



Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

**State of West Virginia  
 Solicitation Response**

**Proc Folder:** 910844  
**Solicitation Description:** Walk Behind Concrete Saw  
**Proc Type:** Agency Purchase Order

Solicitation Closes	Solicitation Response	Version
2021-09-27 14:30	SR 0803 ESR09272100000002099	1

**VENDOR**  
 000000182029  
 FORM TECH CONCRETE FORMS INC

**Solicitation Number:** ARFQ 0803 DOT2200000006  
**Total Bid:** 7517.350000000000363797880709 **Response Date:** 2021-09-27 **Response Time:** 07:48:38  
**Comments:**

**FOR INFORMATION CONTACT THE BUYER**  
 Kristine E James  
 304-414-7104  
 kristy.e.james@wv.gov

**Vendor Signature X** **FEIN#** **DATE**

All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Walk Behind Concrete Saw	1.00000	EA	7517.350000	7517.35

Comm Code	Manufacturer	Specification	Model #
27112745			

**Commodity Line Comments:** Norton Clipper (#C2021SS) - 20hp Self Propelled Saw w/ 24" Blade Capacity

**Extended Description:**

Walk Behind Concrete Saw

Reshaping  
your  
world.

**NORTON**

SAINT-GOBAIN

***clipper***®

DIAMOND, ABRASIVES, AND EQUIPMENT PRODUCTS FOR THE  
CONSTRUCTION  
DISTRIBUTION MARKET



REDEFINING  
**JOBSITE MUSCLE™**

  
SAINT-GOBAIN

Reshaping  
your  
world.



## Our Expertise

Norton Clipper is your one reliable source for all of your cutting, grinding, and drilling jobsite solutions for the construction market.

For over 135 years, the Norton brand has been a leader in product innovation in cutting and grinding applications. The Clipper brand has been a trusted equipment source on the jobsite since the first masonry saw was invented in 1937. We have taken the core strengths of both brands and merged them into an even stronger entity so that we deliver a unified product offering with the name that can be trusted for quality, durability, speed, life and value.

Norton Clipper boasts the widest range of diamond tools for cutting the most common surfaces: reinforced concrete, asphalt, granite, tile, stone, and steel. Norton Clipper is also well known for supplying high performance machines including: high-speed, walk-behind, masonry, tile and core drilling equipment. Whatever your job requires, we can offer you a leading product line of diamond, abrasives and light equipment for the concrete, construction and rental market with the relentless performance you've come to expect.

## Our Mission

We offer powerful, precise, user-friendly solutions, which enable our customers to cut, grind, drill and finish all materials even in the most complex and challenging applications. By working closely with end-users and our construction expert partners, we design and provide customized solutions to secure the best option for performance, cost and safety.

## Why Tiers Matter

At Norton Clipper we believe in delivering right choices that matter. Our diamond blades and abrasives are classified in GOOD, BETTER, and BEST performance/price tiers to help you choose the right product for your specific application every time.

If you need help determining the right tier for your specific needs, don't hesitate to contact us directly or reach out to your Norton Clipper sales representative.

## Go Further

Visit our website at [www.nortonabrasives.com](http://www.nortonabrasives.com) for a more comprehensive outline of products, safety and application information. We continually update it with our most current information.

Connect with us:



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DUO Small  
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## High-Speed Saws



CP500 Gas  
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CE414-350SS Electric  
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Speedy Cart  
High-Speed Saw Cart

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## Walk-Behind Saws



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BBM Blockbuster Mini  
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CST Series Masonry,  
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HHDET1800  
Hand-Held Core Drill  
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Whether you are looking to expand your rental fleet with rugged, reliable equipment, or grow your walk-in consumable sales, Norton Clipper can help. We have expanded our portfolio with new high-quality products to complement our existing offering you've come to know and trust. We will continue to deliver product innovation that makes Norton Clipper the single source supplier for all of your rental and construction needs.

We look forward to showing you how Norton Clipper is REDEFINING JOBSITE MUSCLE.

## Equipment

### SPEEDY CART

Convert your hand-held high-speed saw to a walk-behind saw. The last cart needed to get the job done.



### CE414-350SS

The electric high-speed cut-off saw that redefines jobsite muscle with power, performance, durability and innovation.



### C914P

Bridging the gap between the GC55 and reliable 13HP walk-behind saw range.



### GC55VAC

The best early entry saw just got better with a vacuum attachment option.



### CST SERIES

The missing link between long tiles saws and powerful masonry saws.



## Diamond Blades

### High-Speed - ValuPlus for Abrasive Materials

Ideal for residential contractors, priced competitively and designed to perform in abrasive materials either wet or dry.

### Walk-Behind - Classic 18" & 20"

Designed to handle all of the material applications of the small walk-behind saw without breaking the bank.

### Masonry - Silencio Charger

Easy on the ears and the wallet. A more economical quiet sandwich core is the perfect solution when cutting in sound sensitive work areas.

### Portable - 9" blades for cordless power tools

Make your battery tool more versatile. This new product offering is designed to enhance the productivity of the 9" cordless portable saw.



## Abrasives

### Charger Chop Saw Wheel

New and improved with increased performance and STUD cutting option. Your better choice when performance counts.



## Performance Quality Tiers

Within the Norton Clipper diamond and abrasive range, we offer a choice of performance levels, adapted to the requirements of our customers. For blades, a higher number of diamonds represent higher diamond concentration and longer product life. Each blade is clearly marked with these diamonds located underneath the product name. The color of the right half of the label also indicates the performance level as indicated below. Our abrasive products display a + symbol that represents the same tiering structure.

SUB BRAND	TIER	DIAMOND BLADES	ABRASIVE WHEELS	PERFORMANCE	LABEL COLOR
PREMIUM BLADES	Best	5		Best Performance	Blue
CHARGER	Better	4	4 <b>++++</b>	High Performance	Gray
CLASSIC	Good	3	3 <b>+++</b>	Good Performance	Black
VALUPLUS	Value	2		Consistent Performance	White



Abrasive  
Wheels

Diamond  
Blades

## Types of Diamond Blades



### Segmented Rim

- Most aggressive cutting action for use on the widest variety of materials.
- Typically used on high-speed, walk-behind and masonry saw blades.
- Gullets (space between segments) are designed for specific applications.



### Turbo Rim

- Aggressive cutting action with a smoother quality of cut.
- For use on harder materials such as granite, marble, and stone, to reduce chipping.



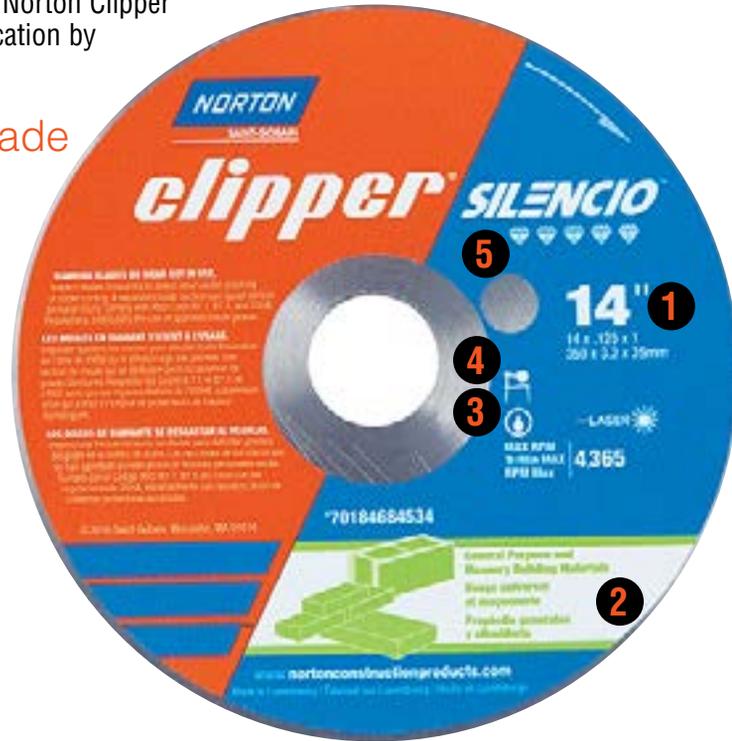
### Continuous Rim

- Provides the smoothest of cuts.
- For use on porcelain, ceramic tile, marble, and other hard materials requiring a high quality cut.

In addition to the easily identifiable performance quality tiers, Norton Clipper packaging helps you select the correct product for your application by simply answering these 5 questions.

## How to Choose the Right Diamond Blade

- 1 How deep is the cut? **BLADE DIAMETER**  
(Refer to cutting depth charts beginning on page 127)
- 2 What are you cutting? **APPLICATION**  
(Refer to application chart on catalog back cover)
- 3 Is the cutting application wet or dry? **WATER SYMBOL**
- 4 What type of saw (horsepower)? **MACHINE PICTURE**
- 5 How big is the job? **PERFORMANCE QUALITY TIER**  
(Refer to chart on page 8)



**HOW DEEP IS THE CUT?**

BLADE DIAMETER



**WHAT ARE YOU CUTTING?**

APPLICATION / COLOR CODE



**IS APPLICATION WET OR DRY?**

WET OR DRY SYMBOLS



**HOW MUCH HORSEPOWER?**

TYPE OF MACHINE



**HOW BIG IS THE JOB?**

PERFORMANCE QUALITY

## How to Choose the Right Abrasive Product?

- 1 What tool are you using? **ABRASIVE SIZE**  
(Refer to icon on label to match with your tool size and tool speed)
- 2 What are you cutting or grinding? **MATERIAL TYPE**  
(Color-coded by material to be cut or ground)
- 3 What abrasive product do you need? **APPLICATION**
- 4 How big is the job? **PERFORMANCE QUALITY TIER**
- 5 How to keep safe? **IDENTIFY WARNING SYMBOLS**





# clipper®

## ABRASIVES LINE

Wheels, Discs, Non-Woven, Wire Brushes



## CUTTING & GRINDING JOBSITE SOLUTIONS

**RUGGED** – Continually attuned to the market needs since our invention of the first masonry saw to today’s leadership in noise-dampening steel cores, universal arbors, and grain technologies delivers innovation to help you succeed.

**RELIABLE** – Combining the rich history of Clipper into the Norton family brings a single source supplier to the construction market with the high-quality and product performance you can trust to get you on and off the job quickly. Better tier = Charger. Good tier = Classic.

**AFFORDABLE** – Leveraging the deep knowledge base of our product and technical teams to offer right product solutions for price competitiveness that make a difference to your bottom line.

**REDEFINING**  
**JOBSITE MUSCLE™**  
Rugged. Reliable. Affordable.



## General Purpose and Masonry Building Materials

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

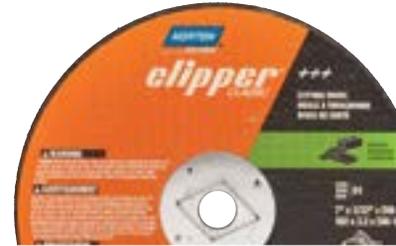
### CIRCULAR SAW WHEELS – TYPE 01/41

#### CLASSIC

+++

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

UPC	SIZE	APPLICATION	MAX RPM	STD PKG
70184601484	7 x 3/32 x 5/8 Diamond	Metal / Stainless	8,730	25
70184601485	7 x 3/32 x 5/8 Diamond	Concrete	8,730	25



## Steel & Stainless

General-purpose ferrous metals (steel, iron, welds), stainless steel and other high strength alloys.



### CHOP SAW WHEELS – TYPE 01/41

#### CHARGER

++++

Industrial performance to be used in cutting pipe, angle iron, rebar and steel studs.

UPC	SIZE	APPLICATION	MAX RPM	STD PKG
70184601625	14 x 3/32 x 1 Side Reinforced	Metal / Stainless	4,365	10
70184601624	14 x 3/32 x 1 Side Reinforced	STUD	4,365	10



#### CLASSIC

+++

Industrial performance to be used in cutting conduit, tail pipes, structural and other solid shapes.

UPC	SIZE	APPLICATION	MAX RPM	STD PKG
70184601476	12 x 3/32 x 1 Center Reinforced	Metal / Stainless	5,095	10
70184601477	14 x 3/32 x 1 Center Reinforced	Metal / Stainless	4,365	10
70184601478	14 x 3/32 x 1 Side Reinforced	Metal / Stainless	4,365	10
70184601479	16 x 3/32 x 1 Side Reinforced	Metal / Stainless	3,800	10





## Steel & Stainless

General-purpose ferrous metals (steel, iron, welds), stainless steel and other high strength alloys.

### RIGHT ANGLE CUT-OFF WHEELS – TYPE 01/41

#### CHARGER ++++

Durable grain for maximum productivity of 3X the life and 2X the cut rate over conventional cut-off blades. High performance.

UPC	SIZE	APPLICATION	MAX RPM	STD PKG
70184601459	4 x .045 x 5/8	Metal / Stainless	15,280	25
70184601460	4-1/2 x .045 x 7/8	Metal / Stainless	13,580	25
70184601461	5 x .045 x 7/8	Metal / Stainless	12,225	25
70184601462	6 x .045 x 7/8	Metal / Stainless	10,185	25
70184601463	7 x .045 x 7/8	Metal / Stainless	8,600	25



#### CLASSIC +++

Industrial grade performance when cutting an array of steels and metal. Good Performance.

UPC	SIZE	APPLICATION	MAX RPM	STD PKG
70184601455	4-1/2 x .040 x 7/8	Metal / Stainless	13,580	25
70184601456	5 x .040 x 7/8	Metal / Stainless	12,225	25
70184601457	6 x .040 x 7/8	Metal / Stainless	10,185	25
70184601458	7 x .045 x 7/8	Metal / Stainless	8,600	25



### RIGHT ANGLE CUT-OFF WHEELS – TYPE 27/42

#### CHARGER ++++

Durable grain for maximum productivity of 3X the life and 2X the cut rate over conventional cut-off blades. High performance.

UPC	SIZE	APPLICATION	MAX RPM	STD PKG
70184601469	4 x .045 x 5/8	Metal / Stainless	15,280	25
70184601470	4-1/2 x .045 x 7/8	Metal / Stainless	13,580	25
70184601473	5 x .045 x 7/8	Metal / Stainless	12,225	25
70184601474	6 x .045 x 7/8	Metal / Stainless	10,185	25
70184601475	7 x .045 x 7/8	Metal / Stainless	8,600	20



#### CLASSIC +++

Industrial grade performance when cutting an array of steels and metal. Good Performance.

UPC	SIZE	APPLICATION	MAX RPM	STD PKG
70184601464	4 x .045 x 5/8	Metal / Stainless	15,280	25
70184601465	4-1/2 x .045 x 7/8	Metal / Stainless	13,580	25
70184601466	5 x .045 x 7/8	Metal / Stainless	12,225	25
70184601467	6 x .045 x 7/8	Metal / Stainless	10,185	25
70184601468	7 x .045 x 7/8	Metal / Stainless	8,600	25





## Steel & Stainless

General-purpose ferrous metals (steel, iron, welds), stainless steel and other high strength alloys.

### GRINDING WHEELS – TYPE 27

#### CHARGER ++++

Ideal for grinding mild steel, stainless and alloy steels giving 3 times the life and 1 times the cut rate over conventional wheels. High Performance.

