4-1/2 x .040 x 7/8	13300	.590"
701846 84545 8	SLSTURFL0500	5 x .040 x 7/8"	12000	.590"

DRY – SEGMENTED RIM

SLICER MARBLE

Electroplated diamond blade. The specific manufacturing process allows the smoothest cut in hard materials. The drop-down diamond inserts on the steel center clean the cutting profile to ensure the best quality of cut on marble and other natural stone.



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 84528 1	SLSMAR0450	4-1/2 x .040 x 7/8	13300	.275"
701846 84529 8	SLSMAR0500	5 x .040 x 7/8	12000	.275"
701846 84530 4	SLSMAR0700	7 x .060 x 7/8	8730	.275"

DRY – CONTINUOUS RIM

NORTON CLASSIC

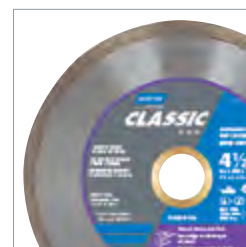
An economical solution for small to medium size jobs cutting softer ceramic tile and stone materials with efficient cutting ability.



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
076607 02793 1	CON4DT	4 x .080 x 7/8-5/8-20mm	15000	.275"
076607 01194 7	CON45DT	4-1/2 x .080 x 7/8-5/8-20mm	13300	.275"
076607 02788 7	CON7DT	7 x .090 x DM-7/8-5/8	8730	.275"

VALUPLUS

A value price point for small to medium size jobs cutting standard ceramic tile with efficient cutting on low horsepower tile saws.

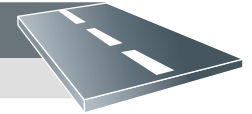


UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 84087 3	VPDT0400	4 x .080 x 7/8-5/8-20mm	15000	.275"
701846 84088 0	VPDT0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.275"
701846 84089 7	VPDT0700	7 x .090 x DM-7/8-5/8	8730	.275"



Asphalt and Abrasive Materials

Asphalt, green concrete, asphalt over concrete, abrasive blocks, mortar and other abrasive materials.



DRY – TUCK POINTING 

CHARGER 

High performance dry cutting with an extra wide .250 segment specification that allows thorough cleaning and extended life for mortar or expansion joint repair.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 81506 1	CGTUCK0400	4 x .250 x 7/8-5/8-20mm	15000	.275"
701846 81781 3	CGTUCK0450	4-1/2 x .250 x 7/8-5/8-20mm	13300	.275"



NORTON CLASSIC 

An economical solution for small to medium tuck pointing jobs. High quality performance for heavy grout removal or mortar jointing. The heavy duty wide segment reduces wear in abrasive materials.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 81776 9	CHTUCK0400	4 x .250 x 7/8-5/8-20mm	15000	.275"
701846 81777 6	CHTUCK0450	4-1/2 x .250 x 7/8-5/8-20mm	13300	.275"
701846 81778 3	CHTUCK0500	5 x .250 x 7/8-5/8-20mm	12000	.275"
701846 81779 0	CHTUCK0700	7 x .250 x 7/8-5/8-20mm	8730	.275"
701846 81780 6	CHTUCK0800	8 x .250 x 7/8-5/8-20mm	7640	.275"



VALUPLUS 

A value price point for small to medium size jobs. Cleans grout and motor joints quickly and efficiently with hand-held tools.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 84020 0	CON4TP	4 x .250 x 7/8-5/8-20mm	15000	.275"
701846 83862 7	CON45TP	4-1/2 x .250 x 7/8-5/8-20mm	13300	.275"



Reinforced Concrete and Harder Building Materials

Reinforced concrete, hard bricks, limestone, terrazzo, and other hard materials.

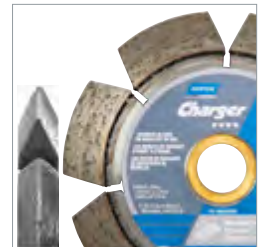


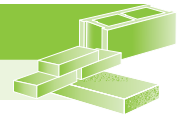
DRY – CRACK CHASING 

CHARGER 

A heavy V-shaped segment designed with a special bond and diamond content for maximum removal of grout, mortar jointing, crack chasing and crack widening. Fast cutting and long life in abrasive materials using portable tools. Highly competitive to others of its kind in the market.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 83856 6	CGCC0400	4 x .375 x 7/8-5/8-20mm	15000	.550"
701846 83859 7	CGCC0700	7 x .375 x 7/8-5/8-20mm	8730	.550"





General Purpose and Masonry Building Materials

Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.

DRY – CUP GRINDER

NORTON CLASSIC

Available in a range of sizes and segment designs for optimum performance by life or by speed. Ideal for levelling all types of masonry materials, brick, block, concrete and stone. Strategically placed hole designs help ventilate dust from the surface to extend the life of the cups.



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	
Single Row for Fast Stock Removal					
701846	82585 6	CHSCPH0400	4 x 7/8-5/8-20mm	15000	.210"
701846	84035 4	CHSCPH0500	5 x 7/8-5/8-20mm	12225	.210"
701846	82594 8	CHSCPH0700	7 x 7/8-5/8-20mm	8730	.210"
701846	82555 9	CHSCPT0400	4 x 5/8"-11	15000	.210"
701846	84036 1	CHSCPT0500	5 x 5/8"-11	12225	.210"
701846	82593 1	CHSCPT0700	7 x 5/8"-11	8730	.210"

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	
Double Row for Long Life, Smooth Finish					
701846	82588 7	CHDCPH0400	4 x 7/8-5/8-20mm	15000	.210"
701846	84037 8	CHDCPH0500	5 x 7/8-5/8-20mm	12225	.210"
701846	82596 2	CHDCPH0700	7 x 7/8-5/8-20mm	87330	.210"
701846	82586 3	CHDCPT0400	4 x 5/8"-11	15000	.210"
701846	84038 5	CHDCPT0500	5 x 5/8"-11	12225	.210"
701846	82595 5	CHDCPT0700	7 x 5/8"-11	8730	.210"



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	
Swirl for Most Aggressive Cut, Smooth Finish					
701846	84039 2	CHSWCPH0500	5 x 7/8-5/8-20mm	12225	.180"
701846	83825 2	CHSWCPH0700	7 x 7/8-5/8-20mm	8730	.180"
701846	83826 9	CHSWCPT0400	4 x 5/8"-11	15000	.180"
701846	84040 8	CHSWCPT0500	5 x 5/8"-11	12225	.180"
701846	83827 6	CHSWCPT0700	7 x 5/8"-11	8730	.180"



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	
Turbo for Long Life, Very Smooth Finish					
701846	83830 6	CHTURCPT0400	4 x 5/8"-11	15000	.210"
701846	83831 3	CHTURCPT0700	7 x 5/8"-11	8730	.210"
701846	44801 7	CHTURSB0450	4-1/2" X 5/8-11	15000	.196"
701846	44802 4	CHTURSB0700	7 x 5/8"-11	8730	.196"





Multi-Purpose, All Materials

Concrete, reinforced concrete, granite, building materials, thin steel sections, angle iron up to 1/2" material thickness, rebar up to no. 5.



REINFORCED CUT-OFF WHEELS

NORTON METAL

Standard grade with good performance and life when cutting metal.

UPC	SIZE	MAX RPM	STD PKG
076607 89399 3	14 x 7/64 x 1	4365	5



NORTON METAL – PRO STUD

A thin, side-reinforced wheel with high-performance aluminum oxide abrasive. Designed specifically for cutting steel studs.

UPC	SIZE	MAX RPM	STD PKG
076607 89405 5	14 x 7/64 x 1	4365	10



General Purpose and Masonry Building Materials

Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.



REINFORCED CUT-OFF WHEELS

GEMINI CONCRETE

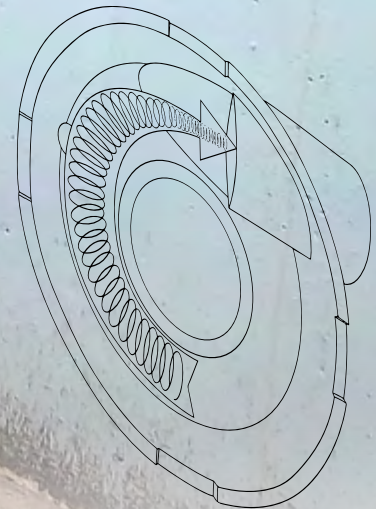
Standard silicon carbide with good performance when cutting brick, block, concrete and other masonry materials.

UPC	SIZE	MAX RPM	STD PKG
076607 89402 7	14 x 7/64 x 1	4365	5



you won't get left in the dust **WITH THE NORTON VACUUM SHROUD**

Hand grinding of concrete and masonry surfaces and mortar is a tough, dirty task. It doesn't have to be with the new Norton Vacuum Shroud. The Vacuum Shroud's design creates a cyclonic affect extracting dust and debris from the work surface into the support vacuum. This prolongs the life of the grinding cup and grinder and provides a smoother surface while decreasing the chance of dust particle inhalation. A durable, heavy-duty, scratch-resistant plastic design can withstand the constant abuse of hand grinding applications. The hinged front can be used to work closely to the corner of the walls or improve visibility of the surface while reducing airborne dust.



UPC
701846 41039 7

DESCRIPTION
Kit includes: One Shroud, Five different adaptor rings to fit most popular right angle grinders, One 7" Norton Classic Single Row Cup Wheel



Simple and Easy Design

Durable, scratch-resistant body with steel reinforcement ring to provide strong support when grinding. Provides smoother and longer shroud life.



Additional Adapters

Five extra adaptor rings enabling the shroud to be mounted on various industry grinders. Every kit comes with a single row diamond cup.



Hinged Window

Provides additional visibility of the surface with closer grinding performance along walls and corners.

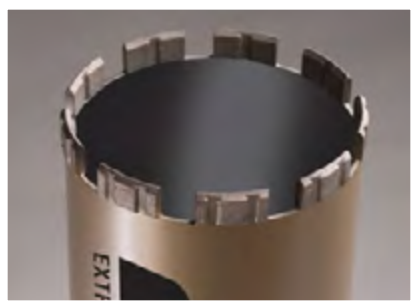
CORE DRILL





hard to the core **EXTREME PERFORMANCE**

You get a little “bit” more perfection with this innovative design of Norton X3. A tapered top permits the core bit to penetrate quick and efficiently into the toughest aggregates and steel-reinforced concrete while strategic fluting accelerates cut and debris extraction. Remember, not all holes are created equally.



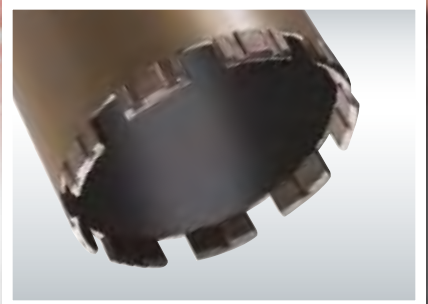
Strong Cores

Each tube is laser-welded to withstand demanding applications.



Tapered Segment

Turbo type design allows faster penetration.



Large Segment Height

Extends product life.



Reinforced Concrete and Harder Building Materials

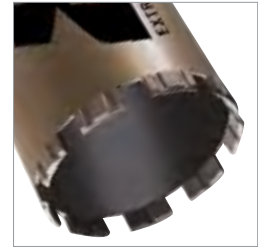
Reinforced concrete, hard bricks, limestone, terrazzo, and other hard materials.



WET

X3

Unique segment geometry provides quicker penetration with exceptional cutting speed in critically hard materials using standard speed, core drill equipment.



UPC	PART #	SIZE IN INCHES	SIZE IN MM	MAX RPM	SEGMENT HEIGHT
701846 42289	5 X3 2" Laser Welded	2"	51mm	2000	.393"
701846 42290	1 X3 2-1/2" Laser Welded	2-1/2"	64mm	1300	.393"
701846 42291	8 X3 3" Laser Welded	3"	76mm	1300	.393"
701846 42292	5 X3 3-1/2" Laser Welded	3-1/2"	89mm	1300	.393"
701846 42293	2 X3 4" Laser Welded	4"	102mm	1000	.393"
701846 42294	9 X3 4-1/2" Laser Welded	4-1/2"	114mm	800	.393"
701846 42295	6 X3 5" Laser Welded	5"	127mm	800	.393"
701846 42296	3 X3 6" Laser Welded	6"	152mm	665	.393"
701846 42297	0 X3 7" Laser Welded	7"	178mm	600	.393"
701846 42298	7 X3 8" Laser Welded	8"	203mm	500	.393"
701846 82813	0 X3 10" Laser Welded	10"	254mm	400	.393"
701846 43720	2 X3 12" Laser Welded	12"	305mm	330	.393"
701846 42721	9 X3 14" Laser Welded	14"	356mm	285	.393"

CHARGER

Laser welded segments for faster penetration in medium aggregate with reinforcement and maximum utilization of segment life.



UPC	PART #	SIZE IN INCHES	SIZE IN MM	MAX RPM	SEGMENT HEIGHT
701846 82778	2 CGBIT0100	1"	25mm	4,000	.315"
701846 82779	9 CGBIT0125	1-1/4"	32mm	3,000	.315"
701846 82780	5 CGBIT0150	1-1/2"	38mm	3,000	.315"
701846 82781	2 CGBIT0175	1-3/4"	44mm	2,000	.315"
701846 82782	9 CGBIT0200	2"	51mm	2,000	.315"
701846 82783	6 CGBIT0225	2-1/4"	57mm	1,300	.315"
701846 82784	3 CGBIT0250	2-1/2"	64mm	1,300	.315"
701846 82785	0 CGBIT0300	3"	76mm	1,300	.315"
701846 82786	7 CGBIT0350	3-1/2"	89mm	1,000	.315"
701846 82787	4 CGBIT0400	4"	102mm	1,000	.315"
701846 82788	1 CGBIT0425	4-1/4"	108mm	800	.315"
701846 82789	8 CGBIT0450	4-1/2"	114mm	800	.315"
701846 82790	4 CGBIT0500	5"	127mm	800	.315"
701846 82791	1 CGBIT0600	6"	152mm	665	.315"
701846 82792	8 CGBIT0700	7"	178mm	600	.315"
701846 82793	5 CGBIT0800	8"	203mm	500	.315"
701846 82794	2 CGBIT1000	10"	254mm	400	.315"
701846 82795	9 CGBIT1200	12"	305mm	330	.315"
701846 82796	6 CGBIT1400	14"	356mm	285	.315"



Reinforced Concrete and Harder Building Materials

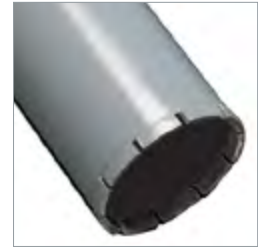
Reinforced concrete, hard bricks, limestone, terrazzo, and other hard materials.