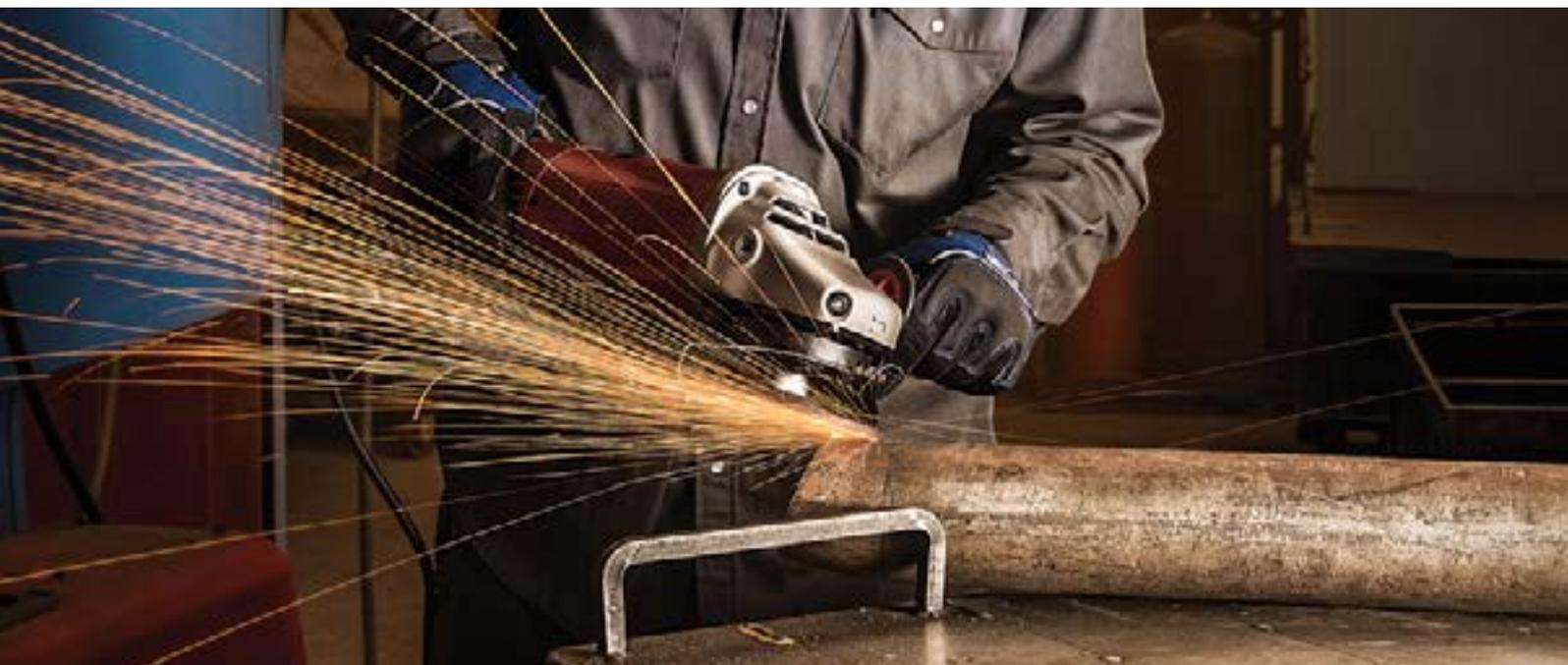
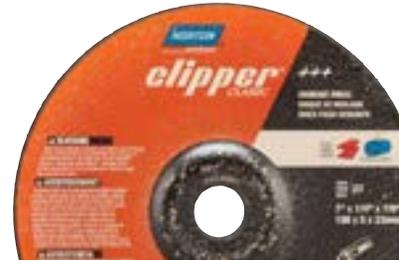
UPC	SIZE	APPLICATION	MAX RPM	STD PKG
70184601514	4-1/2 x 1/4 x 5/8-11	Metal / Stainless	13,580	10
70184601515	4-1/2 x 1/4 x 7/8	Metal / Stainless	13,580	25
70184601516	5 x 1/4 x 5/8-11	Metal / Stainless	12,225	10
70184601517	5 x 1/4 x 7/8	Metal / Stainless	12,225	25
70184601518	6 x 1/4 x 5/8-11	Metal / Stainless	10,185	10
70184601519	6 x 1/4 x 7/8	Metal / Stainless	10,185	20



#### CLASSIC +++

Industrial grade performance when grinding an array of metals and steels. Exceptional life and cut rate on carbon and stainless steel. Good performance.

UPC	SIZE	APPLICATION	MAX RPM	STD PKG
70184601501	4 x 1/4 x 5/8	Metal / Stainless	18,000	25
70184601502	4-1/2 x 1/4 x 5/8-11	Concrete	13,580	10
70184601503	4-1/2 x 1/4 x 5/8-11	Metal / Stainless	13,580	10
70184601504	4-1/2 x 1/4 x 7/8	Concrete	13,580	25
70184601505	4-1/2 x 1/4 x 7/8	Metal / Stainless	13,580	25
70184601506	5 x 1/4 x 5/8-11	Metal / Stainless	12,225	10
70184601507	5 x 1/4 x 7/8	Metal / Stainless	12,225	25
70184601508	6 x 1/4 x 5/8-11	Metal / Stainless	10,185	10
70184601509	6 x 1/4 x 7/8	Metal / Stainless	10,185	25





## Multi-Purpose

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

#### CHARGER

++++

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	APPLICATION	MAX RPM	STD PKG
70184601620	12 x 1/8 x 20mm	Asphalt	6,300	10
70184601496	12 x 1/8 x 1/20mm	Concrete	6,300	10
70184601618	12 x 1/8 x 20mm	Concrete	6,300	10
70184601497	12 x 1/8 x 1/20mm	Metal/Stainless	6,300	10
70184601619	12 x 1/8 x 20mm	Metal/Stainless	6,300	10
70184601623	14 x 1/8 x 20mm	Asphalt	5,400	10
70184601498	14 x 1/8 x 1/20mm	Concrete	5,400	10
70184601621	14 x 1/8 x 20mm	Concrete	5,400	10
70184601499	14 x 1/8 x 1/20mm	Ductile	5,400	10
70184601500	14 x 1/8 x 1/20mm	Metal/Stainless	5,400	10
70184601622	14 x 1/8 x 20mm	Metal/Stainless	5,400	10



#### CLASSIC

+++

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

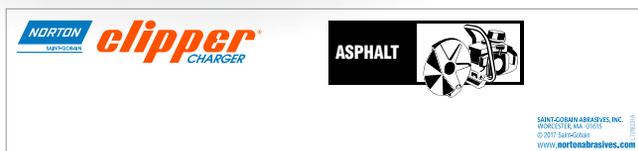
UPC	SIZE	APPLICATION	MAX RPM	STD PKG
70184601486	12 x 1/8 x 1/20mm	Asphalt	6,300	10
70184601487	12 x 1/8 x 1/20mm	Concrete	6,300	10
70184601488	12 x 1/8 x 1/20mm	Ductile	6,300	10
70184601489	12 x 1/8 x 1/20mm	Stainless/Metal	6,300	10
70184601490	14 x 1/8 x 1/20mm	Asphalt	5,400	10
70184601491	14 x 1/8 x 1/20mm	Concrete	5,400	10
70184601492	14 x 1/8 x 1/20mm	Ductile	5,400	10
70184601493	14 x 1/8 x 1/20mm	Stainless/Metal	5,400	10
70184601494	16 x 1/8 x 1/20mm	Concrete	4,700	10
70184601495	16 x 1/8 x 1/20mm	Metal/Stainless	4,700	10



you talked  
**WE LISTENED**



In an effort to help you and your customers more easily identify the right high-speed abrasive wheel for the specific application, we have improved our packaging labels for enhanced application visibility. A color-coded pictogram is prominently displayed on the packaging to ensure the right product is selected every time!





## knock out **THE COMPETITION**

Our Norton patented 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**

The Norton 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.



## Steel & Stainless

General-purpose ferrous metals (steel, iron, welds), stainless steel and other high strength alloys.

### FIBERGLASS BACKING – TYPE 27

#### CHARGER

++++

Better choice for stainless steel, carbon steel, alloys and gray iron.

UPC	SIZE	GRIT / GRADE	STD PKG
70184601591	4-1/2 x 5/8-11	40	10
70184601592	4-1/2 x 5/8-11	60	10
70184601593	4-1/2 x 5/8-11	80	10

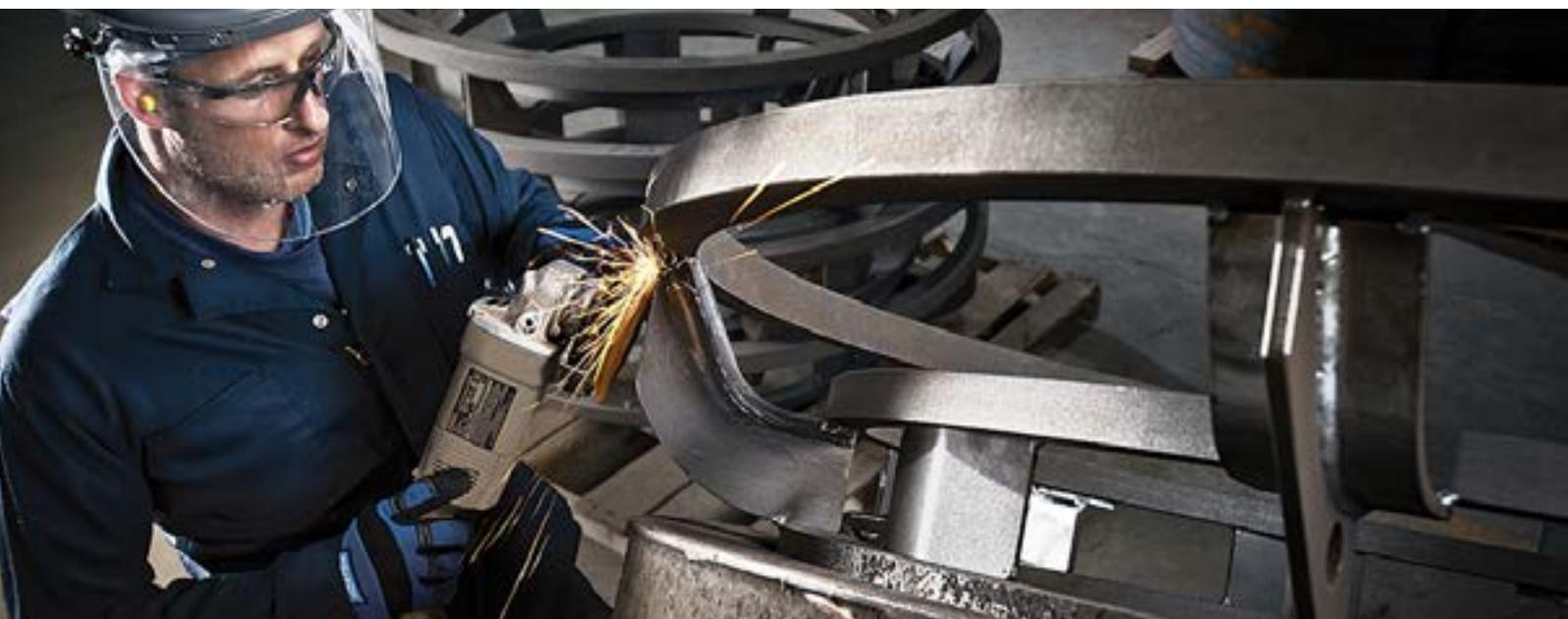


#### CLASSIC

+++

Good choice for steel/ferrous metal and masonry applications with low initial price.

UPC	SIZE	GRIT / GRADE	STD PKG
70184601578	4-1/2 x 5/8-11	36	10
70184601579	4-1/2 x 5/8-11	40	10
70184601580	4-1/2 x 5/8-11	60	10
70184601581	4-1/2 x 5/8-11	80	10
70184601582	4-1/2 x 5/8-11	120	10



## 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.



### RAPID STRIP DISCS - TYPE 27

#### CLASSIC

An open web of thick, strong, synthetic fibers and extra course, smear free abrasive. For cleaning and conditioning of multitude of materials, quickly and easily with very little loading. Perfect for removal of rust, residue and paint.

UPC	SIZE	GRIT / GRADE	STD PKG
70184601594	4-1/2 x 5/8-11	Ex. Coarse	10
70184601595	4-1/2 x 7/8	Ex. Coarse	10





## 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.

### CUP WHEELS - TYPE 11

CLASSIC

+++

Type 11 shape for maximum surface grinding coverage. For heavy stock removal and beveling applications on all types of metal materials.

UPC	SIZE	GRIT	GRAIN	STD PKG
70184601607	4 / 3 x 2 x 5/8-11	16	A0	10
70184601608	5 / 3-3/4 x 2 x 5/8-11	16	A0	5
70184601609	6 / 4-3/4 x 2 x 5/8-11	16	A0	5



### WIRE CUP BRUSHES

CLASSIC

+++

High performance cable crimped cups provide up to 50% longer life and better flexibility on irregular surfaces.

UPC	DESCRIPTION	SIZE	APPLICATION	MAX RPM	STD PKG
70184601610	Crimped Cup	3 x .014 x 5/8-11	Carbon	15,000	6
70184601611	Knotted Cup	2-3/4 x .020 x 5/8-11	Carbon	15,000	6
70184601612	Knotted Cup	4 x .020 x 5/8-11	Carbon	9,000	1
70184601613	Knotted Cup	6 x .020 x 5/8-11	Carbon	6,000	1



### WIRE BENCH WHEELS

CLASSIC

+++

High performance cable crimped bench wheels provide up to 50% longer life and better flexibility on irregular surfaces.

UPC	SIZE	APPLICATION	MAX RPM	STD PKG
70184601614	6 x .014 x 1/2-2 AH	Carbon	6,000	1



### KNOTTED WIRE WHEELS

CLASSIC

+++

Narrow face stringer bead wire deliver high impact cutting and cleaning for the toughest applications. Specially suited for groove and weld bead, corners and t-connections. Large wire wheels clean concrete and asphalt joints and cracks quickly and efficiently before filling or scaling.

UPC	DESCRIPTION	SIZE	APPLICATION	MAX RPM	STD PKG
70184601615	Standard Twist Knot	4 x .020 x 5/8-11	Carbon	20,000	6
70184601616	Stringer Bead Knot	4 x .020 x 5/8-11	Carbon	20,000	6
70184601617	Joint/Crack Cleaning	12 x .035 x 1 - DP	Carbon	4,500	2





# RANGE OVERVIEW



**MODEL#**

CP512-300

CP512-300i

CP514-350

CP514-350i

CE414-350SS

**UPC#**

70184647559

70184647561

70184647563

70184647565

70184694536

**MAXIMUM DEPTH OF CUT**

4"  
(100mm)

5"  
(125mm)

5"  
(125mm)

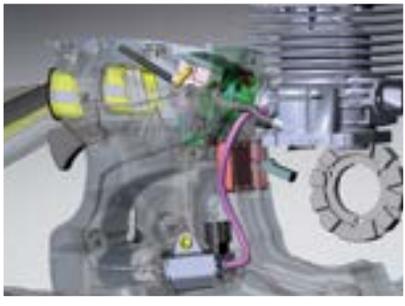
**MAXIMUM HORSEPOWER**

**5.4 HP (4.0 kW)**

**5.4 HP (4.0 kW)**

**4.2 HP (3.1 kW)**

**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 4-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 dust away from the engine and releasing it out the back to keep the saw running clean 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 CP500 high-speed cut-off saw is 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**

PRODUCT #	CP512-300	CP512-300I	CP514-350	CP514-350I
UPC	701846 <b>47559</b>	701846 <b>47561</b>	701846 <b>47563</b>	701846 <b>47565</b>
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			
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 <sup>1</sup>	5.4 hp (4.0 kW)			
Net Horsepower <sup>1</sup>	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			
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			
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 <sup>2,3</sup> L <sub>peg</sub> (EN ISO 19432 Annex B) dB(A)"	98	98	98	98
Sound Power Level <sup>2,3</sup> L <sub>weg</sub> (EN ISO 19432 Annex B) dB(A)	108	108	108	108
"Weighted Effective Acceleration <sup>2,4</sup> a <sub>h<sub>v</sub>,eq</sub> (EN ISO 19432 Annex C) Rear Handle / Top Handle m/s <sup>2</sup> "	4.5 / 6.0	4.5 / 6.0	4.5 / 6.0	4.5 / 6.0

**SAW DIMENSIONS**

Height - in (mm)	16-15/16" (430)	16-15/16" (430)	16-15/16" (430)	16-15/16" (430)
Saw Width - in (mm)	10-1/2" (267)	10-1/2" (267)	10-1/2" (267)	10-1/2" (267)
Maximum Saw Length (Working) - in (mm)	29-17/32" (750)	29-17/32" (750)	30-1/2" (775)	30-1/2" (775)
Weight - Un-crated - lbs (kg)	22.26 (10.1)	22.92 (10.4)	22.49 (10.2)	23.15 (10.5)

**ACCESSORIES**

UPC	SMART PART #	DESCRIPTION
High-Speed Saw Wheel Kit	005101 <b>09845</b>	HSS Wheel Kit
High-Speed Saw Tool Kit	005101 <b>09846</b>	HSS Tool Kit
2.64 Gallon Pressure Water Tank – Metal	003104 <b>64031</b>	Manual Pump, 8ft (2.5m) with Quick Detach Fittings
9.24 Gallon Pressure Water Tank – Plastic	701846 <b>02829</b>	233936 Electric pump, automatic shut off, 34ft (10.4m) hose

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/S<sup>2</sup>

**GENUINE NORTON CLIPPER ABRASIVE WHEEL INCLUDED WITH SAW.**



High-Speed Saw Wheel Kit



High-Speed Saw Tool Kit



2.64 Gallon Pressure Water Tank



Visit our YouTube page for more product information at:  
[www.youtube.com/NortonAbrasives](http://www.youtube.com/NortonAbrasives)

**PRODUCT FEATURES**



**Thermal Protection**

New ultra efficient air intake system keeps the motor cool while keeping out water and dust. Light indicators show low voltage or amperage overload while electronic clutch protects motor and gear set from damage during excessive conditions. The GFCI protects operators from electric shock.



**StableStart**

Smoother start provides better operator control. Motor slowly builds speed during start-up preventing unintentional circuit breaker trips.



**Design**

Strongest motor in class with better ergonomics for easier operation in wet and dry applications, delivering versatility.



The new Norton Clipper CE414-350SS electric high-speed hand-held saw is stronger than the competition. Its powerful 4.2HP motor delivers on the jobsite with a fast cut and ease of operator use. Add on unique design features that keep your saw from motor damage or stalling out and your maintenance needs become fewer and far between. Finish with an unprecedented warranty and you'll wonder why you'd choose anything but Norton Clipper.

**TECHNICAL SPECIFICATIONS**

PRODUCT #	CE414-350SS	NEW
UPC	701846	94536
Blade Guard Capacity - in (mm)	14" (356)	
Maximum Depth of Cut - in (mm)	5" (125)	
Arbor Size - in (mm)	1" (25.4) / 0.78 (20)	
Blade Flange Diameter - in (mm)	4" (100)	
Blade Shaft RPM	3,800	
Blade Shaft Bearings	Heavy-Duty Sealed	
Blade Shaft Drive	Gear Drive	
Control	Hand Held	
Chassis	Electric	
Power Source	115v/60/1 Electric	
Motor/Engine Type	Norton Clipper	
Specifications	CE414-350SS	
Maximum Horsepower <sup>1</sup>	4.2 hp (3.1 kW)	
Net Horse Power <sup>1</sup>	4.2 hp (3.1 kW)	
Starter	Electric	
Engine Cooling	Forced Air	
LED Overload Indicator	Yes	
IC Soft Start	Yes	
Thermal Overload Protection	Yes	
Cord Length - ft (m)	9.8 (3)	
Clutch	Yes	

**SAW DIMENSIONS**

Height - in (mm)	11-1/8" (283)
Saw Width - in (mm)	11-3/8" (288)
Maximum Saw Length (Working) - in (mm)	25-1/4" (11.45)
Weight - Uncrated - lbs (kg)	25.25 (11.6)

1. \*1 DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER
2. 2 IN DETERMINING THE ABOVE VALUES REGARDING ACCELERATION OF VIBRATIONS AND SOUND, THE DIFFERENT OPERATING
3. CONDITIONS WERE WEIGHED IN ACCORDANCE WITH THE CURRENT STANDARDS
4. 3 INSECURITY K PURS. TO EC DIRECTIVE 2006/42/EC: 2.5 DB(A)
5. 4 INSECURITY K PURS. TO EC DIRECTIVE 2006/42/EC: 2 M/S<sup>2</sup>

ACCESSORIES	UPC	SMART PART #
Vac Attachment System for CD414-350SS	701846	02863
		233935

**GENUINE NORTON CLIPPER DIAMOND BLADE INCLUDED WITH SAW.**



Vacuum Attachment System



Vacuum Attachment System Close-up



Visit our YouTube page for more product information at:  
[www.youtube.com/NortonAbrasives](http://www.youtube.com/NortonAbrasives)

**PRODUCT FEATURES**



**Advanced Design**

Constructed with heavy-duty long life components and advanced design which creates a cart that allows for faster cuts, straighter cuts, less blade climb and the ultimate cutting experience.

**Advanced Motor Adapter Plate**

The SPEEDY CART is the world's first truly flexible high-speed saw cart with its optional advanced motor adapter plate system allowing the attachment of the Norton Clipper series and other popular high-speed saws to allow for the utmost utilization on the job site.

**Steel Hub Wheels**

The SPEEDY CART features steel hub wheels with real bearings for smoother rolling, straighter cuts, and easier operation than competitive models with plastic wheels and no bearings.



**TECHNICAL SPECIFICATIONS**

PRODUCT DESCRIPTION	UPC	SMART PART #
SPEEDY CART with Norton Clipper High-Speed Saw Adapter (Fits Norton Clipper CP500 Series Gas Saws)	701846 <b>02411</b>	SPEEDYCART
SPEEDY CART with Stihl High-Speed Saw Adapter (Fits Stihl TS420/TS400/TS500)	701846 <b>07564</b>	701846 <b>07564</b>
SPEEDY CART with Husqvarna High-Speed Saw Adapter (Fits Husqvarna K760/K760 Oil Guard/K770/K770 Oil Guard/ K770 VAC)	701846 <b>07565</b>	701846 <b>07565</b>
SAWS	UPC	SMART PART #
Norton Clipper 14" iLube High-Speed Cut-off Saw (SPEEDY CART not included.)	701846 <b>47565</b>	CP514-350i
Norton Clipper 14" Standard High-Speed Cut-off Saw (SPEEDY CART not included.)	701846 <b>47563</b>	CP514-350
ACCESSORIES	UPC	SMART PART #
Adapter for Norton Clipper CP500 Series Gas Saws (Cable & attachment hardware included. Saw not included.)	003105 <b>01669</b>	201409-138
Adapter for Stihl Series TS420 (Cable & attachment hardware included. Saw not included.)	003105 <b>01671</b>	310501671
Adapter for Husqvarna K760 and K770 Series Gas Saws (Cable & attachment hardware included. Saw not included.)	003105 <b>01670</b>	310501670
Rear mud flap kit	003105 <b>01673</b>	310501673
Front pointer assembly with attachment hardware	003105 <b>01674</b>	310501674



# INFILTRATED HIGH-DENSITY DIAMOND BLADES

A new patented technology with longer blade life, faster cutting power, increased safety, and lower energy required for a high-quality result.



## A STREAMLINED 2-STEP PROCESS

1

Form the segment core structure

2

Infiltrate the segment pores with exclusive bonding agent.

### RESULT

A composite material with enhanced properties for limitless segment design.

## UNIQUE PATENTED LASER WELDING WITH INFILTRATED SEGMENTS

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

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

The simplified process also means increased segment design flexibility resulting in greater diversification of diamond blade shapes to best suit applications and materials being 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.

### 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
70184645927	4X4MC12118	12 x .118 x 1/20mm	6300	.472"
70184645926	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
70184684548	4X412110	12 x .110 x 1/20mm	6300	.393"
70184684547	4X414118	14 x .118 x 1/20mm	5460	.393"
70184645306	4X416125	16 x .125 x 1/20mm	4500	.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. Not recommended to cut metal.



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
70184647500	3X312110	12 x .110 x 1/20mm	6300	.315"
70184647499	3X314118	14 x .118 x 1/20mm	5460	.315"



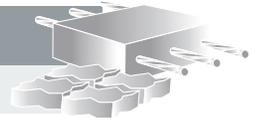
## proven performance 4X4 MAX CUT



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
70184684217	DUOEVO12110	12 x .110 x 1/20mm	6300	.590"
70184684218	DUOEVO14118	14 x .118 x 1/20mm	5460	.590"
70184693356	DUOEVO16125	16 x .130 x 1/20mm	4500	.590"



### 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
70184683611	DUO12110	12 x .110 x 1/20mm	6300	.393"
70184683612	DUO14110	14 x .110 x 1/20mm	5460	.393"
70184684430	DUO14110 6PK	14 x .110 x 1/20mm	5460	.393"
70184683613	DUO14125	14 x .125 x 1/20mm	5460	.393"
70184684432	DUO14125 6PK	14 x .125 x 1/20mm	5460	.393"
70184683798	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
70184684543	DUOASP12110	12 x .110 x 1/20mm	6300	.590"
70184684315	DUOASP14125	14 x .125 x 1/20mm	5460	.590"
70184684544	DUOASP16125	16 x .125 x 1/20mm	4500	.590"



### 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
70184684291	DUOAB14110	14 x .110 x 1/20mm	5460	.327"
70184684292	DUOAB14125	14 x .125 x 1/20mm	5460	.327"



### 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
07660701231	CHDASP1420	14 x .125 x 1/20mm	5460	.315"
70184684429	COHSABR1420	14 x .125 x 1/20mm	5460	.393"
07660701230	CHDASP1620	16 x .125 x 1/20mm	4500	.256"



### VALUPLUS NEW

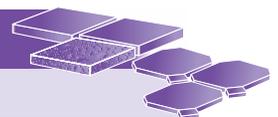
Dry cutting sintered segmented blade for abrasive materials. Drop-segment wear-retardant extends life of core. Economically priced with good performance in asphalt, green concrete and other abrasive materials.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
70184603333	VPHSABR14125	14 x .125 x 1/20mm	5460	.452"



## 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 diamond 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	RIM HEIGHT
70184683785	AEROHS1420	14 x .125 x 1/20mm	5460	.590"





## 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 <b>56267</b>	CGHSGP1420	14 x .125 x 1/20mm	5460	.315"
076607 <b>01229</b>	CGHSGP1620	16 x .125 x 1/20mm	4500	.256"



#### 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 <b>81383</b>	COHSGP1220	12 x .110 x 1/20mm	6300	.256"
701846 <b>81309</b>	COHSGP1420	14 x .110 x 1/20mm	5460	.256"
701846 <b>84268</b>	COHSGP1420P	14 x .125 x 1/20mm	5460	.256"
701846 <b>40356</b>	COHSGP1620	16 x .125 x 1/20mm	4500	.256"



#### 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 <b>84465</b>	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 <b>84180</b>	VPHSGP1220	12 x .110 x 1/20mm	6300	.393"
701846 <b>84181</b>	VPHSGP1420	14 x .110 x 1/20mm	5460	.393"
701846 <b>84428</b>	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 <b>84525</b>	CGHSTS1420	14 x .125 x 1/20mm	5460	.472"



## 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.

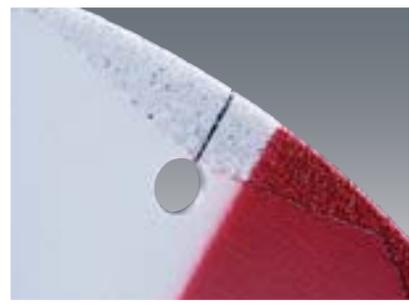
UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
70184684426	NXHSRR1220	12 x .140 x 1/20mm	6300	.275"
70184684361	NXHSRR1420	14 x .140 x 1/20mm	5460	.275"



## 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 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.

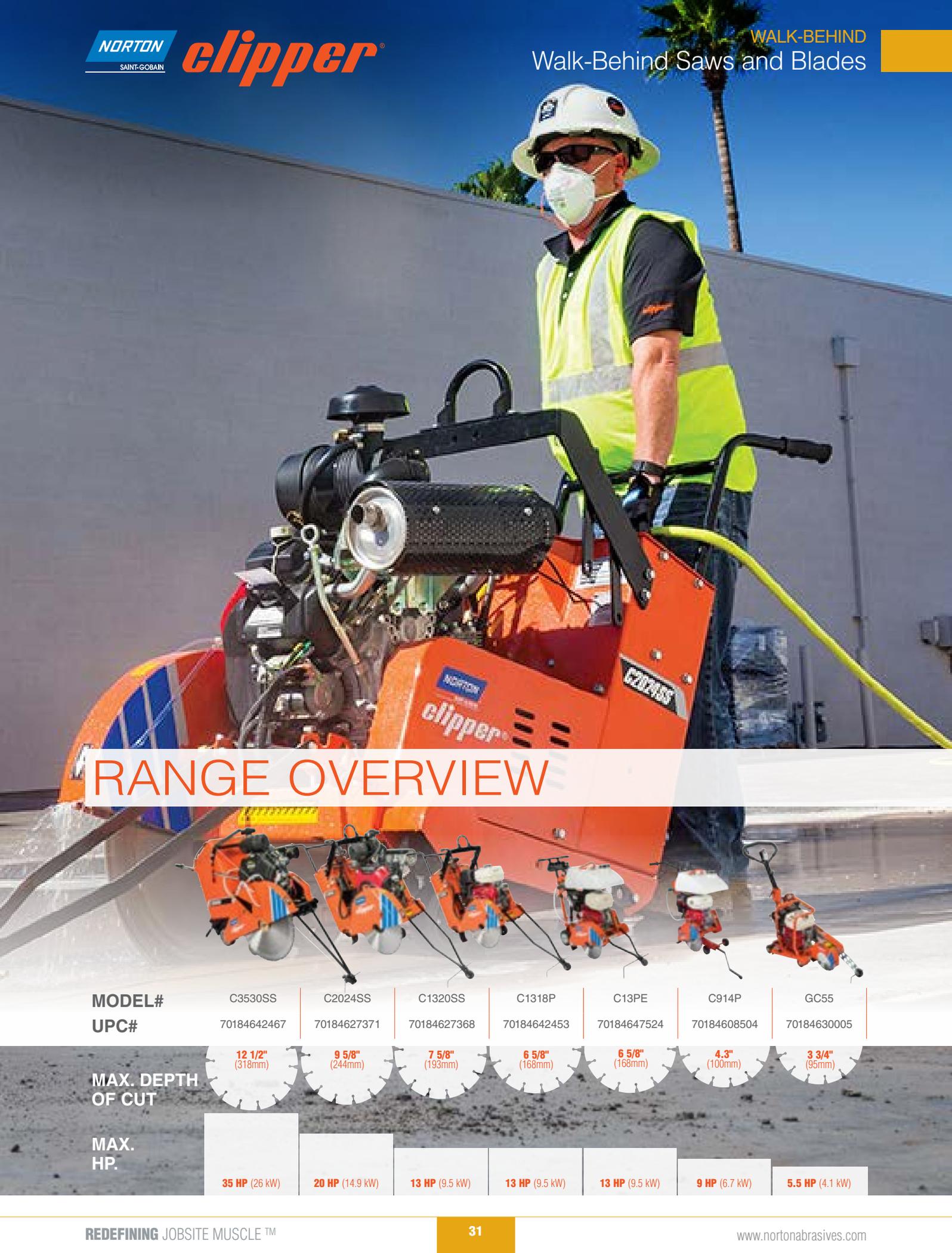
#### DIALAST NEW



Vacuum brazed segments laser welded to steel core for maximum attachment strength for hand-held saw applications. Radially cut segments for less vibration. Advanced segment design with vent holes to provide enhanced cooling when cutting dry in hard and non-ferrous materials.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
70184602503	NDLAST14125	14 x .125 x 1/20mm	5400	.123"
70184602504	NDLAST16125	16 x .125 x 1/20mm	4725	.123"