WET

NORTON CLASSIC

Economical choice for use in harder concrete with heavy reinforcement and masonry materials with good performance.



UPC	PART #	SIZE IN INCHES	SIZE IN MM	MAX RPM	SEGMENT HEIGHT
701846 84447	5	1"	25mm	4,000	.254"
701846 84448	2	1-1/2"	38mm	3,000	.254"
701846 82762	1	2"	51mm	2,000	.254"
701846 82763	8	2-1/4"	57mm	2,000	.254"
701846 82764	5	2-1/2"	64mm	1,300	.254"
701846 82765	2	3"	76mm	1,300	.254"
701846 82766	9	3-1/2"	89mm	1,300	.254"
701846 82767	6	4"	102mm	1,000	.254"
701846 82768	3	4-1/4"	108mm	1,000	.254"
701846 82769	0	4-1/2"	114mm	800	.254"
701846 82770	6	5"	127mm	800	.254"
701846 82771	3	6"	152mm	665	.254"
701846 82772	0	7"	178mm	600	.254"
701846 82773	7	8"	203mm	500	.254"
701846 82774	4	10"	254mm	400	.254"
701846 82775	1	12"	305mm	330	.254"
701846 82776	8	14"	356mm	285	.254"

WET - PRESTRESSED CONCRETE

CHARGER

Fast drilling segments spaced to prevent segment loss when penetrating tensioned steel cable.

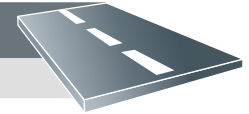


UPC	PART #	SIZE IN INCHES	SIZE IN MM	MAX RPM	SEGMENT HEIGHT
701846 83983	9	1"	25mm	4,000	.315"
701846 83984	6	1-1/4"	32mm	3,000	.315"
701846 83985	3	1-1/2"	38mm	3,000	.315"
701846 83986	0	1-3/4"	44mm	2,000	.315"
701846 83987	7	2"	51mm	2,000	.315"
701846 83988	4	2-1/4"	57mm	1,300	.315"
701846 83989	1	2-1/2"	64mm	1,300	.315"
701846 83990	7	3"	76mm	1,300	.315"
701846 83991	4	3-1/2"	89mm	1,000	.315"
701846 83992	1	4"	102mm	1,000	.315"
701846 83993	8	4-1/4"	108mm	800	.315"
701846 83994	5	4-1/2"	114mm	800	.315"
701846 83995	2	5"	127mm	800	.315"
701846 83996	9	6"	152mm	665	.315"
701846 83997	6	7"	178mm	600	.315"
701846 83998	3	8"	203mm	500	.315"
701846 83999	0	10"	254mm	400	.315"
701846 84000	2	12"	305mm	330	.315"
701846 84001	9	14"	356mm	285	.315"



Asphalt and Abrasive Materials

Asphalt, green concrete, asphalt over concrete, abrasive blocks, mortar and other abrasive materials.



WET 

CHARGER    

Long life bit segments for drilling abrasive materials. Excellent drilling speed and life in asphalt and other abrasive materials

UPC	PART #	SIZE IN INCHES	SIZE IN MM	MAX RPM	SEGMENT HEIGHT
701846 84149	8 CGABIT0200	2"	51mm	2,000	.315"
701846 84150	4 CGABIT0300	3"	76mm	1,300	.315"
701846 84151	1 CGABIT0400	4"	102mm	1,000	.315"
701846 84152	8 CGABIT0500	5"	127mm	800	.315"
701846 84153	5 CGABIT0600	6"	152mm	665	.315"



General Purpose and Masonry Building Materials

Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium-hard materials.



DRY  + 

CHARGER    

Dry drilling core bits for use on portable drilling equipment. Best suited for applications in soft, non-reinforced cured concrete and concrete block.

UPC	PART #	SIZE IN INCHES	SIZE IN MM	MAX RPM	SEGMENT HEIGHT
701846 83300	4 CGDBIT0100	1"	25mm	4,000	.276"
701846 83301	1 CGDBIT0125	1-1/4"	32mm	3,000	.276"
701846 83302	8 CGDBIT0150	1-1/2"	38mm	3,000	.276"
701846 83303	5 CGDBIT0175	1-3/4"	44mm	2,000	.276"
701846 83304	2 CGDBIT0200	2"	51mm	2,000	.276"
701846 83305	9 CGDBIT0250	2-1/2"	64mm	1,300	.276"
701846 83306	6 CGDBIT0300	3"	76mm	1,300	.276"
701846 83307	3 CGDBIT0350	3-1/2"	89mm	1,000	.276"
701846 83308	0 CGDBIT0400	4"	102mm	1,000	.276"
701846 83309	7 CGDBIT0450	4-1/2"	114mm	1,000	.276"
701846 83310	3 CGDBIT0500	5"	127mm	800	.276"
701846 83311	0 CGDBIT0600	6"	152mm	665	.276"

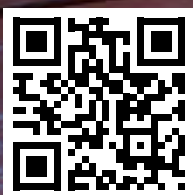


NOTE:

- BITS FROM 1" TO 1-1/2" DIAMETER HAVE 5/8" – 11 THREADS ADAPTERS.
- BITS 1-3/4" DIAMETER AND LARGER HAVE 1-1/4" – 7 THREADS ADAPTERS.
- ALL BITS STANDARD BITS ARE 16" LONG TO PRODUCE A 13" CORE.
- ALL DRY BITS COME WITH 5/8-11" THREAD ADAPTERS.

o'tip core bit RE-TIPPING

It is easy, efficient and cost effective. The revolutionary process of the O'Tip is the next evolution to re-tipping core bits. No more sending core tubes to an outside vendor. Now you can do it yourself and save on shipping costs and potential return delays. And, reduced tube inventory translates to less space needed to transport bits to the job site, as well as individual bit stock. The O'Tip provides excellent segment positioning, strength and performance for cost savings never achieved previously.



Adjustable Ring
Allows fitting of tube variances.



Solder Capillaries
Improves attachments.



Full Kit
Simple and convenient for efficient workflow.



O'Tipping is easy and can be performed right on the job site saving time, money and labor. With this innovative product, there are less tubes needed in inventory. Tubes are not cut when O'Tipping, extending the life of the tube. Cost savings are found in many areas from; less bit inventory, time in sending out tubes to be re-tipped, and inconsistent segment tipping. You control the quality and ensure better performance for ongoing productivity and best results.



Step One

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



Step Two

Clean the tube with an angle grinder, apply brazing flux.



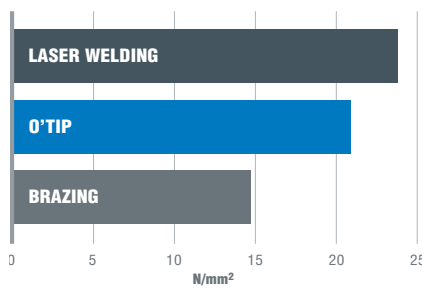
NOTE: Always follow safe operating procedures

Step Three

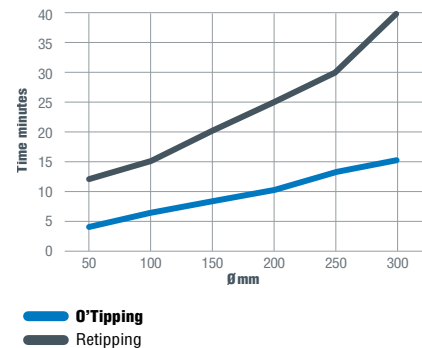
Dismount the tube and place it vertically on the new O'Tip. Apply heat to the steel ring, over a 3" section surrounding the capillary holes. Place the brazing rod through the capillary holes, silver solder will spread by capillary effect. Start with the cut section of the steel ring, and repeat for each hole.



Segment torque resistance to breakage in N/mm²



Time saving between re-tipping and O'Tipping



O'TIP		
UPC	DESCRIPTION	QTY
701846 43157 6	O'Tip 2 inch	1
701846 43158 3	O'Tip 3 inch	1
701846 43159 0	O'Tip 4 inch	1
701846 43160 6	O'Tip 5 inch	1
701846 43161 3	O'Tip 6 inch	1

O'TIP KIT		
UPC	DESCRIPTION	QTY
701846 43162 0	O'Tip 2 inch	3
701846 43163 7	O'Tip 3 inch	3
701846 43164 4	O'Tip 4 inch	3
701846 43165 1	O'Tip 5 inch	3
701846 43166 8	O'Tip 6 inch	3

PRODUCT FEATURES



Vacuum Pump
Superior stabilization.



Wheel Attachment
Ease of transporting around job site.



Ceiling Jack
Extending ceiling jack for indoor drilling.



DR520



DR620C

The Norton Clipper DR series of core drills offer a versatile drill rig with exceptional utility to meet the tough demands of today's rental and contractor industry. The basic design of the carriage and pinion assembly provides a simple trouble-free system to extend service life in the rental fleet. The DR620 drill rig stand offers the additional utility of a pivoting column for drilling vertically on a sloping surface.

TECHNICAL SPECIFICATIONS	DR520	DR620	DR620C
Product Number	701846 00924 9	701846 00925 6	701846 00926 3
Gears	2	2	2
Motor Type	Milwaukee	Milwaukee	Cardi
Motor Specification	4096	4096	D3-250-EL
Voltage	115 volts	115 volts	115 volts
Cycle*/Current/Phase	60 Hz/AC/1	60 Hz/AC/1	60 Hz/AC/1
Amperage	20 Amp	20 Amp	25 Amp
RPM	450/900	450/900	450/900
Spindle Thread Size	1-1/4"-7 UNC	1-1/4"-7 UNC	1-1/4"-7 UNC
Base – Combo – in. (mm) LxW	18-7/8" x 13-3/4" (450x350)	18-7/8" x 13-3/4" (450x350)	18-7/8" x 13-3/4" (450x350)
Column Length – in. (mm)	42" (1,067)	40" (1,016)	40" (1,016)
Slide Carriage	One Piece Aluminum Carriage, Rack and Pinion, Carriage Lock, and Quick Detach Motor Mount Dove Tail		
Wheel Base (outside to outside) in. (mm)	15-1/2" (394)	15-1/2" (394)	15-1/2" (394)
Wheels (D x W x B) in. (mm)	6"x1-3/8"x3/4" (152x35x19)	6"x1-3/8"x3/4" (152x35x19)	6"x1-3/8"x3/4" (152x35x19)
Vacuum Pump	YES	YES	YES
Control Panel	YES	YES	YES
Weight Crated – lbs (kg)	140 (63.5)	140 (63.5)	135 (61.2)
Weight Uncrated – lbs (kg)	125 (56.7)	125 (56.7)	120 (54.4)
Recommended Bit Sizes			
Low in. (mm)	6" to 10" (152 to 254)	6" to 10" (152 to 254)	6" to 10" (152 to 305)
High in. (mm)	2" to 6" (50 to 152)	2" to 6" (50 to 152)	2" to 6" (50 to 152)
Drill Rig Stands			
DS5/DS6 Drill Rig Stand – Standard Base	701846 00922 5		
DS5/DS6 Drill Rig Stand – Pivoting Base	701846 00923 2		
DM5/DM6 Drill Motors			
15 amp Milwaukee	701846 57976 6		
20 amp Milwaukee	701846 57985 8		
20 amp Cardi	701846 22228 0		
Accessories			
Spacer Block	701846 00927 0		
4 Gallon Water Pressure Tank	701846 75539 9		
Water Collector Ring	701846 58498 2		
Core Bit Quick Release Attachment	701846 00938 6		
Vacuum Pump for CD100	701846 79912 6		

*= DATA PROVIDED BY ENGINE MANUFACTURER



CORE BITS

Minimum and Maximum Recommended Operating Speeds

BIT DIAMETER	MIN. (RPM)	IDEAL SPEED (RPM)	MAX. (RPM)
1"	2,400	3,200	4,000
2"	1,200	1,600	2,000
3"	800	1,050	1,300
4"	600	800	1,000
5"	475	640	800
6"	400	530	665
7"	340	450	600
8"	300	400	500
10"	240	320	400
12"	200	265	330
14"	170	225	285
16"	150	200	250
18"	130	175	220
20"	120	160	200
24"	100	130	165
26"	90	125	150
30"	80	105	130
32"	75	100	125
34"	70	95	120
36"	65	85	110
40"	60	80	100
42"	55	75	95



Smart Electronics Protection

No over-heating of electrical components.



Water Attachment and Accessories

1-1/4-7 Male with 5/8-11 adapter and quick attach water accessories for wet drilling.



Rugged Carrying Case

Protects unit and accessories from damage.



A light-weight and user-friendly core drill. With its "Smart Electronics" motor protection from Cardi means no overheating of electrical parts. The powerful 15 amp motor drives core bits up to 4" with ease. The HHDET1800 hand-held core drill has a single-speed gear box and mechanical safety clutch. Packaged in a rugged carrying case to protect the drill during transport.