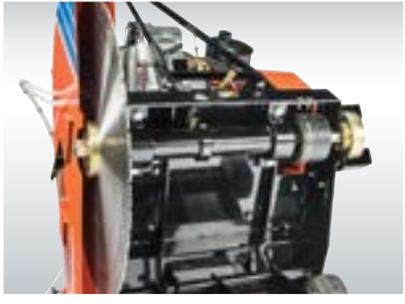


# RANGE OVERVIEW



<b>MODEL#</b>	C3530SS	C2024SS	C1320SS	C1318P	C13PE	C914P	GC55
<b>UPC#</b>	70184642467	70184627371	70184627368	70184642453	70184647524	70184608504	70184630005
<b>MAX. DEPTH OF CUT</b>	12 1/2" (318mm)	9 5/8" (244mm)	7 5/8" (193mm)	6 5/8" (168mm)	6 5/8" (168mm)	4.3" (100mm)	3 3/4" (95mm)
<b>MAX. HP.</b>	35 HP (26 kW)	20 HP (14.9 kW)	13 HP (9.5 kW)	13 HP (9.5 kW)	13 HP (9.5 kW)	9 HP (6.7 kW)	5.5 HP (4.1 kW)

**PRODUCT FEATURES**



**Oil Bath Blade Shaft**

Sealed oil bath blade shaft eliminates 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**

PRODUCT #	C3526SS	C3530SS
UPC	701846 <b>42466</b>	701846 <b>42467</b>
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" x 2-1/2" x 1" (152 x 64 x 25)	
Wheels – Rear D x W x B – in (mm)	8" x 2-1/2" x 1" (203 x 64 x 25)	
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**

	UPC	SMART PART #
20" Blade Guard	701846 <b>43382</b>	<b>246006</b>
26" Blade Guard	701846 <b>44384</b>	<b>246218</b>
30" Blade Guard	701846 <b>44385</b>	<b>246219</b>
Light Kit w/magnetic base	701846 <b>47436</b>	<b>170304</b>
Water Pump Kit	701846 <b>45877</b>	<b>246292</b>

\*= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER



Blade Guard



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

PRODUCT #	C2020SS	C2024SS
UPC	701846 <b>27370</b>	701846 <b>27371</b>
Blade Guard Capacity – in. (mm)	20" (356)	24" (406)
Maximum Depth of Cut – in. (mm)	7-5/8" (193)	9-5/8" (244)
Arbor Size – in. (mm)	1" (25)	1" (25)
Blade Flange Diameter – in. (mm)	4-1/2" (114)	4-1/2" (114)
Blade Shaft 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" x 2" x 3/4" (127 x 50 x 19)	
Wheels – Rear D x W x B – in. (mm)	6" x 2" x 3/4" (152 x 50 x 19)	
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 GX630	
Specifications	GX630RHTXF2	
Maximum Horsepower	20.8 HP (15.5 kW)	
Net Horsepower	18.1 HP (13.5 kW) – *	
Displacement – cu. In. (l)	41.9 cu in (0.688 l)	
Bore – in. (mm)	3.1" (78)	
Stroke – in. (mm)	2.8" (72)	
Cylinders/Cycle	Two Cylinder 4 Cycle	
Fuel Capacity – gal (l)	2.12 gal. (8.03 l)	
Oil Capacity – qt (l)	2.1 qt. (2.0 l)	
Air Filter	Three Stage Honda	
Starter	Electric	
Engine Cooling	Forced Air	
SAW DIMENSIONS		
Height	40" (1,016)	40" (1,016)
Minimum Saw Length (Transport) – in. (mm)	56" (1,142)	56" (1,142)
Maximum Saw Length (Working) – in. (mm)	114" (2,896)	114" (2,896)
Maximum Pointer Length – in. (mm)	40" (1,016)	40" (1,016)
Frame Width – in. (mm)	17" (432)	17" (432)
Saw Width – in. (mm)	26" (660)	26" (660)
Front (Outside to Outside Wheel Width) – in. (mm)	14-3/16" (360)	14-3/16" (360)
Rear (Outside to Outside Wheel Width) – in. (mm)	15-1/4" (388)	15-1/4" (388)
Blade to Wall – in. (mm)	2-9/16" (65)	2-9/16" (65)
Wheel Base Length – in. (mm)	16-1/6" (407)	16-1/6" (407)
Weight Crated – lbs (kg)	468 (212)	468 (212)
Weight Uncrated – lbs (kg)	428 (195)	428 (195)
ACCESSORIES		
Water Tank Kit for 13HP & 20HP	UPC 701846 <b>28014</b>	SMART PART # <b>238001</b>

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



Water Tank 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.



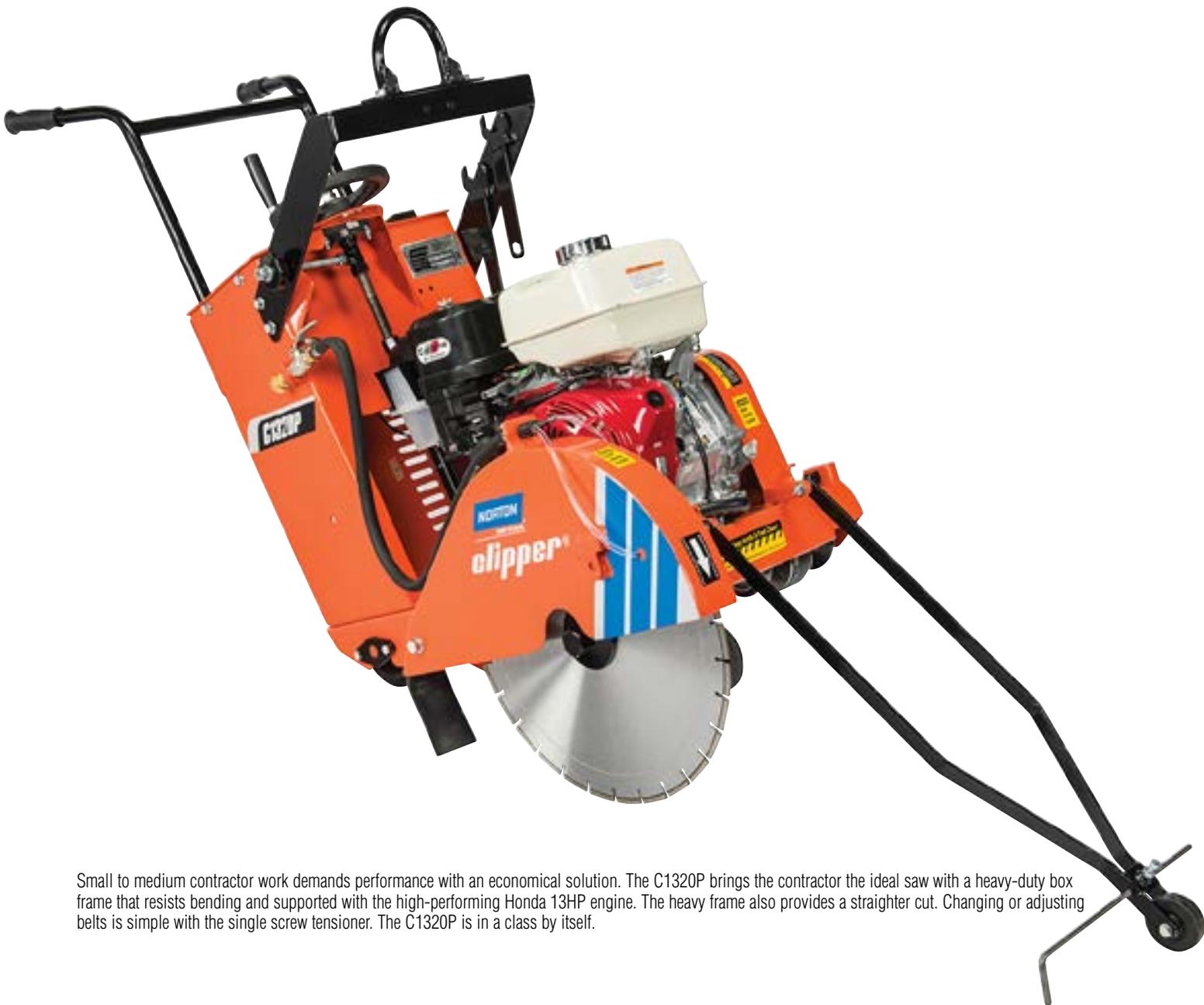
**Four V-Belts**

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 #	C1320P	
UPC	701846 <b>42456</b>	
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	2,520 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" x 2" x 3/4" (127 x 50 x 19)	
Wheels – Rear D x W x B – in (mm)	6" x 2" x 3/4" (152 x 50 x 19)	
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	UPC	SMART PART #
Water Tank Kit for 13HP & 20HP	701846 <b>28014</b>	<b>238001</b>

\*= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER

**GENUINE NORTON CLIPPER DIAMOND BLADE INCLUDED WITH SAW.**



Water Tank Kit

**PRODUCT FEATURES**



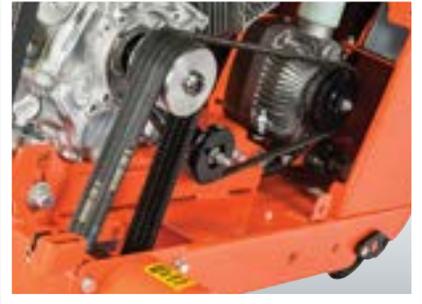
**Pivoting Blade Guard**

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**

PRODUCT #	C1320SM	C1320SS
UPC	701846 <b>27366</b>	701846 <b>27368</b>
Blade Guard Capacity – in. (mm)	20" (356)	20" (356)
Maximum Depth of Cut – in. (mm)	7-5/8" (193)	7-5/8" (193)
Arbor Size – in. (mm)	1" (25)	1" (25)
Blade Flange Diameter – in. (mm)	4-1/2" (114)	4-1/2" (114)
Blade Shaft 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" x 2" x 3/4" (127 x 50 x 19)	
Wheels – Rear D x W x B – in. (mm)	6" x 2" x 3/4" (152 x 50 x 19)	
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	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	Two Stage Honda
Starter	Manual	Electric
Engine Cooling	Air	
SAW DIMENSIONS		
Height	40" (1,016)	40" (1,016)
Minimum Saw Length (Transport) – in. (mm)	56" (1,142)	56" (1,142)
Maximum Saw Length (Working) – in. (mm)	114" (2,896)	114" (2,896)
Maximum Pointer Length – in. (mm)	40" (1,016)	40" (1,016)
Frame Width – in. (mm)	17" (432)	17" (432)
Saw Width – in. (mm)	26" (660)	26" (660)
Front (Outside to Outside Wheel Width) – in. (mm)	14-3/16" (360)	14-3/16" (360)
Rear (Outside to Outside Wheel Width) – in. (mm)	15-1/4" (388)	15-1/4" (388)
Blade to Wall – in. (mm)	2-9/16" (65)	2-9/16" (65)
Wheel Base Length – in. (mm)	16-1/6" (407)	16-1/6" (407)
Weight Crated – lbs (kg)	425 (193)	445 (202)
Weight Uncrated – lbs (kg)	385 (175)	405 (175)
ACCESSORIES	UPC	SMART PART #
Water Tank Kit for 13HP & 20HP	701846 <b>28014</b>	<b>238001</b>

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



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 6.5 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**

PRODUCT #	C1318P
UPC	70184642453
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)	25/32" (20)
Axle – Rear – in (mm)	25/32" (20)
Wheels – Front D x W x B – in (mm)	4-59/64" x 1-31/32" x 25/32" (125 x 50 x 20)
Wheels – Rear D x W x B – in (mm)	8" x 1-1/4" x 25/32" (203 x 32 x 20)
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)	16-57/64" (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

**GENUINE NORTON CLIPPER DIAMOND BLADE INCLUDED WITH SAW.**



Visit our YouTube page for more product information at:  
[www.youtube.com/NortonAbrasives](http://www.youtube.com/NortonAbrasives)

## PRODUCT FEATURES



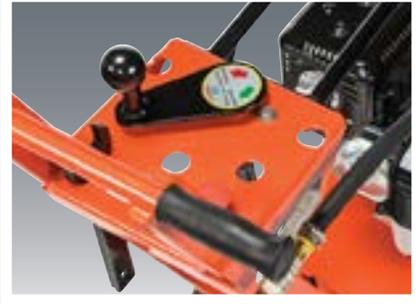
### Fast Release Guard

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 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**

PRODUCT #	C13PE
UPC	701846 <b>47524</b>
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	2,700
Blade Shaft Diameter - in (mm)	1.00" (25.4)
Blade Shaft Bearings	Heavy Duty Pillow Block
Blade Shaft Drive	3 Belts
Blade Guard Attachment	Hinged, All Steel
Blade Control	Hand Wheel/Screw Feed
Axle - Front - in (mm)	3/4" (19)
Axle - Rear - in (mm)	3/4" (19)
Wheels - Front - in (mm) D x W x B	4" x 1.5" x 3/4" (102 x 38 x 19)
Wheels - Rear - in (mm) D x W x B	8" x 2.50" x 3/4" (203 x 64 x 19)
Handle Bars/Adjustment Length - in (mm)	-NA-
Water Tank Capacity - gal (l)	-NA-
Control	Push
Chassis	Heavy Duty Box Design
Power Source	Gasoline, Single Cylinder 4 Cycle
Motor/Engine Type	Honda GX390
Specifications	GX390K1QXC9
Maximum Horsepower*	13 HP (9.5 kW)
Net Horse Power*	11 HP (8.2 kW)
Displacement - cu In (l)	23.7 cu in (0.39 l)
Bore - in (mm)	3-1/2" (88)
Stroke - in (mm)	2-1/2" (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 - in (mm)	38-13/16" (986)
Minimum Saw Length (Transport) - in (mm)	42-3/4" (1086)
Maximum Saw Length (Working) - in (mm)	63" (1600)
Maximum Pointer Length - in (mm)	20" (508)
Frame Width - in (mm)	16-1/2" (419)
Saw Width - in (mm)	21-27/64" (544)
Front (Outside to Outside Wheel Width) - in (mm)	14-17/32" (369)
Rear (Outside to Outside Wheel Width) - in (mm)	19-9/32" (490)
Blade to Wall - in (mm)	1-23/32" (44)
Wheel Base Length - in (mm)	15-3/4" (400)
Weight Crated - lbs. (kg)	240 (109)
Weight - Uncrated - lbs (kg)	220 (100)

\*= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER

**GENUINE NORTON CLIPPER DIAMOND BLADE INCLUDED WITH SAW.**

**PRODUCT FEATURES**



**Adjustable Height Handle Bars**  
Stay-level handle bar system adjusts to four different positions for the utmost in operator comfort.



**Quick Belt Tensioning**  
Easy to change V belts for fast and accurate belt tensioning.



**Water Supply**  
Includes a water tank with garden hose fitting.



With extreme reliability, portability, and strong performance, the new full featured Norton Clipper C914P walk-behind saw is redefining the compact concrete saw class. The powerful Honda 9HP engine, 14" maximum blade capacity, and the strongest chassis in class make for the fastest and straightest cuts every time. Designed for easy transportation, simple operation, and low maintenance, the C914P is the right choice for contractors and rental. The C914P is equally at home cutting concrete, sidewalks, asphalt, or decorative concrete making it the perfect saw for any job.