Recommended Core Bit

Charger
See page 99

TECHNICAL SPECIFICATIONS

	HHDET1800
Product Number	701846 84243 3
Gears	1
Motor Type	Electric
Voltage	115 volts
Cycle*/Current/Phase	60Hz/AC/1
Amperage*	15 Amps
RPM (No Load)	940
Smart Electronics	YES
Weight Crated – lbs. (kg)	18 (8.1)
Weight Uncrated – lbs. (kg)	12 (5.4)

Recommended Bit Sizes

Low – in. (mm)	2" to 4" (50 to 102)
High – in. (mm)	n/a

Accessories

Portable Stand CD100	003100 07829 0
Vacuum Pump for CD100	701846 79912 6
Core Bit Quick Release Attachment	701846 00938 6

*= DATA PROVIDED BY MOTOR MANUFACTURER



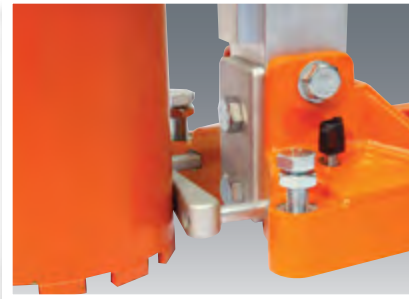
Single-Speed, 15 Amp

Smart Electronics allow bits to spin with ease.



Sturdy All-Metal Carriage

Equipped with a side level and hand-held rig adaptor ensures smooth operation.



Wide Base Platform

A bit guide allows straighter drilling.



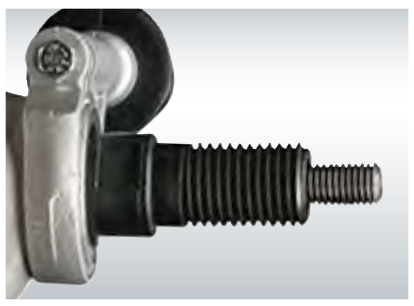
Recommended Core Bit

Charger
See page 98

This rig package provides the rental market with a strong, stable-performing hand-held core drill and sturdy rig stand. The single-speed drill features "Smart Electronics" motor protection and safety clutch for safe operation, which means no overheating of electrical parts. Geared at 940 RPMs, there is plenty of power to easily spin a 4" bit by hand and a 6" with the stand. When you need a core drill that can cover the basics but also maximize your return on investment, the HDR600C is a great solution.

TECHNICAL SPECIFICATIONS	HDR600C
Product Number	701846 44020 2
Gears	1
Motor Type	Electric
Voltage	115 volts
Cycle*/Current/Phase	60Hz/AC/1
Amperage*	15 Amps
RPM (No Load)	940
Smart Electronics	YES
Weight Crated – lbs. (kg)	18 (8.1)
Weight Uncrated – lbs. (kg)	12 (5.4)
Recommended Bit Sizes	
Low – in. (mm)	2" to 4" (50 to 102)
High – in. (mm)	n/a
Accessories	
Core Bit Quick Release Attachment	701846 00938 6

*= DATA PROVIDED BY MOTOR MANUFACTURER



1-1/4" – 7 Spindle with 5/8-11 Threaded Adaptor

Allows additional bit types to be used.



Heavy-Duty Carrying Case

Light-weight, high-impact plastic that protects drill during transportation.



Optional Stand

Provides additional drilling flexibility with its sturdy column and carriage for smooth drilling.



Weighing only 13 pounds, the HHDETOL is a Norton Clipper hand-held core drill with a 15 amp motor. The "Smart Electronic" system protects it from system overload. This unit comes with a durable plastic carrying case, safety clutch, 5/8-11 threaded adaptor and 1-1/4-7 threaded spindle. Ideal for electricians, plumbers and the professional contractor.



Recommended Core Bit

Charger
See page 97

TECHNICAL SPECIFICATIONS	HHDETOL
Product Number	701846 00917 1
Gears	2
Motor Type	Electric
Voltage	115 volts
Cycle*/Current/Phase	60Hz/AC/1
Amperage*	15 Amps
RPM (No Load)	1,180/2,150
Smart Electronics	YES
Weight Crated – lbs. (kg)	19 (8.6)
Weight Uncrated – lbs. (kg)	13 (5.9)
Recommended Bit Sizes	
Low – in. (mm)	2" to 4" (50 to 102)
High – in. (mm)	1/2" to 2" (12 to 50)
Accessories	
Portable Stand CD100	003100 07829 0
Vacuum Pump for CD100	701846 79912 6
Core Bit Quick Release Attachment	701846 00938 6

*= DATA PROVIDED BY MOTOR MANUFACTURER



Water Attachment and Accessories
1-1/4-7 Male with 5/8-11 adapter and quick attach water accessories for wet drilling.



Storage Space Saver
Provides room for side handle, manual, and extra tools in a compact and convenient case.



Heavy-Duty Carrying Case
Light-weight, high-impact plastic protects drill during transportation.



The HHD3TOL hand-held core drill is perfect for professional or heavy rental user, providing all the power needed for most any drilling job. Having speeds from 770 to 2,580 rpm allows the use of 1" up to 6" diamond core bits. The Cardi "Smart Electronics" adds protection by not overheating electrical parts. With the comfortable rear handle, and three-speed variability, operator comfort is improved, and productivity enhanced.

TECHNICAL SPECIFICATIONS	HHD3TOL
Product Number	701846 21725 5
Gears	3
Motor Type	Electric
Voltage	115 volts
Cycle*/Current/Phase	60Hz/AC/1
Amperage*	15 (18) Amps
RPM	770/1,860/2,580
Smart Electronics	YES
Weight Crated	27 (12.2)
Weight Uncrated	17 (7.3)

Recommended Bit Sizes	
Low – in. (mm) 2" to 4" (50 to 102)	4" to 6" (100 to 150)
Medium - in. (mm)	2" to 3" (50 to 75)
High – in. (mm) 1/2" to 2" (12 to 50)	1" to 2" (25 to 50)

Accessories	
Portable Stand CD100	003100 07829 0
Centering Aid for CARDI	701846 23517 4
Vacuum Pump for CD100	701846 79912 6
Core Bit Quick Release Attachment	701846 00938 6

*= DATA PROVIDED BY MOTOR MANUFACTURER



Recommended Core Bit
Norton X3
See page 97



ACCESSORIES FOR CORE DRILLING

UPC	PART #	DESCRIPTION
701846 69858 0	Y1017	Nylon Washer



UPC	PART #	DESCRIPTION	SIZE
701846 65995 6	402760	Extension	6" x 1-1/4" 7 Thread



UPC	PART #	DESCRIPTION	SIZE
701846 48793 1	402758	Extension	6" x 5/8" 11 Thread



UPC	PART #	DESCRIPTION	SIZE
701846 48791 7	402756	Extension	12" x 1-1/4" 7 Thread



UPC	PART #	DESCRIPTION	SIZE
701846 48792 4	402757	Extension	12" x 5/8" 11 Thread



UPC	PART #	DESCRIPTION	SIZE
701846 49430 4	400148	Coupling	1-1/4" – 7(F) – 5/8" – 11(M)



UPC	PART #	DESCRIPTION	SIZE
701846 49797 8	400147	Coupling	5/8" – 11(F) – 1 1/4" – 7(M)



UPC	PART #	DESCRIPTION	SIZE
701846 83078 2	4913	Drill Chuck Adapter	5/8" 11 thread to straight 1/2" shank



NOTE:

- BITS FROM 1" TO 1-1/2" DIAMETER HAVE 5/8"– 11 THREADS ADAPTERS.
- BITS 1-3/4" DIAMETER AND LARGER HAVE 1-1/4" – 7 THREADS ADAPTERS.
- ALL BITS STANDARD BITS ARE 16" LONG TO PRODUCE A 13" CORE.
- ALL DRY BITS COME WITH 5/8"-11" THREAD ADAPTERS.



ACCESSORIES FOR CORE DRILLING (CONTINUED)

UPC
003100 **07829** 0

DESCRIPTION
Portable Stand CD100



UPC
701846 **23517** 4

DESCRIPTION
Centering Aid for Cardi



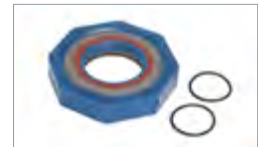
UPC
701846 **79912** 6

DESCRIPTION
Vacuum Pump for CD100



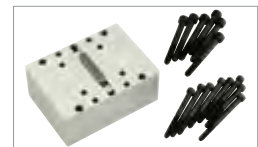
UPC
701846 **00938** 6

DESCRIPTION
Core Bit Quick Release Attachment



UPC
701846 **00927** 0

DESCRIPTION
Spacer Block



UPC
701846 **58498** 2

DESCRIPTION
Water Collector Ring



UPC
701846 **00983** 6

DESCRIPTION
Vacuum Base Gasket - DS5/DS6

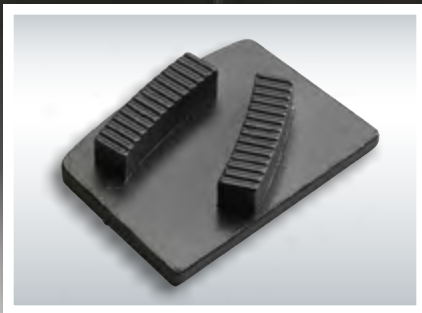






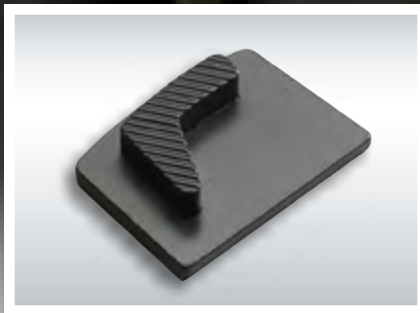
pull up a shine DURING THE DAILY GRIND

Get the finest polished surface possible by starting with the Norton Abrader series of grinding tools. Three configurations improve and optimize machine pressure for the best tool to surface contact. Serrated surfaces quicken entry and a full grit range ensures stock removal control without gouging for a true reflection of your hard work.



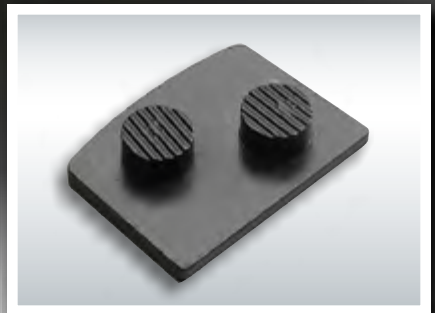
Rectangle Abrader Tool

Designed for very hard aggregate such as flint, granite and chert and/or have a very high PSI rating.



Boomerang Abrader Tool

Ideal for medium hardness floors. Excels in a wide range of surfaces such as granite, quartzite, river gravel and more.



Button Abrader Tool

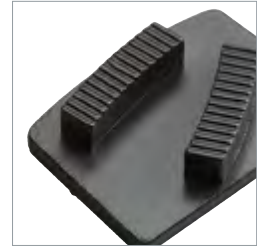
The hardest of segment created to remove stock and level floors quickly.

ABRADER METAL-BONDED DIAMOND TOOLS

RECTANGLE ABRADER TOOL

The rectangle shaped segments are the softest bond and are designed for very hard concrete. The ridged shape of the rectangle improve grinding capabilities and ensure fast stock removal. Suggested for surfaces with a large percentage of chert, flint, gabbro and other hard materials.

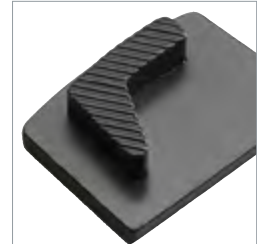
UPC	PART #	GRIT / COLOR	QTY
701846 45492 6	FGW 3-Pack Hardfloor QCS	18/20 Silver	3
701846 43705 9	FGW 3-Pack Hardfloor QCS	30/40 Grey	3
701846 43706 6	FGW 3-Pack Hardfloor QCS	60/80 Brown	3
701846 43707 3	FGW 3-Pack Hardfloor QCS	120/150 Black	3



BOOMERANG ABRADER TOOL

The boomerang shaped segments are designed for medium hardness floors. The shape and specification are considered universal due to its versatility on a wide range of surfaces especially on granite, quartzite and river gravel to name a few. Having a boomerang shape allows the segment to cut quickly while removing swarf away from the segment to ensure a continuous cutting action.

UPC	PART #	GRIT / COLOR	QTY
701846 45494 0	FGW 3-Pack Universal QCS	18/20 Silver	3
701846 43708 8	FGW 3-Pack Universal QCS	30/40 Grey	3
701846 43709 7	FGW 3-Pack Universal QCS	60/80 Brown	3
701846 43710 3	FGW 3-Pack Universal QCS	120/150 Black	3



BUTTON ABRADER TOOL

The hardest of segments, the Abrader button segment is designed to remove stock and level abrasive floors quickly and extends life in very abrasive concrete. A full circular shape provides a smooth entry into the surface. It protects the floor from being gouged unlike other stock removing bits with sharp edges. Thus allowing you to get the work done faster with a minimum of surface removal leaving a smooth level floor to be polished.

UPC	PART #	GRIT / COLOR	QTY
701846 45493 3	FGW 3-Pack Softfloor QCS	18/20 Silver	3
701846 42896 5	FGW 3-Pack Softfloor QCS	30/40 Grey	3
701846 42897 2	FGW 3-Pack Softfloor QCS	60/80 Brown	3
701846 42898 9	FGW 3-Pack Softfloor QCS	120/150 Black	3



GRIT / COLOR	APPLICATION
18/20 Silver	Aggressive diamond tool for heavy stock removal and/or cure and seal coatings.
30/40 Grey	Coating removal of 0.5-10 mm. Generally first stage tool for polishing a rough concrete slab.
60/80 Brown	Initial polishing tool for new concrete. Will prepare surface for acid staining or thin sealants.
120/150 Black	The final grit prior to changing to resin polishing tools or where a smooth open concrete surface is required.

RESIN BONDED DIAMOND TOOLS

6 DOT RESIN BONDED DIAMOND TOOLS

The 6 Dot Resin bonded diamond tools are our standard offering for concrete polishing. Offered in 100 – 1500 grit these tools will provide a superior finish and long life. The 6 Dot are also very good for harder aggregates with the unit pressure of the tools polish even the hardest floors.