**TECHNICAL SPECIFICATIONS**

PRODUCT #	C914P	NEW
UPC	70184608504	
Blade Guard Capacity - in. (mm)	14" (350)	
Maximum Depth of Cut - in. (mm)	4-1/2" (114)	
Arbor Size - in. (mm)	1" (25.4)	
Blade Flange Diameter - in. (mm)	4" (107)	
Blade Shaft RPM	2,840	
Blade Shaft Diameter - in. (mm)	7/8" (22)	
Blade Shaft Bearings	Heavy Duty Pillow Block	
Blade Shaft Drive	3 Belts	
Blade Guard Attachment	Hinged, All Steel	
Blade Control	Hand Wheel/Screw Feed	
Axle - Front - in (mm)	19/32" (15)	
Axle - Rear - in (mm)	25/32" (20)	
Wheels - Front - in (mm) D x W x B	3-15/16" x 1-3/8" x 0.59" (100 x 35 x 15)	
Wheels - Rear - in (mm) D x W x B	7-7/8" x 1-49/64" x 0.79" (200 x 45 x 20)	
Handle Bars/Adjustment Length	9-29/64" (245)	
Control	Push	
Chassis	Heavy Duty Box Design	
Water Tank Capacity - gal (l)	6.6 (25)	
Power Source	Gasoline, Single Cylinder 4 Cycle	
Motor/Engine Type	Honda	
Maximum Horsepower* (kW)	9 (6.7)	
Net Horse Power* (kW)	6.5 (4.8)	
Displacement - cu In (l)	16.5 (0.27)	
Bore - in (mm)	3.0 (77)	
Stroke - in (mm)	2-5/16" (58)	
Cylinders/Cycle	Single Cylinder 4 Cycle	
Fuel Capacity - gal (l)	1.4 (5.3)	
Oil Capacity - qt (l)	0.29 (1.1)	
Airfilter	Four Stage Cyclone	
Starter	Manual	
Engine Cooling	Forced Air	
SAW DIMENSIONS		
Height - in (mm)	37-59/64" (963)	
Minimum Saw Length (Transport) - in (mm)	35-37/64" (929)	
Maximum Saw Length (Working) - in (mm)	57-55/64" (1,469)	
Maximum Pointer Length - in (mm)	21-9/32" (541)	
Frame Width - in (mm)	12-47/64" (323)	
Saw Width - in (mm)	19" (483)	
Front (Outside to Outside Wheel Width) - in (mm)	12-47/64" (323)	
Rear (Outside to Outside Wheel Width) - in (mm)	13-45/64" (348)	
Blade to Wall - in (mm)	1-3/8" (35)	
Wheel Base Length - in (mm)	17-21/64" (440)	
Weight Crated - lbs. (kg)	198.4 lbs (90.6 kg)	
Weight - Uncrated - lbs (kg)	169.4 lbs (77 kg)	

\*= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER

**GENUINE NORTON CLIPPER DIAMOND BLADE INCLUDED WITH SAW.**

**PRODUCT FEATURES**



**Gasoline Engine**

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



**Front Blade Mount**

10" blade guard capacity. Additional weight helps keep the blade in the cut.



**Fold-Down Design**

Easy storage and transport.



Having a powerful Honda 5HP engine, the GC55 saw cuts faster than any other saw we have. The roller system allows you to roll on a concrete slab and cut a straight line without any difficulty. The weight of the saw is fantastic, making it an extremely portable machine.

– Tony Psencik, Suncoast Post-Tension, Ltd.



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. Now available in two models; our standard GC55 or our new GC55 VAC with Vacuum Attachment System. The GC55 and GC55 VAC include a wet kit for additional dust control.

## TECHNICAL SPECIFICATIONS

PRODUCT #	GC55	GC55VAC	NEW
UPC	701846 <b>30005</b>	701846 <b>02860</b>	
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" x 2-3/4" x 25/32" (85 x 70 x 20)		
Wheels – Rear – in. (mm) D x W x B	3-3/8" x 2-3/4" x 25/32" (85 x 70 x 20)		
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)	34-1/2" (876)
Maximum Saw Length (Working) – in. (mm)	42-29/32" (1,090)	51-29/32" (1,318)
Maximum Pointer Length – in. (mm)	8-7/32" (209)	
Frame Width – in. (mm)	13-11/16" (348)	17-13/32" (442)
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)	145 (66)
Weight Uncrated – lbs (kg)	115 (52)	125 (57)

## ACCESSORIES

	UPC	SMART PART #
GC55 Vacuum Attachment Accessory Kit	701846 <b>02861</b>	<b>233933</b>

(Includes: Fully assembled cutting arm with belt guard, belt, and blade shaft. Blade guard with vacuum port and skirt, stay level arm, and all hardware. Does not include GC55 saw, vacuum or wet kit.

\*= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER

**GENUINE NORTON CLIPPER DIAMOND BLADE INCLUDED WITH SAW.**



Visit our YouTube page for more product information at:  
[www.youtube.com/NortonAbrasives](http://www.youtube.com/NortonAbrasives)

**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.



**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 GC25E UP 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 GC25E UP is the perfect saw for any concrete surface or decorative contractor need.

**TECHNICAL SPECIFICATIONS**

PRODUCT #	GC25E UP
UPC	701846 <b>42445</b>
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" x 2-3/4" x 25/32" (85 x 70 x 20)
Wheels – Rear – in (mm) D x W x B	3-3/8" x 2-3/4" x 25/32" (85 x 70 x 20)
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" (1,090)
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

**GENUINE NORTON CLIPPER DIAMOND BLADE INCLUDED WITH SAW.**

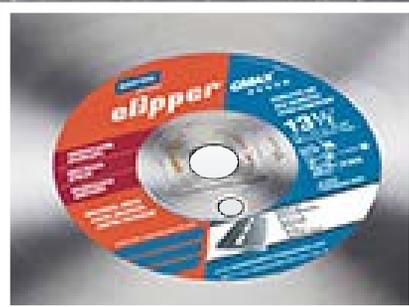
# GMAX DIAMOND BLADES

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.



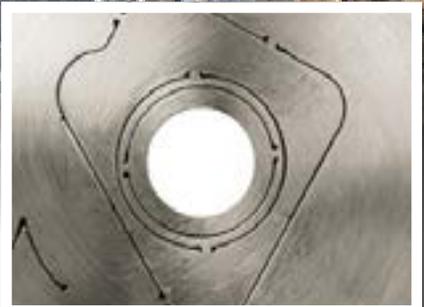
### Anchor Slot Gullet Technology

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



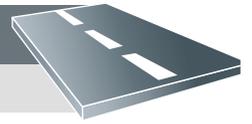
### Thicker Core

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 (PURPLE)

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	MAX POWER
70184641868	6 x .110 x 1-5/8 SC	10185	.413"	4.3hp
70184641863	8 x .110" x 1-7/8-5/8 SC	7640	.413"	6hp
70184641860	10 x .110 x 1-7/8-5/8 SC	6115	.413"	13hp



#### GMAX – MEDIUM/HARD AGGREGATE (RED)

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's anchor slot gullet design to reduce spalling, ensures a smooth, flawless cut.

UPC	SIZE	MAX RPM	SEGMENT HEIGHT	MAX POWER
70184641867	6 x .110 x 1-5/8 SC	10185	.413"	4.3hp
70184641864	8 x .110" x 1-7/8-5/8 SC	7640	.413"	6hp
70184641862	10 x .110 x 1-7/8-5/8 SC	6115	.413"	13hp



#### GMAX – MEDIUM/SOFT AGGREGATE (YELLOW)

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

UPC	SIZE	MAX RPM	SEGMENT HEIGHT	MAX POWER
70184641866	6 x .110 x 1-5/8 SC	10185	.413"	4.3hp
70184641865	8 x .110" x 1-7/8-5/8 SC	7640	.413"	6hp
70184641861	10 x .110 x 1-7/8-5/8 SC	6115	.413"	13hp



### DRY – GREEN/CURED CONCRETE

#### GMAX – MULTI-PURPOSE

Designed specifically for our GC55 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	MAX POWER
70184683758	NXDGRN0895	8 x .095 x 7/8-5/8	7640	.393"	6hp
70184675125	EE9110	9 x .110 x 7/8-5/8	6790	.275"	6hp
70184684508	EE10110	10 x .110 x 1-7/8-5/8	6115	.275"	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 46 for details.





## Asphalt and Abrasive Materials

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

### 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	MAX POWER
70184681419	CGDGRN1201	12 x .125 x 1	5095	.263"	20hp
70184681420	CGDGRN1401	14 x .125 x 1	4365	.263"	20hp



### DRY – ASPHALT +

#### 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	MAX POWER
70184681412	CGDASP1420	14 x .125 x 1/20mm	5460	.288"	20hp



### DRY – ASPHALT AND CONCRETE +

#### CLASSIC

Ideal blade for small-to-medium size jobs on low horsepower machines. Drop segment undercut protection reduces core wear when wet cutting in abrasive materials. Economically priced with good productivity in abrasive materials.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	MAX POWER
70184603329	CHDAO1812	18 x .125 x 1	3395	.472"	20hp
70184603330	CHDAO2015	20 x .150 x 1	3055	.472"	20hp



### 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
70184683856 6	CGCC0400	4 x .375 x 7/8-5/8-20mm	15000	.550"
70184683859 7	CGCC0700	7 x .375 x 7/8-5/8-20mm	8730	.550"





## Asphalt and Abrasive Materials

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

### WET – GREEN CONCRETE



#### 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	MAX POWER
70184681474	CHWGGP1412	14 x .125 x 1	4365	.295"	35hp
70184681475	CHWGGP1812	18 x .125 x 1	3395	.393"	35hp



### 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	MAX POWER
70184681478	CGWASP1412	14 x .125 x 1	4365	.327"	35hp
70184683912	CGWASP1612	16 x .125 x 1	3820	.307"	35hp
70184681479	CGWASP1812	18 x .125 x 1	3395	.307"	35hp
70184683927	CGWASP2417	24 x .175 x 1	2550	.307"	35hp
70184683928	CGWASP2615	26 x .155 x 1	2350	.307"	35hp
70184683929	CGWASP3017	30 x .175 x 1	2040	.307"	35hp
70184684024	CGWASP3618	36 x .187 x 1	1700	.307"	35hp



#### 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	MAX POWER
70184681374	CHWASP1411	14 x .110 x 1	5400	.326"	35hp
70184681375	CHWASP1412	14 x .125 x 1	4365	.326"	35hp
70184683895	CHWASP1612	16 x .125 x 1	3820	.326"	35hp
70184681376	CHWASP1812	18 x .125 x 1	3395	.326"	35hp
70184683897	CHWASP2012	20 x .125 x 1	3055	.326"	35hp
70184681476	CHWASP2415	24 x .155 x 1	2550	.326"	35hp
70184683900	CHWASP2418	24 x .187 x 1	2550	.326"	35hp
70184683899	CHWASP2615	26 x .155 x 1	2350	.326"	35hp
70184683903	CHWASP3018	30 x .187 x 1	2040	.326"	35hp



### 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	MAX POWER
70184681485	CGWAOAC1412	14 x .125 x 1	4365	.326"	35hp
70184681486	CGWAOAC1812	18 x .125 x 1	3395	.307"	35hp
70184681487	CGWAOAC2415	24 x .155 x 1	2550	.307"	35hp
70184683395	CGWAOAC2617	26 x .175 x 1	2350	.307"	35hp
70184683396	CGWAOAC3018	30 x .187 x 1	2040	.307"	35hp
70184683397	CGWAOAC3618	36 x .187 x 1	1700	.307"	35hp





## Asphalt and Abrasive Materials

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

### WET – ASPHALT OVER CONCRETE

#### 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	MAX POWER
70184681482	CHWAOC1412	14 x .125 x 1	4365	.326"	35hp
70184681483	CHWAOC1812	18 x .125 x 1	8725	.326"	35hp



## 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	MAX POWER
70184681366	CGWCMD1412	14 x .125 x 1	4365	.327"	35hp
70184681368	CGWCMD1812	18 x .125 x 1	3395	.327"	35hp
70184683965	CGWCMD2012	20 x .125 x 1	3055	.413"	35hp
70184681468	CGWCMD2415	24 x .155 x 1	2550	.413"	35hp
70184681472	CGWCMD2615	26 x .155 x 1	2350	.413"	35hp
70184683969	CGWCMD3618	36 x .187 x 1	1700	.413"	35hp



#### 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	MAX POWER
70184681358	CHWCGP1411	14 x .110 x 1	4365	.326"	35hp
70184681359	CHWCGP1412	14 x .125 x 1	4365	.327"	35hp
70184681360	CHWCGP1612	16 x .125 x 1	3820	.327"	35hp
70184681361	CHWCGP1812	18 x .125 x 1	3395	.327"	35hp
70184681362	CHWCGP2012	20 x .125 x 1	3055	.327"	35hp
70184681465	CHWCGP2415	24 x .155 x 1	2550	.327"	35hp
70184683833	CHWCGP2615	26 x .155 x 1	2350	.307"	35hp
70184683386	CHWCGP3017	30 x .175 x 1	2040	.307"	35hp





## 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	MAX POWER
701846 <b>46319</b> RDS	C1170	18 x .125 x 1	Soft	.460"	35 - 48hp
701846 <b>46410</b>	C2570	18 x .155 x 1	Hard	.460"	66hp
701846 <b>46376</b>	C2170	20 x .155 x 1	Soft	.457"	66hp
701846 <b>46394</b>	C2370	20 x .155 x 1	Medium	.460"	66hp
701846 <b>46395</b> RDS	C2370R	24 x .155 x 1	Medium	.421"	66hp
701846 <b>46325</b> RDS	C1170R	26 x .155 x 1	Soft	.460"	35 - 48hp
701846 <b>46397</b> RDS	C2370R	26 x .155 x 1	Medium	.460"	35 - 48hp
701846 <b>46326</b> RDS	C1170R	26 x .165 x 1	Soft	.460"	35 - 48hp
701846 <b>46398</b> RDS	C2370R	26 x .165 x 1	Medium	.500"	66hp
701846 <b>46384</b> RDS	C2160R	36 x .187 x 1	Soft	.539"	66hp
701846 <b>46388</b>	C2370	14 x .125 x 1	Medium	.460"	66hp
701846 <b>46424</b>	C2680	14 x .125 x 1	Hard	.510"	66hp
701846 <b>46337</b>	C1370	18 x .125 x 1	Medium	.460"	35 - 48hp
701846 <b>46374</b>	C2170	18 x .155 x 1	Soft	.460"	66hp
701846 <b>46392</b>	C2370	18 x .155 x 1	Medium	.460"	66hp
701846 <b>46430</b>	C2680HRAS	20 x .155 x 1	Hard	.510"	66hp
701846 <b>46323</b> RDS	C1170R	24 x .155 x 1	Soft	.457"	35 - 48hp
701846 <b>47288</b>	C1370	24 x .175 x 1	Medium	.460"	35 - 48hp
701846 <b>46361</b> RDS	C1570R	26 x .155 x 1	Hard	.457"	35 - 48hp
701846 <b>46382</b> RDS	C2170R	30 x .165 x 1	Soft	.421"	66hp
701846 <b>46400</b> RDS	C2370R	30 x .165 x 1	Medium	.540"	66hp
701846 <b>46912</b> RDS	C3580	30 x .165 x 1	Hard	.540"	66hp
701846 <b>47390</b> RDS	C2770R	30 x .175 x 1	Medium	.460"	66hp
701846 <b>46402</b> RDS	C2360R	36 x .187 x 1	Medium	.413"	66hp
701846 <b>46420</b> RDS	C2560R	36 x .187 x 1	Hard	.410"	66hp
701846 <b>46475</b> RDS	C3360R	42 x .190 x 1	Medium	.540"	66hp
701846 <b>46386</b> RDS	C2160R	48 x .190 x 1	Soft	.410"	66hp

#### 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	MAX POWER
701846 <b>81363</b>	CGWCHD1411	14 x .110 x 1	4365	.410"	35hp
701846 <b>81365</b>	CGWCHD1412	14 x .125 x 1	4365	.327"	35hp
701846 <b>81367</b>	CGWCHD1812	18 x .150 x 1	3395	.590"	35hp
701846 <b>83918</b>	CGWCHD2012	20 x .150 x 1	3055	.590"	35hp
701846 <b>81467</b>	CGWCHD2415	24 x .150 x 1	2550	.590"	35hp
701846 <b>83919</b>	CGWCHD2417	24 x .150 x 1	2550	.590"	35hp
701846 <b>81471</b>	CGWCHD2615	26 x .150 x 1	2350	.590"	35hp
701846 <b>83920</b>	CGWCHD3017	30 x .175 x 1	2040	.590"	35hp
701846 <b>83921</b>	CGWCHD3618	36 x .175 x 1	1700	.590"	35hp







# RANGE OVERVIEW



**MODEL#**

BBL527

BBC207

BBM307

CST120 ALU

**UPC#**

70184683150

70184682501

70184600684

70184608390

**MAX. BLADE CAPACITY**

**20"**  
(508mm)

**14"**  
(177mm)

**14"**  
(355mm)

**14"**  
(350mm)

**MAX. HP.**

**5 HP** (3.7 kW)

**2 HP** (2.2 kW)

**3 HP** (1.5 kW)

**2.45 HP** (1.8 kW)

**PRODUCT FEATURES**



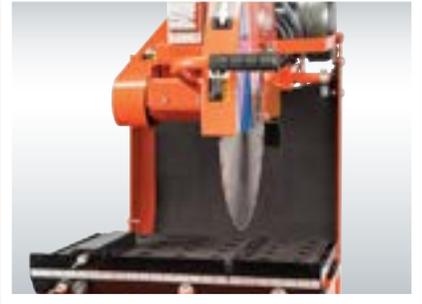
**All Steel Frame**

Super strong fillet welds deliver maximum strength and durability.