UPC	PART #	GRIT / COLOR	QTY
701846 28551 3	28551	100 / Black	9
701846 28552 0	28552	200 / Blue	9
701846 28553 7	28553	400 / Red	9
701846 28554 4	28554	800 / White	9
701846 28555 1	28555	1500 / Yellow	9

GRIT / COLOR	APPLICATION
100 Grit (Black) ●	Initial grit after 120 grit grinding stage. Leaves a matte finish.
200 Grit (Blue) ●	Follows the 100 grit and leaves a closed matte finish.
400 Grit (Red) ●	Follows the 200 grit and will leave a honed/silk finish.
800 Grit (White) ○	Follows the 400 grit and will leave an economical, light reflective finish most popular in large area industrial and commercial applications.
1500 Grit (Yellow) ●	Follows the 800 grit, producing a clear reflective shine, with reduced swirl effect. Ideal for decorative surfaces.

T2 RESIN BONDED POLISHING TOOL

The mixed bond of the T2 range ensures a very fine scratch pattern profile in relation to a standard metal bond segment where the concrete or terrazzo surface is smooth trowelled or has already been leveled with a coarse metal bond tool. The T2 leaves the perfect surface for either closed matte finishing or polishing with the minimum number of stages.



UPC	PART #	GRIT / COLOR	QTY
701846 28548 3	28548	40 / Gray	9
701846 28549 0	28549	80 / Orange	9
701846 28550 6	28550	120 / Black	9

GRIT / COLOR	APPLICATION
40 Grit (Gray) ●	Initial polishing following coarse metal bond tool.
80 Grit (Orange) ●	Initial polishing following 40 grit metal bond tool or first cut on smooth concrete floor.
120 Grit (Black) ●	Initial polishing tool following 80 Grit metal bond tool or first cut on smooth concrete floor.

HIGH PERFORMANCE RESIN BONDED DIAMOND TOOLS

The High Performance Resin bonded tools offer superior gloss and product life. The unique all resin/diamond construction of the High Performance tooling allows you to polish at the highest speeds on the heaviest machines. You can polish faster with gloss results second to none.



UPC	PART #	GRIT / COLOR	QTY
701846 28556 8	28556	100 / Black	9
701846 28557 5	28557	200 / Blue	9
701846 28558 2	28558	400 / Red	9
701846 28559 9	28559	800 / White	9
701846 28560 5	28560	1500 / Yellow	9

GRIT / COLOR	APPLICATION
100 Grit (Black) ●	Initial grit after 120 grit grinding stage. Leaves a matte finish.
200 Grit (Blue) ●	Follows the 100 grit and leaves a closed matte finish.
400 Grit (Red) ●	Follows the 200 grit and will leave a honed/silk finish.
800 Grit (White) ○	Follows the 400 grit and will leave an economical, light reflective finish most popular in large area industrial and commercial applications.
1500 Grit (Yellow) ●	Follows the 800 grit, producing a clear reflective shine, with reduced swirl effect. Ideal for decorative surfaces.

PVC CONVERSION PLATE

The PVC conversion plate is designed to take either the 6 Dot or High Performance resin bonded tooling. With hook material on the back of the conversion plate it can be attached to any machine that uses a hook & loop system for applying resin bonded tools.



UPC	PART #	SIZE	QTY
701846 29013 5	29013	270 x 5mm	1

RESIN BOND INSERTS FOR USE WITH CONVERSION PLATES

UPC	PART #	DESCRIPTION	QTY
701846 30931 8	30931	For 6 Dot Resin & T2 Combination Tools	1
701846 30930 1	30930	For High Performance Resin Tools	1

SURFACE PREP TOOLS

CONVERSION PLATE

The unique metal bonded conversation plate is machined to hold Norton tooling without the use of screws or other mechanical devices. The arbor configuration fits many machine models on the market. The three mounting holes in the plate allow the plate to be mechanically fastened to the bottom of any machine. Other plates available to fit most machines on the market.

UPC	MACHINE	MODEL #'S	PLATE DIAMETER	QTY
701846 28588 9	HTC	2500ix, 1500 ixT, 950RX, 800HDX & 800HD	10-5/8"	9
701846 30932 5	HTC	650HDX, 500	8-5/8"	1
701846 30342 2	SASE	780	9"	1
701846 28588 9	CPS	G-320, G-250 & G-250XT	10-5/8"	1
701846 30933 2	Innovatech	P-3200	10-1/2"	1
701846 30496 2	Prepmaster	STI3030	14"	1



GRINDER HEADS

High quality diamond and bond combination designed for long life and fast cut. Ten segment grinder heads are ideal for fast surface removal, while the 20 segment head produces a smooth, fine surface.

UPC	PART #	DESCRIPTION	# OF SEG	QTY
701846 49531 8	30120018	For fast removal	10	1
701846 49529 5	30120026	For smooth finish	20	1



DIAMOND INSERTS

A 30 grit metal bonded diamond insert created to smooth trowel marks, grind concrete imperfections, removal of epoxy coatings or urethane and leveling high spots or sharp aggregates from surface in a wet or dry process. The unique diamond and bond specification increase performance by as much as five (5) times the life span of the standard grinding stones typically used in surface removal applications.

UPC	DESCRIPTION	GRIT	QTY
701846 44956 4	Diamond Insert, Rubber Backer, Plastic Wedges, Case	30	3

* Diamond Inerts (3), Rubber Backer, Plastic Wedges, Case



GRINDING STONES

Used to rub down concrete and remove mold marks. These are designed to fit the chucks of common concrete floor grinding equipment. Reusable wooden wedges anchor the stones to the equipment.

UPC	PART #	SIZE	SPECIFICATION	QTY
614636 53295 0	YAGS2F	2" x 2" x 4"	Fine (80 Grit)	1
614636 53294 3	YAGS2M	2" x 2" x 4"	Medium (24 Grit)	1
614636 53293 6	YAGS2C	2" x 2" x 4"	Coarse (10 Grit)	1
614636 53292 9	YAGS2X	2" x 2" x 4"	Super Coarse (6 Grit)	1

Wood wedges are included with Grinding Stones



WOOD WEDGES

UPC	PART #	SIZE	SPECIFICATION	QTY
614636 85297 3	YDDWEDGE	N/A	N/A	6



RUBBING BRICKS

Hard silicon carbide rubbing bricks and grinding stones are used for heavy-duty applications such as rubbing floors, cleaning and scouring castings, rubbing down concrete, and removing mold marks.

UPC	PART #	SIZE	SPECIFICATION	QTY
614636 87840 9	RB87840N	6" x 2" x 2"	No Handle	5
614636 87800 3	RBH87800N	6" x 3" x 1"	With Handle	5
614636 87845 4	RB87845N	8" x 2" x 2"	No Handle	5
614636 87795 2	RBH87795N	8" x 3-1/2" x 1-1/2"	With Handle	5

Wood wedges are included with Grinding Stones



FLOOR MAINTENANCE COATINGS

Norton has partnered with Convergent Concrete Technologies to enhance our Natural Stone Care product line by introducing a line of co-branded floor coatings. They conform to "Green Leaf/LEED Qualifying." They are environmentally-friendly and require no special or hazardous disposal methods.

IMPREGNATOR (HD)

Hardener/Densifier for use in the grinding and polishing process (metal/resin bonded abrasives) of concrete and terrazzo surfaces. Ideal for repolishing and restoring worn and damaged surfaces.

UPC	PART #	DESCRIPTION	QTY
701846 30564 8	30564	1 Gallon	1
701846 30565 5	30565	5 Gallon	1



PROTECTOR (NON-POROUS)

Advanced, high gloss, stain and wear protection finish for non-porous, highly polished surfaces (1500 grit profiles and above). Great for protecting newly polished concrete, factory-finished stone and terrazzo floors.

UPC	PART #	DESCRIPTION	QTY
701846 30570 9	30570	1 Gallon	1
701846 30571 6	30571	5 Gallon	1



RESTORER (POLISH)

High gloss protective stain treatment that delivers a rapid shine development with increased abrasion and stain protection. Restores the "wet look" to polished or finished concrete floors.

UPC	PART #	DESCRIPTION	QTY
701846 30574 7	30574	1 Gallon	1
701846 30575 4	30575	5 Gallon	1



*Coatings may be purchased in 55 gallon drums and 275 gallon totes upon request.

FLOOR POLISHING

5" HOOK & LOOP RESIN BONDED EDGING PAD

The 5" hook & loop resin bonded edging pad is used to polish the perimeter of the work space along with hard-to-reach areas. Using the same durable bonding system as our resin tools, the edging pad offers long life and superior finish. Our grit range is from 60 to 3,000. The pad fits all 5" Velcro backup pads for most 5" right angle grinders.

UPC	PART #	GRIT	QTY
701846 28561 2	28561	60	1
701846 28562 9	28562	100	1
701846 28563 6	28563	200	1
701846 28564 3	28564	400	1
701846 28565 0	28565	800	1
701846 28566 7	28566	1500	1
701846 28567 4	28567	3000	1



4" HOOK AND LOOP RESIN BONDED EDGING DISCS

Hook and loop back, high performance, small diameter resin bonded edging discs are ideal for counter top polishing, stairwell steps and other areas where there may be space restrictions that need polishing. Our bond and diamond specification ensure the very minimum of removal leaving a smooth flawless surface.

UPC	COLOR	GRIT	QTY
701846 45013 3	Blue	50	10
701846 45014 0	Yellow	100	10
701846 45015 7	Orange	200	10
701846 45016 4	Red	400	10
701846 45017 1	Green	800	10
701846 45018 8	Teal/Lt. Blue	1500	10
701846 45019 5	Tan	3000	10
701846 45020 1	White	Buff	10
701846 45021 8	Black	Buff	10
701846 45022 5		Kit*	1



*KIT INCLUDES: ONE EACH OF THE RESIN DISCS, WHITE BUFF PAD AND BLACK BUFF PAD

FLOOR POLISHING (CONTINUED)

COARSE FLOOR POLISHING PADS

The coarse diamond maintenance pad is perfect for cleaning and resurfacing concrete or natural stone floors. It works very well for floors that are very dirty with light surface scratches. The coarse grit pad should be followed by the medium pad as you re-surface the floor.

UPC	QTY
701846 43513 0	2
701846 43517 8	2
701846 41575 0	2
701846 41579 8	2
701846 44146 9	2



MEDIUM FLOOR POLISHING PADS

The medium grit pad is the second step to re-surfacing a natural stone or concrete floor following the coarse pad. It can also be the starting pad if the floor is slightly dirty with faint surface scratches.

UPC	QTY
701846 43514 7	2
701846 43518 5	2
701846 41576 7	2
701846 41580 4	2
701846 44147 6	2



FINE FLOOR POLISHING PADS

The fine grit pad is the third step in the re-surfacing of a natural stone or concrete floor following the Medium grit. Can also be used a maintenance pad on most surfaces to keep the shine of the floor on a regular basis.

UPC	QTY
701846 43515 4	2
701846 43519 2	2
701846 41577 4	2
701846 41581 1	2
701846 41583 5	2



VERY FINE FLOOR POLISHING PADS

The very fine grit pad is the final step in the re-surfacing of a natural stone or concrete floor following the Fine grit pad. It is also the recommended pad for on-going maintenance of the floor to keep the shine level of the floor on a regular basis.

UPC	QTY
701846 43516 1	2
701846 43520 8	2
701846 41578 1	2
701846 41582 8	2
701846 41584 2	2



ASSORTED FLOOR POLISHING PADS

Perfect for applications where only a few pads are needed to get the job done. Available in the two most popular sizes, the assorted packs contain one each of the grit types; coarse, medium, fine and very fine.

UPC	QTY
701846 41589 7	4
701846 41590 3	4



FLOOR SANDING BELTS

Choose our 100% Norton Durite silicon carbide abrasive with tough X-weight cotton backing for quality cut and low initial cost. Or, try the Norton Blue Fire for improved cut rate, extended life and less loading than conventional sanding belts - utilizing the Norton patented zirconia alumina grain technology for the very best finish.

NORTON BLUEFIRE (R831 CLOTH)

UPC	GRIT	MIN PKG	CASE
7-7/8" x 29-1/2" (LAGLER-HUMMEL, PROSAND, GALAXY 2000)			
666233 19968 5	120	10	10
666233 19969 2	100	10	10
666233 19970 8	80	10	10
666233 19971 5	60	10	10
666233 19972 2	50	10	10
666233 19973 9	40	10	10
666233 19975 3	36	10	10
666233 19974 6	24	10	10



NORTON DURITE (R422 CLOTH)

UPC	GRIT	MIN PKG	CASE
7-7/8" x 29-1/2" (LAGLER-HUMMEL, PROSAND, GALAXY 2000)			
780727 20780 6	120	10	10
780727 16000 2	100	10	10
780727 16001 9	80	10	10
780727 16002 6	60	10	10
780727 16003 3	50	10	10
780727 16004 0	40	10	10
780727 16005 7	36	10	10
780727 16006 4	24	10	10
780727 69536 8	16	10	10
8" x 19" (CLARKE EZ-8)			
780727 10307 8	120	10	10
076607 00726 1	100	10	10
076607 00727 8	80	10	10
076607 00728 5	60	10	10
780727 10308 4	50	10	10
780727 43002 0	40	10	10
076607 00729 2	36	10	10
076607 00730 0	24	10	10
780727 72102 9 FT	16	10	10



FT = FASTTRACK ITEM

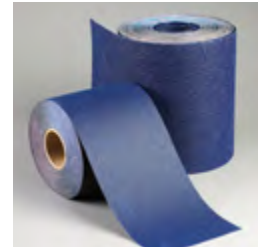


FLOOR SANDING ROLLS

For those who like to cut their own sizes/shapes, we offer two options. The Norton Blue Fire with its patented zirconia alumina grain improves cut rate, extends life and provides less loading than conventional sanding belts. Or, the industry standard Norton Durite silicon carbide abrasive paper for quality cut and low initial cost.