**Sloped Front Water Pan**

Allows complete control of the foot pedal and allows more control of depth of cut while reducing operator fatigue



**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 80 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**

PRODUCT #	BBL547	BBL527	BBL727	BBL5247	BBL7247
UPC – Single	701846 <b>83211</b>	701846 <b>83150</b>	NA	701846 <b>30007</b>	NA
UPC – 3 Phase	701846 <b>83334</b>	701846 <b>83385</b>	701846 <b>83485</b>	701846 <b>30008</b>	701846 <b>30009</b>
Blade Guard Capacity – in. (mm)	14" (355)	20" (508)	20" (508)	24" (609)	24" (609)
Maximum Depth of Cut – in. (mm)	5" (127)	8" (203)	8" (203)	10" (254)	10" (254)
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	2,400	2,400	1,800	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 – all electric saws have an electrical water pump				
Power Source	Electric				
Motor/Engine Type	Baldor				
Specifications	T.E.F.C. Thermal Protection				
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)
Voltage	208-230 volts	208-230 volts	NA	208-230 volts	NA
3 PH – Voltage	230/460 volts	230/460 volts	230/460 volts	230/460 volts	230/460 volts
Cycle*/Current/Phase	60Hz/AC/1	60Hz/AC/1	NA	60Hz/AC/1	NA
3 PH – Cycle/Current/Phase	60Hz/AC/3	60Hz/AC/3	60Hz/AC/3	60Hz/AC/3	60Hz/AC/3
Full Load Amps*	20.6 Amp	20.6 Amp	16.8/8.4 Amps	20.6 Amp	16.8/8.4 Amp
Starter	Capacitor				
Motor/Engine Cooling	Air				
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)	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)
Maximum Arbor Height Over Table – in. (mm)	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)
Cart Width – in. (mm)	23" (584)	23" (584)	23" (584)	23" (584)	23" (584)
Pan Length – in. (mm)	43-1/8" (1,095)	43-1/8" (1,095)	43-1/8" (1,095)	43-1/8" (1,095)	43-1/8" (1,095)
Pan Width – in. (mm)	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)
Weight Uncrated – lbs (kg)	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	UPC	SMART PART #			
Electric Water Pump - PE-1	701846 <b>68392</b>	214169			
Conveyor Cart Replacement	003100 <b>07390</b>	083777			

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



Electric Water Pump



Conveyor Cart Replacement

**PRODUCT FEATURES**



**Powerful Engine**

Honda 13 HP engine with cyclone air filtration and power-enhancing jackshaft.



**Accurate Adjustments**

Ultra-strong foot pedal and hand wheel for exact depth adjustments make the BBL suitable for any cutting needs.



**All-Steel Conveyor Cart**

Long-lasting all-steel conveyor cart with tilt-lock wheels ensures smooth and precise cutting every time.



The Norton Clipper BBL series gasoline masonry saw features the powerful Honda GX390 engine with cyclone air filtration to meet any cutting needs. The BBL gas masonry saws feature a power-enhancing jack shaft that transmits more torque to the blade for faster cutting, and provides mechanical advantages to make for the easiest starting in colder weather. The BBL gas saw features the same rugged best-in-the-industry frame as the electric models. BBL series saws are designed with masons in mind and are available with 14", 20", and 24" blade capacities to meet your every need.

**TECHNICAL SPECIFICATIONS**

PRODUCT #	BBL1347	BBL1327	BBL13247
UPC – Single	701846 <b>83214</b>	701846 <b>83212</b>	701846 <b>30010</b>
UPC – 3 Phase	NA	NA	NA
Blade Guard Capacity – in. (mm)	14" (355)	20" (508)	24" (609)
Maximum Depth of Cut – in. (mm)	5" (127)	8" (203)	10" (254)
Arbor Size – in. (mm)	1" (25)	1" (25)	1" (25)
Blade Flange Diameter – in. (mm)	4" (107)	4" (107)	4" (107)
Blade Shaft RPM	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	Mechanically Belt Driven		
Power Source	Gasoline, Single Cylinder 4 Cycle		
Motor/Engine Type	Honda, GX390		
Specifications	GX390K1QXC9		
Net Horsepower*	11 HP (8.2 kW)	11 HP (8.2 kW)	11 HP (8.2 kW)
Voltage	NA	NA	NA
3 PH – Voltage	NA	NA	NA
Cycle*/Current/Phase	NA	NA	NA
3 PH – Cycle/Current/Phase	NA	NA	NA
Full Load Amps*	NA	NA	NA
Starter	Recoil	Recoil	Recoil
Motor/Engine Cooling	Air	Air	Air
SAW DIMENSIONS			
Saw Length – in. (mm)	60" (1,524)	60" (1,524)	60" (1,524)
Saw Width – in. (mm)	26" (660)	26" (660)	26" (660)
Saw Height – in. (mm)	57" (1,448)	57" (1,448)	57" (1,448)
Maximum Arbor Height Over Table – in. (mm)	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)
Cart Width – in. (mm)	23" (584)	23" (584)	23" (584)
Pan Length – in. (mm)	43-1/8" (1,095)	43-1/8" (1,095)	43-1/8" (1,095)
Pan Width – in. (mm)	22-7/16" (569)	22-7/16" (569)	22-7/16" (569)
Weight Crated – lbs (kg)	475 (216)	475 (216)	475 (216)
Weight Uncrated – lbs (kg)	440 (199.5)	440 (199.5)	440 (199.5)
<b>575 VOLT AND 600 VOLT, 3-PHASE OPTIONS AVAILABLE. ASK CUSTOMER SERVICE FOR MORE DETAILS</b>			
ACCESSORIES	UPC	SMART PART #	
BBL Mechanical Water Pump Assembly (pulley not included)	003100 <b>04436</b>	<b>073279</b>	
BBL Water Pump Pulley	003100 <b>04883</b>	<b>076552</b>	
Conveyor Cart Replacement	003100 <b>07390</b>	<b>083777</b>	

\*= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER

**GENUINE NORTON CLIPPER DIAMOND BLADE INCLUDED WITH SAW.**



Mechanical Water Pump Assembly



Conveyor Cart Replacement

**PRODUCT FEATURES**



**Water Pan Design**

The extended length and open back make it easier for 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. Available with 14" and 20" blade guard capacities making the BBC suitable for just about any job. Standard rear-wheel dolly design and removable legs make transport and set-up easy.

**TECHNICAL SPECIFICATIONS**

PRODUCT #	BBC157	BBC207	BBC307	BBC347
UPC	701846 <b>82488</b>	701846 <b>82501</b>	701846 <b>30011</b>	701846 <b>08527</b>
Blade Guard Capacity – in. (mm)	14" (177)	14" (177)	20" (508)	14" (177)
Maximum Depth of Cut – in. (mm)	5" (127)	5" (127)	8" (203)	5" (127)
Arbor Size – in. (mm)	1" (25)	1" (25)	1" (25)	1" (25)
Blade Flange Diameter – in. (mm)	4" (107)	4" (107)	4" (107)	4" (107)
Blade Shaft RPM	2,900	2,900	2,400	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.			
Water Pump	Electric			
Power Source	Electric			
Motor/Engine Type	Baldor			
Specifications	T.E.F.C., Thermal Protection			
Net Horsepower*	1-1/2 HP (1.1 kW)	2 HP (1.5 kW)	3 HP (2.2 kW)	3 HP (2.2 kW)
Voltage	115/230 volts	115/230 volts	208-230 volts	208-230 volts
Cycle*/Current/Phase	60 Hz/AC/1	60 Hz/AC/1	60 Hz/AC/1	NA
Full Load Amps	13.4/6.7 Amps	16.8/8.4 Amps	13 Amps	13 Amps
Starter	Capacitor	Capacitor	Capacitor	Capacitor
Engine Cooling	Air	Air	Air	Air
Displacement – cu. In (l)	NA	NA	NA	NA
Bore – in. (mm)	NA	NA	NA	NA
Stroke – in. (mm)	NA	NA	NA	NA
Cylinders/Stroke	NA	NA	NA	NA
Fuel Capacity – gal. (l)	NA	NA	NA	NA
Oil Capacity – qt. (l)	NA	NA	NA	NA
Air Filter	NA	NA	NA	NA
SAW DIMENSIONS				
Saw Length – in. (mm)	60" (1,524)	60" (1,524)	60" (1,524)	60" (1,524)
Saw Width – in. (mm)	24" (609)	24" (609)	24" (609)	24" (609)
Saw Height – in. (mm)	34" (864)	34" (864)	34" (864)	34" (864)
Maximum Arbor Height Over Table – in. (mm)	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)
Cart Width – in. (mm)	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)
Pan Width – in. (mm)	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)	280 (127)
Weight Uncrated – lbs (kg)	250 (113)	250 (113)	250 (113)	250 (113)
ACCESSORIES				
	UPC	SMART PART #		
Electric Water Pump - PE-1	701846 <b>68392</b>	<b>214169</b>		
Conveyor Cart Replacement	003100 <b>07367</b>	<b>083754</b>		

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



Electric Water Pump



Conveyor Cart Replacement

**PRODUCT FEATURES**



**Powerful Engine**

Honda 5.5 HP engine with cyclone air filtration and power-enhancing jackshaft.



**Tilt-Locking Cart Wheels**

Built-in transport wheels and fork lift brackets make for easy moving of the BBC Gas Masonry saws.



**Stay Level Blade Guard**

Large, extreme-duty cart which can handle the largest and heaviest of materials with ease.



The Norton Clipper BBC series gasoline masonry saws are designed to make easy work of any masonry job. Featuring a jack-shaft system, which enhances the power to the blade, for the fastest cutting and most powerful portable gasoline saw available. All-steel reinforced extended-length frames allow rip cutting of blocks. With forklift brackets, front and rear carry handles, wheel dolly, heavy-duty sealed bearings, stay-level blade guard system, and the choice of 14" or 20" blade guard sizes, the BBC gasoline masonry saw has all the features needed to handle any job. The BBC gasoline masonry saws are designed to handle all of your cutting needs from block, brick, and stone, to pavers; the BBC is the professional's choice.

**TECHNICAL SPECIFICATIONS**

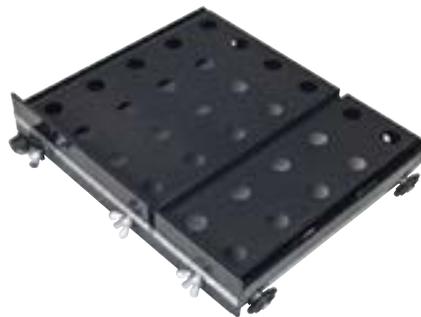
PRODUCT #	BBC547	BBC507
UPC	701846 <b>82175</b>	701846 <b>30012</b>
Blade Guard Capacity – in. (mm)	14" (177)	20" (508)
Maximum Depth of Cut – in. (mm)	5" (127)	8" (203)
Arbor Size – in. (mm)	1" (25)	1" (25)
Blade Flange Diameter – in. (mm)	4" (107)	4" (107)
Blade Shaft RPM	2,900	2,400
Blade Shaft Bearings	1" Heavy Duty Flange	1" Heavy Duty Flange
Blade Shaft Drive	1 Belt	1 Belt
Blade Guard Attachment	All Steel, Stay Level	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	Mechanically Belt Driven	Mechanically Belt Driven
Power Source	Gasoline	Gasoline
Motor/Engine Type	Honda GX200	Honda GX200
Specifications	GX200K1QXC9	GX200K1QXC9
Net Horsepower*	5.5 HP (4.1 kW)	5.5 HP (4.1 kW)
Voltage	NA	NA
Cycle*/Current/Phase	NA	NA
Full Load Amps	NA	NA
Starter	Recoil	Recoil
Engine Cooling	Forced Air	Forced Air
Displacement – cu. In (l)	11.96 cu. In (0.196 l)	11.96 cu. In (0.196 l)
Bore – in. (mm)	2.7" (68)	2.7" (68)
Stroke – in. (mm)	2.12" (54)	2.12" (54)
Cylinders/Stroke	Single Cylinder 4 Cycle	Single Cylinder 4 Cycle
Fuel Capacity – gal. (l)	.95 gal. (3.6 l)	.95 gal. (3.6 l)
Oil Capacity – qt. (l)	.63 at. (.6 l)	.63 at. (.6 l)
Air Filter	Four Stage Cyclone	Four Stage Cyclone
SAW DIMENSIONS		
Saw Length – in. (mm)	50" (1,270)	53" (1,346)
Saw Width – in. (mm)	24" (609)	24" (609)
Saw Height – in. (mm)	38" (965)	38" (965)
Maximum Arbor Height Over Table – in. (mm)	24-1/2" (623)	24-1/2" (623)
Cart Length – in. (mm)	16" (404)	16" (404)
Cart Width – in. (mm)	19-3/8" (492)	19-3/8" (492)
Pan Length – in. (mm)	39-3/8" (1,000)	39-3/8" (1,000)
Pan Width – in. (mm)	18-1/8" (460)	18-1/8" (460)
Weight Crated – lbs (kg)	305 (138)	305 (138)
Weight Uncrated – lbs (kg)	275 (125)	275 (125)
ACCESSORIES	UPC	SMART PART #
BBC Mechanical Water Pump Assembly (pump not included)	003100 <b>04237</b>	<b>072305</b>
BBC Water Pump Pulley	003100 <b>04669</b>	<b>075270</b>
Conveyor Cart Replacement	003100 <b>07367</b>	<b>083754</b>

\*= DATA PROVIDED BY ENGINE MANUFACTURER

**GENUINE NORTON CLIPPER DIAMOND BLADE INCLUDED WITH SAW.**



Mechanical Water Pump Assembly



Conveyor Cart Replacement

### PRODUCT FEATURES



#### All Steel Construction

All welded strong honeycomb reinforcement design.



#### 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. Using the included wet cutting system meets OSHA Silica dust control requirements.



The innovative design of the BBM307 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. The BBM307 features a powerful 3HP brush motor, overload protection, garden hose connection, and a channeled-flow water pan to direct dust and slurry away from the operator.

## TECHNICAL SPECIFICATIONS

PRODUCT #	BBM307	
UPC	701846 <b>00684</b>	
Blade Guard Capacity – in. (mm)	14" (355)	
Maximum Depth of Cut – in. (mm)	5" (127)	
Arbor Size – in. (mm)	1" (25)	
Blade Flange Diameter – in. (mm)	4" (100)	
Blade Shaft RPM	3,600	
Blade Shaft Bearings	Sealed Radial Bearings	
Blade Shaft Drive	Gear Drive	
Blade Guard Attachment	All Steel, Pivoting Posi-Loc Cutting Head	
Conveyor Cart	Aluminum With Steel Wheels and Seale Bearings	
Water Pump	Optional	
Frame	Steel Reinforced Frame	
Power Source	Electrical	
Motor/Engine Type	AC Universal Motor	
Specifications	Carbon Brush, Thermal Protection	
Net Horsepower*	3 HP	
Voltage	115 volts	
Cycle*/Current/Phase	60Hz/AC/1	
Full Load Amps	10 Amps	
Starter	NA	
Engine Cooling	Forced Air	
Air Filter	Yes	
SAW DIMENSIONS		
Saw Length – in. (mm)	31-1/2" (800)	
Saw Width – in. (mm)	18" (470)	
Saw Height – in. (mm)	30" (762)	
Maximum Arbor Height Over Table – in. (mm)	15-1/16" (383)	
Cart Length – in. (mm)	10-7/16" (265)	
Cart Width – in. (mm)	16-17/32" (420)	
Pan Length – in. (mm)	30-1/8" (765)	
Pan Width – in. (mm)	16" (405)	
Weight Crated – lbs (kg)	90 (40.8)	
Weight Uncrated – lbs (kg)	75 (34)	
ACCESSORIES	UPC	SMART PART #
Wet Kit	701846 <b>00704</b>	<b>235003</b>
Stand	701846 <b>00691</b>	<b>235001</b>
Conveyor Cart with Vacuum Attachment	701846 <b>02862</b>	<b>233934</b>

\*= DATA PROVIDED BY ENGINE MANUFACTURER

GENUINE NORTON CLIPPER DIAMOND BLADE INCLUDED WITH SAW.