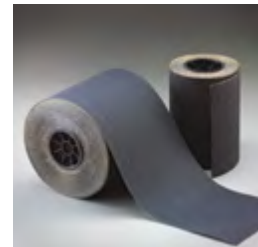
NORTON BLUEFIRE (H PAPER)

UPC	GRIT	MIN PKG	CASE
8" x 50 YD			
666233 74264 5	120	1	1
666233 74268 3	100	1	1
666233 74269 0	80	1	1
666233 74271 3	60	1	1
666233 74272 0	50	1	1
666233 74273 7	40	1	1
666233 74274 4	36	1	1
666233 74270 6	24	1	1



NORTON DURITE (H425, H422, S413 PAPER)

UPC	GRIT	MIN PKG	CASE
8" x 7-1/2" YD (270")			
662611 23412 2 NS	120	3	3
662611 47150 3	100	3	3
662611 15629 5	80	3	3
662611 15600 4	60	3	3
662611 15628 8	50	3	3
662611 15627 1	40	3	3
662611 12748 6	36	3	3
662611 02431 0	30	3	3
662611 13270 1	20	3	3
8" x 50 YD			
662611 23444 3	100	1	1
662611 23446 7	80	1	1
662611 23445 0	60	1	1
662611 23785 7	40	1	1
662611 23786 4 NS	36	1	1
662610 38958 8	24	1	1
662611 23789 5 NS	20	1	1
662611 23788 8 NS	16	1	1



NS = NON-STOCK

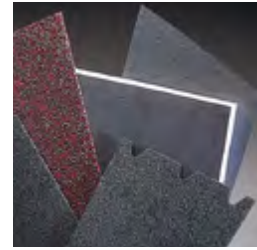


FLOOR SANDING SHEETS / COVERS

A wide array of choices from high productivity to low cost, floor sanding silicon carbide sheets and covers are pre-cut to meet manufacturers drum sander specs. Ideal for all phases of a small job.

PAPER DRUM COVERS			
UPC	GRIT	MIN PKG	CASE
4-1/2" x 16-3/8" (FLORBOSS)			
662611 31739 9	100	10	50
662611 31740 5	80	10	50
662611 31741 2	60	10	50
662611 31742 9 NS	40	10	50
662611 31743 6	36	10	50
662611 23811 3	20	10	50
662611 31745 0 NS	16	10	50
699573 48816 4	12	10	50
8" x 17-1/2" (SILVERLINE SLV8)			
662611 96420 3	100	10	50
662611 96442 5	80	10	50
662611 96421 0	60	10	50
662611 96422 7	50	10	50
662611 96424 1	40	10	50
662611 96425 8	36	10	50
662611 96426 5	24	10	50
8" x 19-1/2" (CLARKE 8" MODEL DU-8, DU8R & D48R)			
662611 46738 4	100	10	50
662611 46739 1	80	10	50
662611 46740 7	60	10	50
662611 46742 1	40	10	50
662611 46743 8	36	10	50
662611 46745 2	20	10	50
662611 46746 9	16	10	50
662611 00255 4 NS	12	10	50
8" x 20" (AMERICAN)			
699573 47988 9 NS	100	10	50
699573 47989 6 NS	80	10	50
699573 47990 2 NS	60	10	50
699573 47991 9 NS	40	10	50
699573 47992 6 NS	36	10	50
699573 47997 1 NS	20	10	50
699573 47999 5 NS	16	10	50
8" x 20-3/16" (SILVERLINE SL 8)			
662611 42093 8 NS	120	10	100
662611 46762 9	100	10	50
662611 46763 6	80	10	50
662611 46765 0	60	10	50
662611 46766 7	40	10	50
662611 46767 4	36	10	50
662611 46770 4	20	10	50
662611 46771 1 NS	16	10	50
8" x 20-1/4" (CLARKE EC-8 NO NOTCHES)			
662611 31754 2	100	10	50
662611 31755 9	80	10	50
662611 31756 6	60	10	50
662611 10408 1	50	10	50
662611 31757 3	40	10	50
662611 31758 0	36	10	50
662611 31759 7 NS	20	10	50
662611 31760 3 NS	16	10	50

NS = NON-STOCK



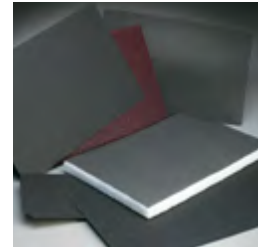
ORBITAL SHEETS

100% silicon carbide abrasive coated with abrasive on both sides for twice the life, quick switch, no PSA contamination, increased tear resistance. Strong E & F weight paper for increased durability.

DOUBLE-SIDED PAPER

UPC	GRIT	MIN PKG	CASE
12" x 18" (SQUARE-BUFF, CLARKE, DEVA, SILVERLINE)			
662611 43140 8	120	10	10
662611 43141 5	100	10	10
662611 43142 2	80	10	10
662611 43143 9	60	10	10
662611 43144 6 NS	40	10	10
662611 43145 3	36	10	10
662611 49158 7	20	10	10
12" x 24" (SQUARE-BUFF, CLARKE, DEVA, SILVERLINE)			
662611 43146 0	120	10	10
662611 43147 7 NS	100	10	10
662611 43148 4 NS	80	10	10
662611 43149 1 NS	60	10	10
662611 43150 7 NS	40	10	10
662611 43151 4 NS	36	10	10
662611 49159 4 NS	20	10	10

NS = NON-STOCK



SCREEN-BAK

Screen discs are inter-woven polyester open mesh with abrasive grain on both sides for maximum life and use. Rinse and reuse. Screens tend to abrade more aggressively than paper or cloth. Always use with a non-woven back-up pad. The orbital machines rests on top of the non-woven pad which acts as the driver for the abrasive screen, cutting softer to leave less of a scratch pattern. Choose white (non-abrasive) or red for a general purpose driver pad. Choose maroon for between coats abrasion with pad only.

UPC	GRIT	MIN PKG	CASE
12" x 18" SCREENS (SQUARE-BUFF, CLARKE, DEVA, SILVERLINE)			
662611 22411 6	180	10	10
076607 02490 9	150	10	10
076607 01393 4	120	10	10
076607 02489 3	100	10	10
662611 22415 4	80	10	10
12" x 24" SCREENS (FLOOR KING M101-24)			
662611 35719 7 NS	180	10	10
662611 35720 3 NS	150	10	10
662611 35721 0 NS	120	10	10
662611 35722 7 NS	100	10	10
662611 35723 4 NS	80	10	10

12" x 18" x 1/4" BACK-UP PADS

662610 51664 9	Tan		10
662610 51665 6	White		10
662610 06179 8 NS	Green		10

12" x 18" x 1" BACK-UP PADS – UPC CODED (SQUARE-BUFF, CLARKE, DEVA, SILVERLINE)

076607 01392 7	White, Super 54		5
662610 09217 4	Maroon Very Fine		10
076607 03846 3	Thick Red		5

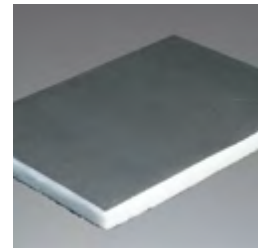
12" x 24" x 1" BACK-UP PADS (FLOOR KING M101-24)

662610 51676 7	White, Super 54		5
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12" x 24" x 1/4" BACK-UP PADS

662610 51669 4	White		10
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NS = NON-STOCK



LARGE DIAMETER DISCS

Large diameter discs are great for removing material such as glue, carpet backing and other heavy residues on wood floors. Also used to hard plate, final blending of the floor and between coats sanding. Paper discs come in heavy E, F and combination paper backings for quality cut and strength.

PAPER (DURITE H422 / S456 PAPER)			
UPC	GRIT	MIN PKG	CASE
15" x 2"			
662611 24678 1 NS	100	10	10
662611 24686 6	80	10	10
662611 35872 9 NS	60	10	10
662611 24680 4	36	10	10
662611 24636 1	20	10	10
662611 24671 2	16	10	10
662611 35874 3	12	10	10
16" x 2"			
662611 24644 6	100	10	10
662611 24665 1	80	10	10
662611 24659 0	60	10	10
662611 39520 5 NS	40	10	10
662611 24650 7	36	10	10
662611 24637 8	20	10	10
662611 24672 9	16	10	10
662611 28561 2	12	10	10
17" x 2"			
662611 24679 8	100	10	10
662611 24687 3	80	10	10
662611 24684 2	60	10	10
662611 24682 8 NS	40	10	10
662611 24651 4	36	10	10
662611 24638 5	20	10	10
662611 24673 6 NS	16	10	10
662611 36231 3	12	10	10
19" x 2"			
699573 48005 2 NS	100	10	10
699573 48006 9 NS	80	10	10
699573 48007 6 NS	60	10	10
699573 48008 3 NS	40	10	10
699573 48010 6 NS	36	10	10
699573 48012 0 NS	20	10	10
699573 48014 4 NS	16	10	10
20" x 2"			
662611 35735 7	100	10	10
662611 35736 4 NS	80	10	10
662611 35737 1	60	10	10
662611 39519 9 NS	40	10	10
662611 35738 8	36	10	10
662611 35739 5	20	10	10
662611 35740 1	16	10	10
662611 35741 8	12	10	10

NS = NON-STOCK



LARGE DIAMETER DISCS (CONTINUED)

Double-sided discs are coated on both sides for twice the life and not PSA contamination, quicker change, and increased resistance to tearing.

PAPER – DOUBLE-SIDED (DURITE H425 / S413)			
UPC	GRIT	MIN PKG	CASE
16" BLANK DISC			
662611 43128 6	120	10	10
662611 43129 3	100	10	10
662611 43130 9	80	10	10
662611 43131 6	60	10	10
662611 43132 3	40	10	10
662611 43133 0	36	10	10
662611 49150 1	20	10	10
17" BLANK DISC			
662611 49152 5	100	10	10
662611 49153 2	80	10	10
662611 49154 9	60	10	10
662611 49155 6	36	10	10
662611 49151 8 NS	20	10	10
20" BLANK DISC			
662611 49156 3 NS	100	10	10
662611 49157 0	80	10	10
662611 49059 7	60	10	10
662611 49058 0 NS	36	10	10
662611 49057 3 NS	20	10	10

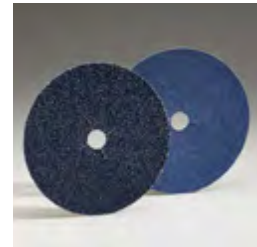
NS = NON-STOCK



EDGER DISCS

For use on hand held edger machines to sand areas where the drum/belt sander does not reach. The Norton BlueFire has a patented zirconia alumina grain to provide the smoothest finish with less down time.

NORTON BLUEFIRE (H831 PAPER)			
UPC	GRIT	MIN PKG	CASE
7" x 5/16" (PROSAND, SILVERLINE, RED-DEVIL, AMERICAN SPINNER)			
666233 19904 3	120	25	25
666233 19905 0	100	25	25
666233 19906 7	80	25	25
666233 19907 4	60	25	25
666233 19908 1	50	25	25
666233 19909 8	40	25	25
666233 19910 4	36	25	25
666233 19911 1	24	25	25
7" x 7/8" (CLARKE, HOLD, PORTER CABLE, SKIL, TENNANT)			
666233 19912 8	120	25	25
666233 19913 5	100	25	25
666233 19914 2	80	25	25
666233 19915 9	60	25	25
666233 19916 6	50	25	25
666233 19917 3	40	25	25
666233 19918 0	36	25	25
666233 19919 7	24	25	25



EDGER DISCS (CONTINUED)

For use on hand held edger machine to sand areas where the drum/belt sander does not reach. Durite has a traditional silicon carbide grain allowing smooth finishes with less cost.

NORTON DURITE			
UPC	GRIT	MIN PKG	CASE
5" x 1/4" (CLARKE)			
662611 45845 0	100	100	500
662611 45850 4	80	100	500
662611 45855 9	60	100	500
662611 45860 3	50	100	500
662611 45865 8	40	100	500
662611 45870 2	36	100	500
662611 45875 7	30	100	500
662611 10788 4	24	100	500
662611 45885 6	20	50	250
662611 45890 0	16	50	250
662611 04473 8 NS	12	50	250
7" x 5/16" (PROSAND, SILVERLINE, RED-DEVIL, AMERICAN SPINNER)			
662611 35063 1	120	100	100
662611 35064 8	100	100	100
662611 35065 5	80	100	100
662611 35066 2	60	100	100
662611 35067 9	50	100	100
662611 35068 6	40	50	50
662611 35069 3	36	50	50
662611 35070 9	30	50	50
662611 35071 6	24	50	50
662611 35072 3	20	50	50
662611 35073 0	16	50	50
662611 35074 7	12	25	25
7" x 7/8" (CLARKE, HOLD, PORTER CABLE, SKIL, TENNANT)			
662611 35075 4	120	100	100
662611 35076 1	100	100	100
662611 35077 8	80	100	100
662611 35078 5	60	100	100
662611 35079 2	50	100	100
662611 35080 8	40	50	50
662611 35081 5	36	50	50
662611 35082 2	30	50	50
662611 35083 9	24	50	50
662611 35084 6	20	50	50
662611 35085 3	16	50	50
662611 35086 0	12	25	25

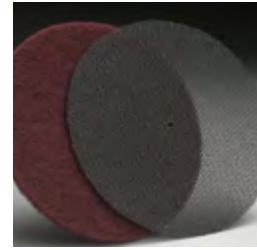
NS = NON-STOCK



EDGER DISCS (CONTINUED)

SCREEN-BAK (Q421 SCREEN)

Screen-Bak is an inter-woven polyester knit backing with abrasive grain on both sides. Reusable, tear resistant and more aggressive than paper or cloth products.



UPC		GRIT	MIN PKG	CASE
7-7/8" x 3/16" (LAGLER TRIO)				
662611 23814	4	180	20	40
662611 31731	3	150	20	40
662611 31732	0	120	20	40
662611 31733	7	100	20	40
662611 31734	4	80	20	40
662611 31730	6	60	20	40
662610 07703	4 NS	Back-up / Conditioning Pad	Maroon – Very Fine	40
7" x 5/16"				
662611 23812	0 NS	180	20	40
662611 23044	5 NS	150	20	40
662611 31817	4	120	20	40
662611 31818	1	100	20	40
662611 31819	8	80	20	40
662611 19583	6 NS	60	20	40
662610 31815	1	Back-up / Conditioning Pad	Maroon – Very Fine	40
7" x 7/8"				
662611 23813	7 NS	180	20	40
662611 23046	9 NS	150	20	40
662611 13130	8	120	20	40
662611 31821	1	100	20	40
662611 31822	8	80	20	40
662611 07073	7 NS	60	20	40
662610 31816	8	Back-up / Conditioning Pad	Maroon – Very Fine	40

NS = NON-STOCK

EDGERS HOOK & LOOP (PAPER)

Specially designed with hook & loop fastening system for ease of attachment. Strong backing for tear resistance.



UPC		GRIT	MIN PKG	CASE
5" x 0 (8 VAC HOLES) – ALUMINUM OXIDE				
662611 30239	5	220	50	200
662611 30240	1	180	50	200
662611 30241	8	150	50	200
662611 30242	5	120	50	200
662611 30243	2	100	50	200
662611 30244	9	80	50	200
662611 30245	6	60	50	200
6" x 0 (U-SAND) – SILICON CARBIDE				
662611 96408	1	100	40	40
662611 96411	1	80	40	40
662611 95622	2	60	40	40
662611 96412	8	50	40	40
662611 96414	2	40	40	40
662611 96416	6	36	40	40
662611 95623	9	24	40	40
076607 03093	1	Back-up / Conditioning Pad	Maroon – Very Fine	1

EDGER DISCS (CONTINUED)

NORTON BLUEFIRE EDGERS HOOK & LOOP (PAPER)				
UPC		GRIT	MIN PKG	CASE
7" x 0 - CLARK, PROSAND, SILVERLINE				
666233 74344 4		120	25	25
666233 74345 1		100	25	25
666233 74346 8		80	25	25
666233 74347 5		60	25	25
666233 74349 9		50	25	25
666233 74350 5		40	25	25
666233 74351 2		36	25	25
666233 74352 9		24	25	25
8" x 0 - LAGLER TRIO				
666233 74361 1		120	25	100
666233 74362 8		100	25	100
666233 74363 5		80	25	100
666233 74364 2		60	25	100
666233 74365 9		50	25	100
666233 74366 6		40	25	100
666233 74367 3		36	25	100
662610 02311 6	Back-up / Conditioning Pad	Maroon – Very Fine	80	80



SCREEN DISCS

The Screen-Bak discs are more aggressive, durable and have longer life than most other screen products in the industry. Manufactured with an inter-locking polyester knit backing, coated with abrasive on both sides and the open mesh for load resistance make recoating projects easy and economical.

SCREEN-BAK (Q421)				
UPC		GRIT	MIN PKG	CASE
13" DIAMETER				
662611 20497 2 NS		150	10	10
662611 20498 9 NS		120	10	10
662611 20499 6		100	10	10
662611 20500 9		80	10	10
662611 20501 0		60	10	10
15" DIAMETER				
662611 21490 2		220	10	10
662611 20508 5		180	10	10
662611 20509 2		150	10	10
662611 20510 8		120	10	10
662611 20511 5		100	10	10
662611 20512 2		80	10	10
662611 20513 9		60	10	10
16" DIAMETER				
662611 23032 2		220	10	10
662611 20514 6		180	10	10
662611 20515 3		150	10	10
662611 20516 0		120	10	10
662611 20517 7		100	10	10
662611 20518 4		80	10	10
662611 20519 1		60	10	10
17" DIAMETER				
662611 31726 9 NS		220	10	10
662611 20520 7		180	10	10
662611 20521 4		150	10	10
662611 20522 1		120	10	10
662611 20523 8		100	10	10
662611 20524 5		80	10	10
662611 20525 2		60	10	10



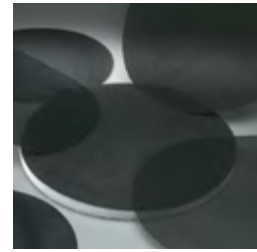
SCREEN DISCS (CONTINUED)

SCREEN-BAK (Q421)			
UPC	GRIT	MIN PKG	CASE
18" DIAMETER			
662611 31727 6	220	10	10
662611 20526 9	180	10	10
662611 20527 6	150	10	10
662611 20528 3	120	10	10
662611 20529 0	100	10	10
662611 20530 6	80	10	10
662611 20531 3	60	10	10
19" DIAMETER			
662611 20532 0 NS	180	10	10
662611 20533 7 NS	150	10	10
662611 20534 4	120	10	10
662611 20535 1	100	10	10
662611 20536 8	80	10	10
662611 20537 5	60	10	10
20" DIAMETER			
662611 20538 2 NS	180	10	10
662611 20539 9	150	10	10
662611 20540 5	120	10	10
662611 20541 2	100	10	10
662611 20542 9	80	10	10
662611 20543 6	60	10	10
21" DIAMETER			
662611 20544 3 NS	180	10	10
662611 20545 0 NS	150	10	10
662611 20546 7 NS	120	10	10
662611 20547 4 NS	100	10	10
662611 20548 1 NS	80	10	10
662611 20549 8 NS	60	10	10

NS = NON-STOCK

SCREEN DISCS (CONTINUED)

SCREEN-BAK (Q425)			
UPC	GRIT	MIN PKG	CASE
15" DIAMETER			
662611 57321 4	120	10	10
662611 57320 7	100	10	10
662611 57319 1	80	10	10
662611 57318 4	60	10	10
16" DIAMETER			
662611 48894 2	220	10	10
662611 48895 6	180	10	10
662611 48896 3	150	10	10
662611 48897 0	120	10	10
662611 48898 7	100	10	10
662611 48899 4	80	10	10
662611 48900 1	60	10	10
17" DIAMETER			
662611 48901 7	180	10	10
662611 48902 4	150	10	10
662611 48903 1	120	10	10
662611 48904 8	100	10	10
662611 48905 5	80	10	10
662611 48906 2	60	10	10
18" DIAMETER			
662611 57331 3	120	10	10
662611 48907 0	100	10	10
662611 48908 6	80	10	10
662611 48909 3	60	10	10
19" DIAMETER			
662611 57335 5	120	10	10
662611 57334 2	100	10	10
662611 57333 9	80	10	10
662611 57332 6	60	10	10
20" DIAMETER			
662611 48910 5	120	10	10
662611 48911 2	100	10	10
662611 48912 9	80	10	10
662611 48913 6	60	10	10



FLOOR MAINTENANCE PADS

Designed with a thick, open web, superior grain distribution and coating process allows extended pad life with high performance results. Heavy fiber and coarse grains provide quick finish removal. Fine fiber combinations that are resilient to conform to the floor for mirror finishes when buffing. Traditional rental-grade pads.

THIN FLOOR PADS

UPC	COLOR	PADS PER CASE
13" x 1/4"		
662610 59080 9 NS	White	10
662610 59082 3 NS	Green	10
662610 59083 0 NS	Black	10
15" x 1/4"		
662610 59089 2 NS	Tan	10
662610 59088 5 NS	White	10
662610 59090 8 NS	Green	10
662610 59091 5 NS	Black	10
16" x 1/4"		
662610 59093 9 NS	Tan	10
662610 59092 2 NS	White	10
662610 59094 6 NS	Green	10
662610 59095 3	Black	10
662610 51679 3	Tan	5
17" x 1/4"		
662610 59097 7	Tan	10
662610 59096 0	White	10
662610 59098 4	Green	10
662610 59099 1	Black	10
18" x 1/4"		
662610 59101 1 NS	Tan	10
662610 59100 4 NS	White	10
662610 59102 8 NS	Green	10
20" x 1/4"		
662610 59110 3	Green	10
662610 59111 0 NS	Black	10

NS = NON-STOCK



TECHtip

Swirling and powdering is the result of a floor pad that is too aggressive for the floor finish. Move to a softer, less aggressive floor pad if this occurs.



FLOOR MAINTENANCE PADS

Designed with a thick, open web, superior grain distribution and coating process allows extended pad life with high performance results. Heavy fiber and coarse grains provide quick finish removal. Fine fiber combinations that are resilient to conform to the floor for mirror finishes when buffing. 1" thick for longer life.

THICK FLOOR PADS		
UPC	COLOR	PADS PER CASE
12" x 18" x 1"		
662610 05290 1	Tan	5
662610 06547 5	White	5
662610 51672 4	Red	5
662610 02596 7 NS	Green	5
662610 51677 9	Black	5
13" x 1"		
662610 57600 1 NS	Tan	5
662610 54205 1	White	5
662610 54272 3	Red	5
662610 54240 2	Blue	5
662610 54257 0	Green	5
662610 54223 5	Black	5
15" x 1"		
662610 57601 8 NS	Tan	5
662610 54207 5	White	5
662610 54274 7	Red	5
662610 54242 6	Blue	5
662610 54259 4	Green	5
662610 54225 9	Black	5
16" x 1"		
662610 57604 9 NS	Tan	5
662610 54208 2	White	5
662610 54275 4	Red	5
662610 54243 3	Blue	5
662610 54260 0	Green	5
662610 54226 6	Black	5
17" x 1"		
662610 57607 0	Tan	5
662610 54209 9	White	5
662610 54276 1	Red	5
662610 54244 9	Blue	5
662610 54261 7	Green	5
662610 54227 8	Black	5
18" x 1"		
662610 57609 4	Tan	5
662610 54210 5	White	5
662610 54277 8	Red	5
662610 54245 7	Blue	5
662610 54262 4	Green	5
662610 54228 0	Black	5
20" x 1"		
662610 57611 7	Tan	5
662610 54212 9	White	5
662610 54279 2	Red	5
662610 54247 1	Blue	5
662610 54264 8	Green	5
662610 54230 3	Black	5

NS = NON-STOCK



true blue REINVENTED

A unique microstructure, optimal chemistry, and superior process control give Norton BlueFire a significant performance advantage with material removal rates and up to 30% longer life over conventional zirconia products. The proven performance of the original blue belt is now infused with the newest grain technology for even greater results.



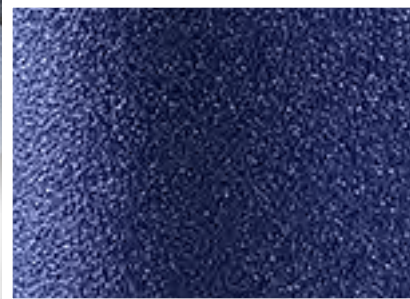
Grain Technology

Infused with a proprietary, self-sharpening 100% zirconia alumina grain.



Anti-Stat Treatment

Increased dust collection efficiency for less airborne wood dust.



Resin Bond

Improved bond system ensures grain retention under the most demanding applications.

Breakages/Personal Injury

In the event of on-machine breakage of Norton abrasive products, call your local Norton Distributor immediately. Whether involving personal injury or not, the user should leave the equipment and other evidence undisturbed until a Norton Sales Representative has been notified and conducts an investigation. Prompt action on the part of product user, Distributor and Norton sales personnel is important to ensure swift determination of the breakage cause and to guard against recurrence.

Safe Operating Practices

Safe operating practices must be part of every grinding wheel user's operation. The greatest efficiency and lowest overall abrasive/diamond cost can be realized only if proven care and use techniques become standard practice.

- Be sure to read any safety material/ guidelines provided with the abrasive product.
- Always check the wheel for cracks or damage before use.
- Before mounting the wheel, use a tachometer to measure the spindle speed.
- Ensure the mounting flanges, backplate or adapter supplied by the machine manufacturer are used and kept in good condition. ANSI Safety Requirement B7.1 provides wheel mounting requirements. Check mounting flanges for equal and correct diameter and use blotters when supplied.
- Always mount, true and dress the wheel in conformance with the guidelines published in the ANSI Safety Requirements B7.1.
- Ensure the correct wheel guard is in place before starting the wheel. Allow the wheel to come up to full operating speed before starting to grind for a minimum of one minute, and stand out of the plane of rotation.
- NEVER use a high-speed air sander as a portable grinder.
- NEVER use a high-speed air sander as a portable grinder.
- NEVER exceed the maximum operating speed marked on the wheel being used. The following formula may be used to calculate wheel speed: SFPM = Spindle Speed in RPM x Wheel Dia. in inches x .262
- Avoid dropping or bumping the wheel.
- When not using the wheel, store the wheel in its original packing materials. This protects the wheel from chips and cracking, as well as provides easy identification of the wheel.

For more information on product safety, ask your Norton Distributor for these publications:

- "Primer on Grinding Wheel Safety" (form 474)
- Portable Grinding Safety (form 1406)
- ANSI B7.1 "Safety Requirements for the Use, Care and Protection of Abrasive Wheels"
- Material Safety Data Sheets
- Other applicable regulations

Dust and Silica Warning

Grinding/cutting/drilling of masonry, concrete, metal and other materials can generate dusts, mists and fumes containing chemicals known to cause serious or fatal injury or illness, such as respiratory disease, cancer, birth defects or other reproductive harm. If you are unfamiliar with the risks associated with the particular process and/or material being cut or the composition of the tool being used, review the material safety data sheet and/or consult your employer, the material manufacturer/supplier, governmental agencies such as OSHA and NIOSH and other sources on hazardous materials and make certain to comply with all product warnings and instructions for the safe and effective use of the material being cut. California and some other authorities, for instance, have published lists of substances known to cause cancer, reproductive toxicity, or other harmful effects.

For Your Protection



SAFETY GUIDES AND WHEEL WARNING MESSAGES

Norton provides information pertaining to the safe use of all products. Please take the time to read it carefully.



FACE PROTECTION

Always wear face protection when using abrasive products.



SAFETY GLOVES

Grinding applications are conducted in harsh environments. The use of safety gloves is recommended.