Wet Kit

Stand

Conveyor Cart with Vacuum Attachment



Visit our YouTube page for more product information at:  
[www.youtube.com/NortonAbrasives](http://www.youtube.com/NortonAbrasives)

**PRODUCT FEATURES**



**Powerful Induction Motor**

Powerful long life dual voltage 115/230v commercial grade 1.5 HP induction motor.



**Quiet Operation**

Belt-driven blade shaft for smooth and quiet operation.



**Less Mess**

Channeled-flow water pan and conveyer cart direct dust and slurry away from the operator.



An evolutionary extension of the BBM307, the extremely portable BBM158 features a powerful, long-life commercial 1.5 HP induction motor which is designed for continuous cutting of bricks, block, pavers, stones, wall stones, and a variety of other masonry materials. The BBM158 motor has the ability to run on both 115v or 230v with a flick of a switch, allowing it to be used on most any job site. This machine is fully loaded with an all-steel honeycomb frame, heavy-duty conveyor cart with precision rollers for the straightest cuts, pivoting head for exact depth adjustments, belt-drive blade shaft for smoother and quieter operation, and includes a Norton Clipper 14" diamond blade for the fastest cutting; the BBM158 has all the features that professionals demand. If you want the most portable induction motor saw available, the BBM158 is the only choice.

**TECHNICAL SPECIFICATIONS**

PRODUCT #	BBM158
UPC	701846 <b>26327</b>
Blade Guard Capacity – in. (mm)	14" (355)
Maximum Depth of Cut – in. (mm)	5" (127)
Arbor Size – in. (mm)	1" (25)
Blade Flange Diameter – in. (mm)	4" (100)
Blade Shaft RPM	2,800
Blade Shaft Bearings	Sealed Radial Bearings
Blade Shaft Drive	Belt Drive
Blade Guard Attachment	All Steel, Pivoting Cutting Head
Conveyor Cart	Aluminum With Steel Wheels and Seale Bearings
Water Pump	Optional
Frame	Steel Reinforced Frame
Power Source	Electrical
Motor/Engine Type	Induction
Specifications	T.E.F.C., Thermal Protection
Net Horsepower*	1-1/2 HP
Voltage	115/230 volts
Cycle*/Current/Phase	60Hz/AC/1
Full Load Amps	15 Amps
Starter	NA
Engine Cooling	Forced Air
Air Filter	NA

**SAW DIMENSIONS**

Saw Length – in. (mm)	31-1/2" (800)
Saw Width – in. (mm)	18" (470)
Saw Height – in. (mm)	27-3/4" (695)
Maximum Arbor Height Over Table – in. (mm)	16-17/32" (420)
Cart Length – in. (mm)	10-7/16" (265)
Cart Width – in. (mm)	16-17/32" (420)
Pan Length – in. (mm)	30-1/8" (765)
Pan Width – in. (mm)	16" (405)
Weight Crated – lbs (kg)	150 (68)
Weight Uncrated – lbs (kg)	123.2 (56)

**ACCESSORIES**

	UPC	SMART PART #
Wet Kit	701846 <b>00704</b>	<b>235003</b>
Stand	701846 <b>00691</b>	<b>235001</b>
Conveyor Cart with Vacuum Attachment	701846 <b>02862</b>	<b>233934</b>

\*= DATA PROVIDED BY ENGINE MANUFACTURER

**GENUINE NORTON CLIPPER DIAMOND BLADE INCLUDED WITH SAW.**



Wet Kit



Stand



Conveyor Cart with Vacuum Attachment



Visit our YouTube page for more product information at:  
[www.youtube.com/NortonAbrasives](http://www.youtube.com/NortonAbrasives)

**PRODUCT FEATURES**



**Guiding Bars**

Strong chrome-plated guiding bars for high precision cutting.



**Tilting Head**

Allows cuts up to 45°.



**Side Extension Table**

Lets you easily adapt to different width materials.



As materials became longer, heavier, thicker and harder, an alternative solution was needed. With its long cutting lengths and powerful motor, coupled with a strong and robust frame to support heavy materials, this is the solution for the future of tile cutting.

The CST Series is designed to handle heavier and larger materials than a traditional masonry or tile saw for precision cutting of masonry, stone, flooring, and tile products. It allows miter cutting of material up to 45° and designed to cut materials up to 47-1/4" (1.2 m) in length. The CST120 ALUMINUM is a lightweight solution when mobility is the priority. It is a powerful machine offering long cutting lengths, folding legs, and transport wheels making it easy to transport.

**TECHNICAL SPECIFICATIONS**

PRODUCT #	CST120	CST120 ALU
UPC	701846 <b>08389</b>	701846 <b>08390</b>
Blade Guard Capacity – in. (mm)	14" (350)	14" (350)
Maximum Depth of Cut 90°– in. (mm)	4-5/16" (110)	4-5/16" (110)
Maximum Depth of Cut 45°– in. (mm)	3-15/64" (82.5mm)	3-15/64" (82.5mm)
Maximum Length of Cut – in. (mm)	47-1/4" (1,200)	47-1/4" (1,200)
Maximum Material Height - in. (mm)	5-7/64" (130)	5-7/64" (130)
Arbor Size – in. (mm)	1" (25.4)	1" (25.4)
Blade Flange Diameter – in. (mm)	4" (107)	4" (107)
Blade Shaft RPM	2,800	2,800
Blade Shaft Bearings	Sealed	Sealed
Blade Shaft Drive	Direct	Direct
Blade Guard Attachment	All Steel, with Intergrated Water System	All Steel, with Intergrated Water System
Conveyor Cart	Fixed Table	Fixed Table
Water Pump	Electric	Electric
Frame	Steel	Aluminum
Power Source	Electric	Electric
Motor/Engine Type	CEP	CEP
Specifications	T.E.F.C. Thermal Protection	T.E.F.C. Thermal Protection
Net Horsepower*	2.4 HP (1.80 kW)	2.4 HP (1.80 kW)
Voltage	115v	115v
Cycle*/Current/Phase	60Hz/AC/1	60Hz/AC/1
Full Load Amps	16 A	16 A
Starter	Capacitor	Capacitor
SAW DIMENSIONS		
Saw Length – in. (mm)	63" (1,600)	64-13/64" (1,630)
Saw Width – in. (mm)	26" (660)	26" (660)
Saw Height – in. (mm)	30-45/64" (1,350)	30-45/64" (1,350)
Maximum Arbor Height Over Table – in. (mm)	12-7/64" (307.5)	12-7/64" (307.5)
Table Length – in. (mm)	51-45/64" (1,315)	51-45/64" (1,315)
Table Width – in. (mm)	21-1/2" (545)	21-1/2" (545)
Pan Length – in. (mm)	61" (1,550)	61" (1,550)
Pan Width – in. (mm)	25-39/64" (650)	25-39/64" (650)
Weight Crated – lbs (kg)	392 (178 kg)	238 (108 kg)
Weight Uncrated – lbs (kg)	352 (160 kg)	198 (90 kg)
ACCESSORIES		
	UPC	SMART PART #
Slide Stop	003104 <b>78996</b>	310478 <b>996</b>
Side Extension Flat (0.55 x 0.45 M)	003104 <b>79000</b>	310479 <b>000</b>
Side Extension with Rolls (1 x 0.50 M)	003104 <b>78999</b>	310478 <b>999</b>
Wheel Transport with Handles	701846 <b>08424</b>	701846 <b>08424</b>
Laser Cutting Guide with Hardware	701846 <b>08425</b>	701846 <b>08425</b>
Angle Guide	003104 <b>79001</b>	310479 <b>001</b>
Water Pump 115v/60Hz/1	701846 <b>08427</b>	701846 <b>08427</b>

\*= DATA PROVIDED BY ENGINE MANUFACTURER

**GENUINE NORTON CLIPPER DIAMOND BLADE INCLUDED WITH SAW.**



Slide Stop



Side Extension Flat (0.55 x 0.45 M)



Side Extension with Rolls (1 x 0.50 M)

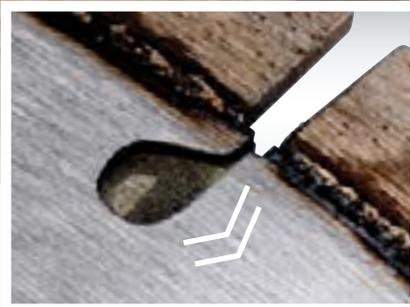
## get the silent treatment **AND ENJOY EVERY MINUTE**

Defying everything you've heard before, the Norton Clipper 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 patented technology performance benefits while nearby workers and onlookers enjoy quieter times.

If cost is a factor, try the new Silencio Charger that cuts noise with a unique more economical sandwich core design.



**.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.



## General Purpose and Masonry Building Materials

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

### WET – SEGMENTED RIM

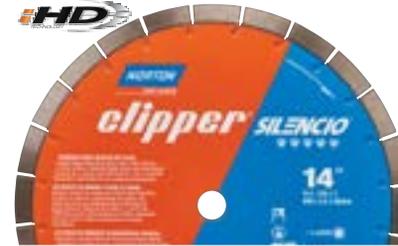


#### SILENCIO



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
70184684534	SILMBR14125	14 x .125 x 1	4365	.590"
70184684535	SILMBR20125	20 x .125 x 1	3055	.590"



#### SILENCIO CHARGER **NEW**



A more economical silent core design, serrated segment shape, and longer life formula increase the material cutting range and blade life while reducing noise. A perfect solution when cutting in sound sensitive work areas.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
70184603318	SILCG14122	14 x .122 x 1	4365	.472"



#### 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
70184681338	CGWMGP1401	14 x .100 x 1	4365	.275"
70184681339	CGWMGP2001	20 x .125 x 1	3055	.263"



#### 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
70184681331	CHWMGP1401	14 x .100 x 1	4365	.275"
70184681332	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
70184683982	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
70184681428	CGDMGP1401	14 x .100 x 1	4365	.263"
70184681429	CGDMGP2001	20 x .125 x 1	3055	.263"



#### 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
70184684248	CODMGP7H2001	20 x .140 x 1	4365	.275"
70184684251	CODMGP10H2001	20 x .165 x 1	3055	.393"



#### 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
70184684181	VPHSGP1420	14 x .110 x 1/20mm	5460	.393"
70184684428	VPHSGP1420 20PK	14 x .110 x 1/20mm	5460	.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
70184684525	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.

### 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
70184684218	DUOEVO14118	14 x .118 x 1/20mm	5460	.590"
70184693356	DUOEVO16125	16 x .130 x 1/20mm	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
70184683612	DUO14110	14 x .110 x 1/20mm	5460	.393"
70184684430	DUO14110 6PK	14 x .110 x 1/20mm	5460	.393"
70184683613	DUO14125	14 x .125 x 1/20mm	5460	.393"
70184684432	DUO14125 6PK	14 x .125 x 1/20mm	5460	.393"
70184683798	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
70184681426	CGDMBR1401	14 x .100 x 1	4365	.263"
70184681427	CGDMBR2001	20 x .125 x 1	3055	.263"
70184684509	CGDMBR2101	21 x .125 x 1	2905	.350"
70184684556	CODMBR2401	24 x .150 x 1	2550	.275"



#### 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
70184684511	CHDMBR2001	20 x .125 x 1	3055	.263"
70184684557	CODMBL2401	24 x .165 x 1	2550	.275"





## 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
70184681330	CGDMBL1401	14 x .100 x 1	4365	.326"
70184681424	CGDMBL2001	20 x .125 x 1	3055	.326"
70184684510	CGDMBL2101	21 x .125 x 1	2905	.326"



#### 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
70184681325	CHDMBL1401	14 x .100 x 1	4365	.326"
70184603329	CHDAOC1812	18 x .125 x 1	3395	.472"
70184684511	CHDMBR2001	20 x .125 x 1	3055	.326"
70184603330	CHDAOC2015	20 x .150 x 1	3055	.472"



#### VALUPLUS

Dry cutting sintered segment blade for abrasive materials. Drop-segment wear-retardant extends life of core. Economically priced with good performance in asphalt, green concrete and other abrasive materials.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
70184603333	VPHSABR14125	14 x .125 x 1/20mm	5460	.452"



## Norton Clipper Classic and ValuPlus

These Classic blades are an exceptional choice for general purpose wet or dry cutting on low horsepower saws. Soft enough to handle concrete but with drop segments on the core to maximize segment life when cutting abrasive materials like asphalt and block.

When a more economical solution is what you're after, try the new ValuPlus sintered segment blade for abrasive materials.



## 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
70184681348	NXWRHD1401	14 x .095 x 1	4365	.326"
70184681456	NXWRHD1801	18 x .125 x 1	3395	.326"
70184681457	NXWRHD2001	20 x .125 x 1	3055	.326"



#### NORTON CLIPPER 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
70184681453	CGWRGP1401	14 x .100 x 1	4365	.250"
70184681454	CGWRGP1801	18 x .125 x 1	3395	.250"
70184681455	CGWRGP2001	20 x .125 x 1	3055	.250"



### 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	RIM HEIGHT
70184684186	NXSLC1201	12 x .080 x 1	5095	.393"
70184684187	NXSLC1401	14 x .080 x 1	4365	.393"



### DRY – TURBO RIM – GRANITE, MARBLE, TILES



#### AERO-JET



Very fast, smooth cutting. The .590" high diamond 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	RIM HEIGHT
70184683785	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
70184684547	4X414125	14 x .125 x 1/20mm	5460	.393"
70184645306	4X416125	16 x .125 x 1/20mm	4500	.393"





# RANGE OVERVIEW



**MODEL#**

CTC1020XL

CTC705

CTC701

TC405

**UPC#**

70184630013

70184681496

70184630029

70184682709

**BLADE GUARD  
SIZE**



**MAX.  
HP.**

**2 HP (1.5 kW)**

**1 HP (0.7 kW)**

**1.5 HP (1.1 kW)**

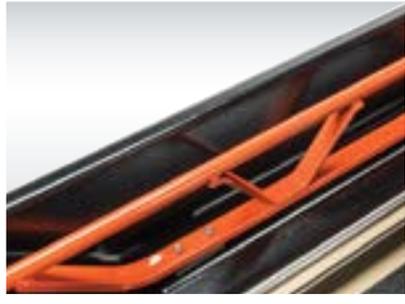
**0.5 HP (0.4 kW)**

## 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.



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**

PRODUCT #	CTC1020XL	
UPC	701846 <b>30013</b>	
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" (1,318)	
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" (1,240)	
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" (1,318)	
Pan Width – in. (mm)	25-3/16" (640)	
Weight Crated – lbs (kg)	75 (34)	
Weight Uncrated – lbs. (kg)	65 (29.5)	
ACCESSORIES		
	UPC	SMART PART #
Electric Water Pump - PE-1	701846 <b>68392</b>	214169
Premium Stand w/Work Table	701846 <b>43045</b>	242098
Adjustable Angle Guide	701846 <b>80907</b>	233043

\*= DATA PROVIDED BY ENGINE MANUFACTURER  
GENUINE NORTON CLIPPER 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.