HEARING PROTECTION

Use of these products may create elevated sound levels. Hearing protection must be worn where required.



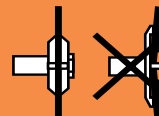
SPEEDS

Check machine speed against safe maximum operating speed marked on the grinding wheel. Do not overspeed the wheel.



WHEEL GUARD

Always use the wheel guard as supplied by the machine manufacturer.



FLANGES

When mounting Type 41 cut-off grinding wheels, only use flanges of equal diameter.



RESPIRATORY PROTECTION

Always use dust controls and protective measures appropriate to the material being ground.



WARNING

This warning icon appears on our products and packaging. It is intended to draw your attention to the specific safety warning practices outlined after it.

How Diamond Blades Work

Since they do wear down in use, diamond blades are actually “grinding wheels” with diamond particles as the abrasive agent. Individual diamond particles remove material by “scratching out” particles of hard, dense substances, or by “knocking out” larger particles of loosely bonded, abrasive material during the cutting operation.

Although diamonds are the hardest substance in the world, these diamond particles do wear out or break down after cutting for a period of time. New, untouched diamonds are, however, exposed by the wearing down of the metal “bond.”

Large particles of soft, abrasive materials wear down this metal bond faster than the small particles removed from hard, dense materials. Because of this, a diamond blade for cutting a soft, abrasive material must have a hard metal bond to resist this erosion long enough for the exposed diamonds to be properly utilized. Conversely, a soft bond is needed to ensure that it will erode and expose new diamonds, allowing the blade to continue cutting efficiently.

Years of experience and development have given us a vast number of bonds of different hardness levels for different levels of “Controlled Bond Erosion” for all masonry and concrete materials.

How to Mount Diamond or Abrasive Blades

1. Using the blade shaft wrench supplied with the saw, loosen and remove the blade shaft bolt and remove collar. Be sure blade shaft collars and arbor are free of dirt and all foreign materials before mounting blade on the shaft. **TIGHTENING AN ABRASIVE BLADE AGAINST AN UNEVEN SURFACE COULD FRACTURE THE BLADE** or cause blade to run out of alignment, causing excessive blade wear, and/or unsafe sawing conditions.
2. Place the blade on the arbor. Attach loose collar and tighten the blade shaft bolt securely. When tightening bolt against outside blade shaft collar, be sure to tighten enough to hold the blade firmly without slipping, but do not over tighten. **EXCESSIVE TIGHTENING CAN CAUSE AN ABRASIVE BLADE TO FRACTURE.**

How to Use Your Masonry Saw for Dry Cutting

1. Use a proper blade which is clearly marked for dry cutting.
2. Remove water curtain.
3. Disconnect the electric water pump.
4. Use “Step Cutting” as explained previously when using wet or dry cutting diamond blades or abrasive blades.
5. Dry cut only in large open areas with adequate ventilation.

How to Use Your Masonry Saw for Wet Cutting

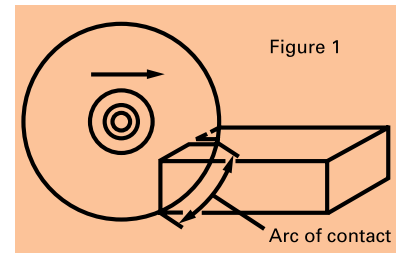
Water may be supplied either by filling the water pan to within 1/2" of top, or for a continuous flow of clean water use a barrel. When using water from barrel, remove water pump from pan and submerge it in water barrel. Remove the drain plug so the used water and sludge will drain from pan.

1. Prepare water supply.
2. Install water curtain on cutting head pivot bar.
3. Be sure the water pump is plugged into the connection on the masonry saw motor. (It will start when the main switch is turned on.)
4. 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.
5. 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.
6. Use “Step Cutting” with abrasive blades as previously described.
7. Use “Jam Cutting” or “Step Cutting” with diamond blades as previously described.

How to Use “Jam Cutting” (Fixed Cutting) and “Step Cutting” With Diamond Blades

In “Jam Cutting,” the cutting head is locked in a fixed position and the material is pushed into the blade as shown in Figure 1. “Jam Cutting” with the cutting head locked in position usually provides greater efficiency than merely holding the head down.

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



1. To lock the head into position, tighten lever nut at back of saw or lower the cutting head to desired cutting depth, depending on the model saw you are using.
“Step Cutting” with diamond blades is done by applying more pressure to blade and making a deeper cut. Unlike “Step Cutting” with abrasive blades, “Step Cutting” with diamond blades requires only a few passes through the material.
2. In cutting, clamp the material securely or hold it firmly against the conveyor cart backstop. **IF THE MATERIAL IS ALLOWED TO SLIP, RESULTING SEIZURE OF THE BLADE MAY BEND THE DIAMOND BLADE CENTER OR CAUSE A RIM SECTION TO BE TWISTED OFF.**
3. Do not force the material or bump into the blade. **WHEN NEARING COMPLETION OF THE CUT, RETARD AND SLIGHTLY HOLD BACK THE CONVEYOR CART.** If this is not done, the material may be pulled into the blade so fast that excessive pressure on the rim may cause warping or twisting of the rim section.
4. When a new diamond blade is broken in, make the first few cuts slowly until the blade cuts freely and easily.
5. When the blade is cutting freely and easily, **USE IT!** As long as it cuts satisfactorily, do not dress the diamond blade or remove it from the blade shaft.
6. After continuous cutting of extremely hard and dense materials, the blade may slow down and it may be necessary to “dress” the cutting edge. To do this, make a few rapid, shallow cuts using the “Step Cutting” method. If this is not sufficient, then make one or two cuts in a soft abrasive light weight block.

Road Construction Work Zone Safety Video

Safety is always a priority for Norton. And how you handle yourself at every job site from the right protective equipment to following the proper procedures is important to your ongoing safety.



For a copy of our Road Construction Work Zone Safety video, please contact a Norton representative.

Concrete and Asphalt Sawing Methods

In concrete and asphalt cutting operations, the usual equipment used are 8 to 65HP flat saws.

Asphalt cutting and the cutting of asphalt overlaid concrete should not be considered the same type operation from a blade recommendation standpoint. In the case of asphalt overlay, the application involves cutting both asphalt and cured concrete which gives a different abrasive level than the cutting of asphalt alone.

Generally, the cutting of asphalt overlaid concrete is done at full depth with blades less than 18" in diameter as long as the asphalt is more than 1/3 the total depth of cut. Standard recommended specifications for asphalt overlaid concrete should be employed until the depth of the asphalt reaches 50% of the total cut. At this point, harder blades should be used which would increase the blade life.

The larger diameter blades, 18" and above, are used in a step cutting method at cutting depths of 2" and 3" in short travel distances of 15' to 20'. This allows the blade to remain in a free cutting condition and does not slow down the cutting operation. Asphalt cutting is primarily performed at full depth. However, if the aggregate used in asphalt is larger than .750 in diameter and/or is quartz or chert aggregate, the cutting operation may have to be modified to a step cutting operation.

Green Concrete Sawing Methods

Green concrete is cut to control cracking in large concrete pours. Usually saws from 5 HP to 65 HP are used for this purpose, depending on the size of the job. The initial sawing of the concrete is done within a 24 hour period at a depth of 1/3 to 1/4 of the total concrete thickness. Generally 6" to 14" blades are used with .110" through .150" 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 12" or 14" in widths up to .500".

Concrete Deep Sawing Methods

Generally, deep sawing of cured concrete is done using high horsepower concrete saws and blades above 20" in diameter. 65 HP concrete saws are used in conjunction with 24", 30", and 36" diameter blades to obtain the desired depth of 8" to 14" (this is usually the standard thickness of concrete highways in North America). The blades are usually used at approximately 12,000 surface feet per minute (outside rim speed of the blade).

The use of these blades is usually dictated by the hardness of the aggregates contained in the concrete. A cutting rate of 4' to 6' per minute is the speed of cut most operators prefer. This cut rate is usually directly related to the depth of cut. In areas with hard aggregate, it is common to make multiple passes of 2" to 3" deep until desired full depth of cut is reached. Softer aggregates can be cut using deeper passes without sacrificing cutting speed.

Core Drilling Methods

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 ensures faster drilling speed and longer bit life.

1. 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.
2. Use a sufficient supply of water to ensure that hole is constantly being flushed of abrasive cuttings.
3. Slowly lower the bit into the cut so that there is no skidding or lateral movement of the drill bit. The entire circumference of the core bit should penetrate the drilling surface before additional pressure is applied to the handle.
4. Exert steady downward pressure on the bit while drilling. Do not force the bit into the material.
5. Do not stop the flow of water or the rotation of the bit as long as the bit is in the hole.
6. If the drilling rate decreases noticeably, check the core bit. The slower penetration rate generally means that the bit is dull and needs to be reconditioned.

Concrete Saw Safety Precautions

IMPORTANT: FOR COMPLETE SAFETY INFORMATION, REFER TO ANSI SAFETY CODE B7.1 AVAILABLE THROUGH THE AMERICAN NATIONAL STANDARDS INSTITUTE.

IMPORTANT: CONSULT THE MANUFACTURER OF THE HIGH-SPEED HAND-HELD SAW FOR APPROPRIATE SAFETY INFORMATION, AS WELL AS ANSI B7.5.

THE FOLLOWING SAFETY PRECAUTIONS MUST BE OBSERVED.

1. 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.
2. The blade shaft collars must be of proper diameter for the size blade being used. The drive pin must be located in the tight collar or the loose pin, and arbor should be cleaned and examined for damage before mounting the blade.
3. The blade must be properly fitted over arbor and drive pin. Drive pin must project through hole in blade and into collar. Do not force the blade onto arbor.
4. Disconnect spark plugs and use the blade shaft lock pin when tightening the blade shaft nut. Tighten the blade shaft nut securely against the outside blade shaft collar. The blade shaft has left hand threads on the right side of the saw and right hand threads on the left side of the saw.
5. 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.
6. The operator should wear safety glasses and appropriate safety equipment at all times.
7. Never leave saw unattended while engine is running.
8. Always secure saw from rolling when not in use.
9. Do not stop the engine on a self-propelled saw while on a grade.
10. When stopping any saw on a grade, the wheels must be chocked.
11. When starting the saw, the operator should stand away from and to the side of the blade.
12. 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.
13. 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.
14. Adequate coolant must be used when sawing with wet cutting abrasive or diamond blades. Gravity feed does not supply a sufficient water flow. The water pumps on concrete saws are "booster" pumps only and are not adequate as primary pressure source. An adequate coolant supply is required for wet cutting blades to maintain blade life and cutting efficiency.
15. The blade shaft must be operated within the specified maximum operating speed.
16. Operate engine at proper RPM. Never alter RPM or governor setting.
17. In case of an EMERGENCY "SHUT OFF ENGINE."

Core Drill Safety Precautions

1. 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.
2. The three-pronged plug on the power cord of the motor or the extension cord must be plugged into a grounded electrical outlet of the appropriate voltage.
3. The core drill must be securely fastened to the intended work surface (wall, deck, etc.), using anchor bolts, vacuum pad or jack screw.
4. Use extreme caution when drilling through floors. Check for electrical conduit.
5. Provide protection for all personnel and materials below the areas being drilled.

Masonry Saw Safety Precautions

The following is a list of safety practices which must be observed when sawing with masonry saws:

1. Keep the area around the saw free from debris which could cause falls.
2. Prohibit the use of the saw by unauthorized or untrained personnel.
3. Keep the conveyor cart free of grit and debris which could allow the material to slip or twist during cutting operations.
4. Hold the material firmly against the backstop of the conveyor cart or guide-a-cut, keeping fingers out of the path of the blade.
5. Position the saw on a firm, flat area and be sure that the saw will not move in use.
6. Replace blade collars if they become worn to less than 4" diameter for 18" and 20" blades, or less than 3 1/2" diameter on 14" blades.

Diamond Blade Safety – Do's & Don'ts

All manufacturers of diamond blades are very concerned that their products are used in a safe manner. **The following is a list of Do's and Don'ts for concrete and masonry sawing.** This is provided with the intention of eliminating hazardous conditions or practices. Please take time to read and understand its principles.

Wet Cutting Do's & Don'ts

1. **Do** follow manufacturer's recommended blade specifications for material to be cut.
Don't use a diamond saw blade without checking manufacturer's recommendations for the material to be cut. Improper selection can cause excessive blade wear and possible damage to the diamond saw blade and/or machine, and create an unsafe operating condition.
2. **Do** inspect the diamond blade for damage that may have occurred during shipment or damage due to previous use.
Don't use a new diamond saw blade or remount a used blade which has a core that is not flat or is cracked, which shows segment damage or loss, or which has a damaged arbor hole.
3. **Do** check mounting flanges for equal diameter, excess wear and flatness. Mounting flanges must have adequate relief around arbor hole.
Don't use mounting flanges on which the bearing surfaces are not clean and flat.
4. **Do** be sure that the diamond saw blade is mounted on a correct diameter blade shaft between proper blade flanges and is securely hand-tightened with a wrench.
Don't force blade onto machine blade shaft or mount blade on undersized blade shaft. Either condition can result in unsafe operating conditions and excessive blade wear.
5. **Do** check the saw for proper operating conditions:
 - A. All fluids are at proper levels.
 - B. Blade shaft bearings should be free of end and radial play.
 - C. V-belts should be properly tensioned and pulleys checked for excessive wear.
 - D. Lead off adjustment is set correctly, to allow the blade to travel straight.
 - E. Do operate with blade guard in place and properly secured.**Don't** mount blade on machine that does not meet the minimum requirements set forth in the manufacturer's machine operating manual.
6. **Do** be sure there is a continuous water flow to each side of the blade. Gravity feed does not supply a sufficient water flow. The water pumps on concrete saws are "booster" pumps only and are not adequate as a primary pressure source. An adequate coolant supply is required for wet cutting blades to maintain blade life and cutting efficiency.
7. **DO FOLLOW THE MANUFACTURER'S RECOMMENDED PULLEY SIZES AND OPERATING SPEEDS. FOR SPECIFIC BLADE DIAMETERS, REFER TO MANUFACTURER'S OPERATING MANUAL.**
8. **Do** operate the saw with proper safety attire, i.e., safety glasses, safety helmet, safety shoes and hearing protection.
9. **Do** examine blade periodically for cracks in the steel center or segments, or excessive wear under the segments.

Dry Cutting Do's & Don'ts

1. **Do** follow manufacturer's recommendation regarding specification for material to be cut and suitability for dry cutting applications.
Don't cut dry except with a blade specifically designated for dry cutting by the manufacturer.
2. **Do** inspect the diamond saw blade for damage that may have occurred during shipment or damage due to previous use.
Don't force blade onto machine blade shaft, alter the size of the mounting hole, or tighten mounting nut excessively. The use of bushings to reduce the arbor hole size is not recommended for diamond blades used on high-speed saws.
3. **Do** inspect the diamond blade periodically during use for core flatness, fatigue cracks, segment damage, undercutting and damage to the arbor hole.
Don't exceed the maximum operating speed established for the diamond blade.
4. **Do** check the mounting flanges to be sure that they are of equal or correct diameter, that they do not show excessive wear, and that they are flat.
Don't operate a saw without proper safety guards in place. NEVER OPERATE ANY SAW, WET OR DRY, WITHOUT A BLADE GUARD!
5. **Do** be sure that the diamond blade is mounted on a correct diameter blade shaft between proper blade flanges and is securely hand tightened with the wrench provided or an adjustable wrench no longer than 8".
Don't stand in direct line with dry diamond or abrasive blades during start-up or operation.
6. **Do** check for proper saw machine conditions. Spindle bearings should be free of end and radial play. Consult the operating manual from the saw manufacturer for proper machine maintenance conditions.
Don't cut or grind with the sides of a diamond blade.
7. **Do** follow the manufacturer's recommendation for operating speeds for specific blade diameters.
Don't force the blade into the material; allow the blade to cut at its own speed. Forcing the blade may cause overheating or blade damage.
8. **Do** maintain a firm grip on hand-held saws during cutting operation.
Don't make long continuous cuts with a dry diamond blade. Allow the blade to cool by turning in air every few minutes. The harder the material being cut, the more often the blade should be allowed to cool.
9. **Do** wear proper safety equipment at all times. Always wear safety glasses, safety footwear, snug fitting clothing, hearing and head protection, and respiratory equipment where required.
Don't use the blade to cut material other than that recommended by the manufacturer for that specific blade type.
10. **Don't** use the blade on a type of saw other than that specified by the manufacturer.
11. **Don't** allow the blade to deflect in the cut.
12. **Don't** attempt to cut curves or radii.



HIGH-SPEED HAND SAW BLADES

Maximum Blade Cutting Depths and Recommended Operating Speeds

BLADE DIAMETER	CUTTING DEPTH	MAX. SPEED (RPM)
12"	4"	6,300
14"	5"	5,460
16"	6"	4,500



MASONRY BLADES

Maximum Blade Cutting Depths and Recommended Operating Speeds

BLADE DIAMETER	CUTTING DEPTH	IDEAL SPEED (RPM)	MAX. SPEED (RPM)
14"	5"	2,592	4,365
18"	7"	2,016	3,395
20"	8"	1,814	3,055
24"	10"	1,512	2,550



CONCRETE SAW BLADES

Maximum Blade Cutting Depths and Recommended Operating Speeds

BLADE DIAMETER	CUTTING DEPTH	IDEAL SPEED (RPM)	MAX. SPEED (RPM)
7"	1-1/2"	5,184	8,730
8"	2"	4,536	7,640
12"	3-5/8"	3,024	5,095
14"	4-5/8"	2,592	4,365
16"	5-5/8"	2,268	3,820
18"	6-5/8"	2,016	3,395
20"	7-5/8"	1,814	3,055
24"	9-5/8"	1,512	2,550
26"	10-5/8"	1,396	2,350
30"	11-3/4"	1,120	2,040
36"	14-3/4"	1,008	1,700
42"	17-1/2"	864	1,455
48"	19-3/4"	756	1,275



TILE SAW BLADES

Maximum Blade Cutting Depths and Recommended Operating Speeds

BLADE DIAMETER	CUTTING DEPTH	IDEAL SPEED (RPM)	MAXI. SPEED (RPM)
4"	3/4"	9,072	15,000
4-1/2"	1"	8,063	13,300
5"	1-1/4"	7,257	12,000
6"	1-3/4"	6,048	10,185
7"	2-1/4"	5,184	8,730
8"	2-3/4"	4,536	7,640
9"	3-1/4"	4,032	6,790
10"	3-3/4"	3,629	6,115



ABRASIVE BLADES AND WHEELS

Maximum Recommended Operating Speeds

BLADE DIAMETER	TYPE 1 CUT-OFF WHEELS	HIGH-SPEED BLADES	TYPE 27 AND 28 WHEELS	TYPE 11 CUP WHEELS
4"	19,000		15,000	9,050
4-1/2"	13,300		13,300	
5"	12,000		12,000	7,255
6"	10,000		10,000	6,050
7"	8,600		8,600	
8"	7,500			
9"	6,800	6,800	6,800	
10"	6,110			
12"	5,095	6,300		
14"	4,365	5,400		
16"	3,820	4,500		
18"	3,395			

NOTE: Diamond blade cutting depths listed are approximate. Actual cutting depth will vary with the exact blade diameter or saw type, or the exact diameter of the blade flanges. Cutting depth will also be reduced if saw components extend below the blade flanges.



CORE BITS

Minimum and Maximum Recommended Operating Speeds

BIT DIAMETER	MIN. (RPM)	IDEAL SPEED (RPM)	MAX. (RPM)
1"	2,400	3,200	4,000
2"	1,200	1,600	2,000
3"	800	1,050	1,300
4"	600	800	1,000
5"	475	640	800
6"	400	530	665
7"	340	450	600
8"	300	400	500
10"	240	320	400
12"	200	265	330
14"	170	225	285
16"	150	200	250
18"	130	175	220
20"	120	160	200
24"	100	130	165
26"	90	125	150
30"	80	105	130
32"	75	100	125
34"	70	95	120
36"	65	85	110
40"	60	80	100
42"	55	75	95



Extension Cord Size Recommendations

3 Phase Motor

TOOL HP	AMPS	VOLTAGE	>50'	50' - 100'	100' - 150'	150' - 200'
5	12	230v	#14	#12	#10	#8
5	6	460v	#14	#14	#12	#10
10	24	230v	#10	#8	#6	#4
10	12	460v	#14	#12	#10	#8
20	52	230v	#6	#6	#4	#2
20	26	460v	#10	#8	#6	#4
25	58	230v	#6	#6	#4	#2
25	29	460v	#10	#8	#6	#4
30	37	460v	#8	#6	#4	#2
40	48	460v	#8	#6	#4	#2
50	62	460v	#4	#4	#2	#0



Extension Cord Size Recommendations

1 Phase Motor

TOOL HP	AMPS	VOLTAGE	>50'	50' - 100'	100' - 150'	150' - 200'
1/3 - 1/4	7	125v	#18	#18	#16	#14
1/2	10	125v	#18	#16	#14	#12
3/4	13	125v	#16	#14	#12	#10
1	15	125v	#14	#12	#10	#8
1-1/2	20	125v	#12	#10	#8	#6
1-1/2	13	115v	#12	#10	#8	#6
1-1/2	6	230v	#14	#14	#12	#10
2	30	125v	#8	#6	#4	#2
2-1/2	21	115v	#10	#8	#6	#4
2-1/2	11	230v	#14	#12	#10	#8
5	23	230v	#10	#8	#6	#4
7-1/2	33	230v	#8	#8	#6	#4

technical expertise WITH BREAKTHROUGH TECHNOLOGIES



The Norton Clipper CP500 High-Speed Cut-Off Saw. The patented **iLube®** option automatically controls mixing of oil and fuel for maximum efficiency. An electronic sensor will indicate a low oil level and adjust the engine to idle to prevent engine damage.



Norton Universal Arbor design allows a blade to be adaptable to two different arbor mounts. A knock-out bushing design creates flexibility to use one blade on two machines.



Norton 4X4, 4X4 MaxCut and 3X3 ellipsoidal shaped gullets substantially increase product safety by significantly decreasing the risk of cracking in the steel center. The exclusive design successfully enables the blades to safely cut multiple materials, specifically metals up to 5mm thickness.



The steel core design of **Norton Silencio** provides an unprecedented noise-dampening effect on the job site of up to 15dB for 30 times less noise. The revolutionary design drastically reduces the high-pitched whistling effect on masonry and floor saws which is ideal for areas with local regulations sensitive to noise.



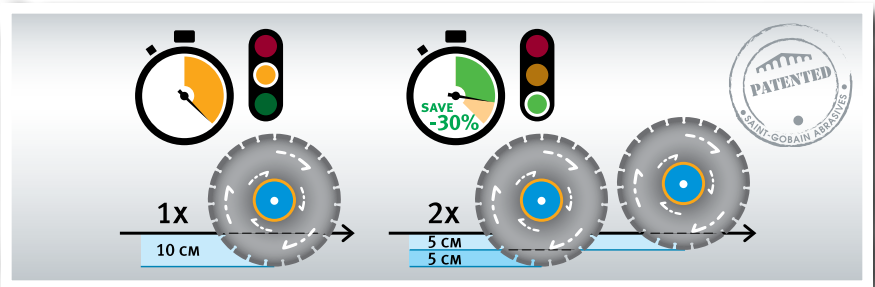
In the early 80's, Norton revolutionized the diamond blade market by developing the process of **laser welding** diamond segments to the steel center. This allowed, for the first time, laser-welded diamond products to cut dry on a very wide range of masonry and construction materials while returning exceptional speed of cut and long life when compared with conventional abrasive blades.



The unique laser-cut gullets and split segment design of the **Norton DUO** work together to provide an extremely smooth and fast cutting blade in many different types of material. **Norton DUO** raises the performance standard in high-speed diamond blades for fast removal of cutting debris with longer life. Patents: US D459, 740S; D458, 948S; D459, 376S; D459, 375S

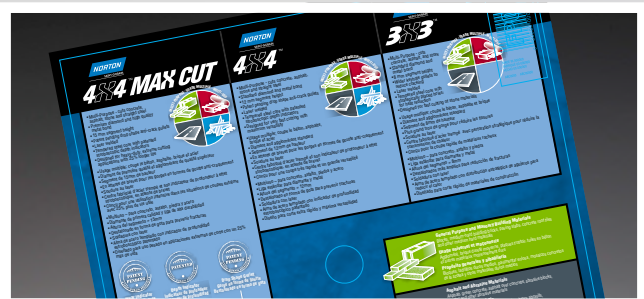


Norton Clipper C1318P Small Push Saw has been redesigned with the operator in mind while maintaining robustness and functionality synonymous with the Clipper name. **Anti-Vibe Handlebars** reduce hand/arm vibration up to 40%.



Norton depth cut indicators easily controls the operator's depth of cut for elimination of over-cutting, resulting in improved job performance. The steel center is permanently marked with patented slots that combine the direction of rotation and depth indicators. As the blade revolves, the depth of cut can be seen through the stroboscopic effect.

taking less talk
TO CUT MORE ROCK!

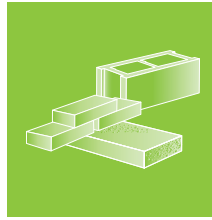


SELF-SELLING PACKAGING – ANSWERS FIVE KEY QUESTIONS

1	2	3	4	5
<p>HOW DEEP IS THE CUT? BLADE SIZE</p> <p>Prominent blade diameter and bore (hole) size to ensure the size is correct for your machine.</p>	<p>WHAT ARE YOU CUTTING? APPLICATION COLOR</p> <p>Color-coded by material to be cut. See application chart on package.</p>	<p>IS THE APPLICATION WET OR DRY?</p> <p>Wet symbol </p> <p>Dry symbol </p>	<p>REQUIRED HORSEPOWER? MACHINE PICTOGRAM</p> <p>Identifies machines that can be used.</p>	<p>HOW BIG IS THE JOB? PERFORMANCE QUALITY</p> <p>Product name and diamond tier rating scale. See performance chart on package.</p>

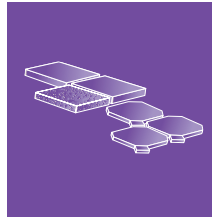


AT THE END OF THE DAY,
NORTON GETS THE JOB DONE.



General Purpose and Masonry Building Materials

Blocks, medium-hard building bricks, paving slabs, concrete roof tiles and other medium hard materials.



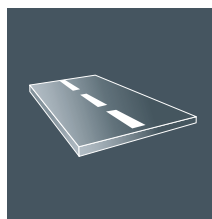
Natural Stone and Tiles

Ceramic and stone tiles, granite, marble, very hard bricks and other very hard and dense materials.



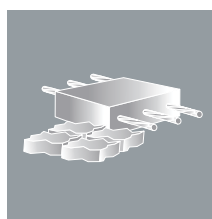
Rescue, Demolition

Ductile, steel, polyvinyl pipe, thin steel plate, acrylic sheet, fiberglass, rubber, standard glass, wood, concrete, brick, asphalt.



Asphalt and Abrasive Materials

Asphalt, green concrete, asphalt over concrete, abrasive blocks, mortar and other abrasive materials.



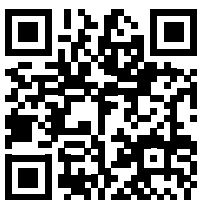
Reinforced Concrete and Harder Building Materials

Reinforced concrete, hard bricks, limestone, terrazzo and other hard materials.



General Purpose, All Materials Ductile Iron Pipe

Concrete, reinforced concrete, asphalt over concrete, granite, building materials, thin steel sections, ductile iron pipes, angle iron up to 1/2" material thickness, rebar up to no. 5.



ALL THE **MUSCLE** YOU NEED.™

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