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**

PRODUCT #	CTC705	
UPC	701846 <b>81496</b>	
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	6,000	
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 (075kW)	
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" (1,213)	
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		
Electric Water Pump - PE-1	UPC 701846 <b>68392</b>	SMART PART # 214169
Premium Stand w/Work Table	701846 <b>43045</b>	242098
Adjustable Angle Guide	701846 <b>80907</b>	233043

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



Electric Water Pump



Premium Stand with Work Table



Adjustable Angle Guide

**PRODUCT FEATURES**



**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.



**Recommended Blade Upgrade**  
ValuPlus Continuous Rim  
*See page 89*

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**

PRODUCT #	CTC701
UPC	70184630029
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



**PRODUCT FEATURES**



**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°.



**Recommended Blade Upgrade**  
Classic Continuous Rim  
See page 89

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**

PRODUCT #	TC405
UPC	70184682709
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 CLIPPER DIAMOND BLADE (3 QTY) INCLUDED WITH SAW.



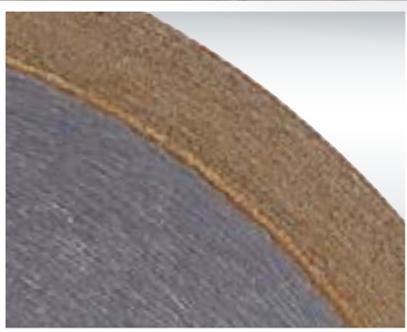
**Tile Saw Blades**

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

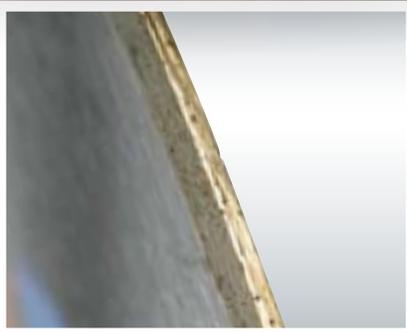
# razor sharp FOR THE EDGE YOU NEED

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

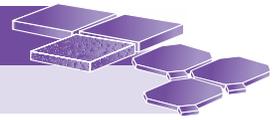


### Thinnest Cuts, Longest Life

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 for premium performance, particularly in porcelain tile and other hard materials.

UPC	PART #	SIZE	MAX RPM	RIM HEIGHT
70184684183	NXSLC0700	7 x .060 x 5/8	8730	.393"
70184684184	NXSLC0800	8 x .060 x 5/8	7640	.393"
70184684185	NXSLC1000	10 x .060 x 5/8	6115	.393"



#### 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	RIM HEIGHT
07660701196	CON6WT	6 x .065 x 5/8	10185	.393"
70184684017	CON7WT	7 x .065 x 5/8	8730	.393"
07660702785	CON8WT	8 x .070 x 5/8	7640	.393"
07660702784	CON10WT	10 x .070 x 5/8	6115	.393"



### DRY – CONTINUOUS RIM +

#### 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	RIM HEIGHT
07660702793	CON4DT	4 x .080 x 7/8-5/8-20mm	15000	.275"
07660701194	CON45DT	4-1/2 x .080 x 7/8-5/8-20mm	13300	.275"
07660702788	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
70184684087	VPDT0400	4 x .080 x 7/8-5/8-20mm	15000	.197"
70184684088	VPDT0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.197"
70184684089	VPDT0700	7 x .090 x DM-7/8-5/8	8730	.197"



### DRY – TURBO RIM +

#### AERO-JET

Very fast, smooth cutting. The high diamond 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	RIM HEIGHT
70184683778	AERO0400	4 x .070 x 7/8-5/8-20mm	15000	.472"
70184683779	AERO0450	4-1/2 x .070 x 7/8-5/8-20mm	13300	.472"
70184683780	AERO0500	5 x .070 x 7/8-5/8-20mm	12000	.472"
70184683781	AERO0700	7 x .090 x DM-7/8-5/8	8730	.472"
70184683782	AERO0800	8 x .090 x DM-7/8-5/8	7640	.472"
70184683783	AERO1000	10 x .110 x 1-7/8-5/8	6115	.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

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
07660704019	CGDSEG1000	10 x .090 x 1-7/8-5/8	6115	.393"



#### 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
07660701201	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	RIM HEIGHT
07660704022	CGTURB0700	7 x .090 x DM-7/8-5/8	8725	.393"
70184681512	CGTURB0800	8 x .090 x DM-7/8-5/8	7640	.393"



#### 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	RIM HEIGHT
07660702787	COTURB0700	7 x .090 x DM-7/8-5/8	8725	.315"
07660704016	0700TURBO5PK	7 x .090 x DM-7/8-5/8	8725	.315"
07660702780	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	RIM HEIGHT
70184684107	VPTURB0700	7 x .090 x DM-7/8-5/8	8730	.315"





## General Purpose and Masonry Building Materials

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



### FOR USE ON CORDLESS POWER TOOLS ONLY



#### SILENCIO **NEW**



Laser-welded segments for maximum attachment security in all materials. Sound-dampening sandwich core reduces sound while cutting. Premium segment for faster cutting in difficult materials.



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
70184608514	SILENCIO0900	9 x .102 x 7/8	6650	.393"

#### SILENCIO CLASSIC **NEW**



With the same features as the original Silencio, the Silencio Classic has longer life segments on a sound-dampened core for softer, more abrasive materials.



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
70184608591	SILCLB0900	9 x .102 x 7/8"	6650	.393"

## 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.



### FOR USE ON CORDLESS POWER TOOLS ONLY



#### DIALAST **NEW**



Vacuum brazed diamond for uni-directional cutting. Cooling holes in core for added cooling to cut harder materials. Solid core gullet design for smooth continuous cutting.



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
70184608590	DIABAT0900	9 x .118 x 7/8	6650	.125"

## Abrasive Cut-off Wheel for Cordless Tools

### Steel & Stainless

General-purpose ferrous metals (steel, iron, welds), stainless steel and other high strength alloys.



### ABRASIVE CUT-OFF WHEEL FOR USE ON CORDLESS POWER TOOLS ONLY



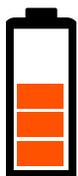
#### CHARGER **NEW**



This Norton Clipper abrasive cut-off wheel completes the 9" offering for use on cordless tools in metal applications. Thinner abrasive wheel for less drag and power draw on cordless tools. Reinforced metal arbor to enhance push and cutting speed. Cordless abrasive blend to maximize cutting speed and tool battery life.



UPC	SIZE	APPLICATION	MAX RPM	STD PKG
70184609080	9 x .078 x 7/8	Metal / Stainless	6600	25



MAKE YOUR  
**BATTERY TOOL**  
MORE VERSATILE!





## 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
70184684526	DUO0450	4-1/2 x .086 x 7/8-5/8-20mm	13300	.393"
70184684527	DUO0500	5 x .086 x 7/8-5/8-20mm	12000	.393"
70184684129	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
70184681505	CGDSEG0400	4 x .080 x 7/8-5/8-20mm	15000	.393"
07660704021	CGDSEG0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.393"
70184682851	CGDSEG0500	5 x .080 x 7/8-5/8-20mm	12000	.393"
70184683820	CGDSEG0600	6 x .080 x 7/8-5/8-20mm	10185	.393"
07660704020	CGDSEG0700	7 x .090 x DM-7/8-5/8	8725	.393"
70184681513	CGDSEG0800	8 x .090 x DM-7/8-5/8	7640	.393"
70184669483	CGDSEG0900	9 x .090 x 7/8-5/8"	6600	.393"



#### 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
07660702791	CODSEG0400	4 x .080 x 7/8-5/8-20mm	15000	.393"
07660702789	CODSEG0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.393"
70184684463	0450SEG5PK	4-1/2 x .080 x 7/8-5/8-20mm	13300	.393"
70184684006	CODSEG0600	6 x .080 x 7/8-5/8-20mm	10185	.393"
07660702786	CODSEG0700	7 x .090 x DM-7/8-5/8	8725	.315"
70184684464	0700SEG5PK	7 x .090 x DM-7/8-5/8	8725	.393"



#### 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
70184684098	VPSEG0400	4 x .080 x 7/8-5/8-20mm	15000	.315"
70184684099	VPSEG0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.315"
70184684100	VPSEG0700	7 x .090 x DM-7/8-5/8	8725	.315"





## 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.

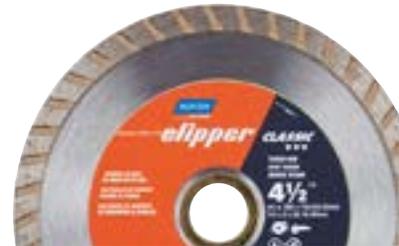
UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
07660705475	CGTURB0400	4 x .080 x 7/8-5/8-20mm	15000	.393"
07660704023	CGTURB0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.393"
70184682853	CGTURB0500	5 x .080 x 7/8-5/8-20mm	12000	.393"
70184683821	CGTURB0600	6 x .080 x 7/8-5/8-20mm	10185	.393"
07660704022	CGTURB0700	7 x .090 x DM-7/8-5/8	8730	.393"
70184681512	CGTURB0800	8 x .090 x DM-7/8-5/8	7640	.393"



#### 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
07660702792	COTURB0400	4 x .080 x 7/8-5/8-20mm	15000	.315"
07660704018	0400TURB05PK	4 x .080 x 7/8-5/8-20mm	15000	.315"
07660702790	COTURB0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.315"
07660704017	0450TURB05PK	4-1/2 x .080 x 7/8-5/8-20mm	13300	.315"
07660705344	COMBO Pack	4-1/2 x .080 x 7/8-5/8-20mm	13300	.315"
70184684011	COTURB0600	6 x .080 x 7/8-5/8-20mm	10185	.315"
07660702787	COTURB0700	7 x .090 x DM-7/8-5/8	8730	.315"
07660704016	0700TURB05PK	7 x .090 x DM-7/8-5/8	8730	.315"



#### VALUPLUS

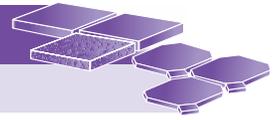
For value and performance on small to medium size jobs cutting soft brick and tile. The turbo continuous rim cuts fast with a smoother quality of cut.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
70184684105	VPTURB0400	4 x .080 x 7/8-5/8-20mm	15000	.315"
70184684106	VPTURB0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.315"
70184684107	VPTURB0700	7 x .090 x DM-7/8-5/8	8730	.315"



## 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 high diamond 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	RIM HEIGHT
70184683778	AERO0400	4 x .070 x 7/8-5/8-20mm	15000	.472"
70184683779	AERO0450	4-1/2 x .070 x 7/8-5/8-20mm	13300	.472"
70184683780	AERO0500	5 x .070 x 7/8-5/8-20mm	12000	.472"
70184683781	AERO0700	7 x .090 x DM-7/8-5/8	8730	.472"
70184683782	AERO0800	8 x .090 x DM-7/8-5/8	7640	.472"



### DRY – CONTINUOUS RIM



#### 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	RIM HEIGHT
07660702793	CON4DT	4 x .080 x 7/8-5/8-20mm	15000	.275"
07660701194	CON45DT	4-1/2 x .080 x 7/8-5/8-20mm	13300	.275"
07660702788	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	RIM HEIGHT
70184684087	VPDT0400	4 x .080 x 7/8-5/8-20mm	15000	.275"
70184684088	VPDT0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.275"
70184684089	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
70184681506	CGTUCK0400	4 x .250 x 7/8-5/8-20mm	15000	.275"
70184681781	CGTUCK0450	4-1/2 x .250 x 7/8-5/8-20mm	13300	.393"



#### 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
70184681776	CHTUCK0400	4 x .250 x 7/8-5/8-20mm	15000	.275"
70184681777	CHTUCK0450	4-1/2 x .250 x 7/8-5/8-20mm	13300	.275"
70184681778	CHTUCK0500	5 x .250 x 7/8-5/8-20mm	12000	.275"
70184681779	CHTUCK0700	7 x .250 x 7/8-5/8-20mm	8730	.275"
70184681780	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 mortar joints quickly and efficiently with hand-held tools.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
70184684020	CON4TP	4 x .250 x 7/8-5/8-20mm	15000	.393"
70184663862	CON45TP	4-1/2 x .250 x 7/8-5/8-20mm	13300	.393"



## 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
70184683856	CGCC0400	4 x .375 x 7/8-5/8-20mm	15000	.550"
70184683859	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

#### IHD 3X3

Ensures very high material removal rate, extreme comfort while working without vibrations and a self-sharpening feature. These new cups offer the best finishing and longest life even on softer, more abrasive materials.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
<b>Single Row for Fast Stock Removal</b>				
70184601763	3X3CG0400	4 x 5/8"-11	15000	.177"
70184601766	3X3CG0500	5 x 5/8"-11	12000	.177"
70184601769	3X3CG0700	7 x 5/8"-11	8730	.177"



#### IHD CHARGER CG

Increased segment to surface for more material removal than the Norton Classic cup grinder. The diamond and bond configuration provide a more comfortable feel while extending life and better finish on a wide range of materials.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
<b>Single Row for Fast Stock Removal</b>				
70184601762	CGCG0400	4 x 5/8"-11	15000	.177"
70184601765	CGCG0500	5 x 5/8"-11	12000	.177"
70184601768	CGCG0700	7 x 5/8"-11	8730	.177"



#### IHD CLASSIC

Provides efficient material removal rate thanks to the small contact surfaces of the segments. The cups also have flat sides to avoid damaging walls or ceilings during flush grinding.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
<b>Single Row for Fast Stock Removal</b>				
70184601761	CCCG0400	4 x 5/8"-11	15000	.177"
70184601764	CCCG0500	5 x 5/8"-11	12000	.177"
70184601767	CCCG0700	7 x 5/8"-11	8730	.177"



## Infiltrated High-Density (iHD)

Segments made with patented technology for longer life and faster grinding are available in three types. Designated by their unique segment designs, the Norton Clipper Classic, with a single building shaped segment provides a good removal rate. Two building in the Norton Clipper Charger cups for a better finished, faster cut. And, the Norton Clipper 3X3, with three buildings ensures the highest stock removal, best comfort, longest life and overall best finish.



### Large Grinding Surface

For better comfort with minimal vibration.



### iHD Segments

Made with patented technology for longer life and faster grinding.



### Thick Body

For more safety, allowing more pressure when needed, resisting flexing causing breakage.



## General Purpose and Masonry Building Materials

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

**DRY – CUP GRINDER**  + 

### CLASSIC

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

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
<b>Single Row for fast stock removal</b>				
70184682585	CHSCPH0400	4 x 7/8-5/8-20mm	15000	.210"
70184684035	CHSCPH0500	5 x 7/8-5/8-20mm	12000	.210"
70184682594	CHSCPH0700	7 x 7/8-5/8-20mm	8730	.210"
70184682555	CHSCPT0400	4 x 5/8"-11	15000	.210"
70184684036	CHSCPT0500	5 x 5/8"-11	12000	.210"
70184682593	CHSCPT0700	7 x 5/8"-11	8730	.210"



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
<b>Double Row for Long Life, Smooth Finish</b>				
70184682588	CHDCPH0400	4 x 7/8-5/8-20mm	15000	.210"
70184684037	CHDCPH0500	5 x 7/8-5/8-20mm	12000	.210"
70184682596	CHDCPH0700	7 x 7/8-5/8-20mm	8730	.210"
70184682586	CHDCPT0400	4 x 5/8"-11	15000	.210"
70184684038	CHDCPT0500	5 x 5/8"-11	12000	.210"
70184682595	CHDCPT0700	7 x 5/8"-11	8730	.210"



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
<b>Swirl for Most Aggressive Cut, Smooth Finish</b>				
70184684039	CHSWCPH0500	5 x 7/8-5/8-20mm	12000	.180"
70184683825	CHSWCPH0700	7 x 7/8-5/8-20mm	8730	.180"
70184683826	CHSWCPT0400	4 x 5/8"-11	15000	.180"
70184684040	CHSWCPT0500	5 x 5/8"-11	12000	.180"
70184683827	CHSWCPT0700	7 x 5/8"-11	8730	.180"

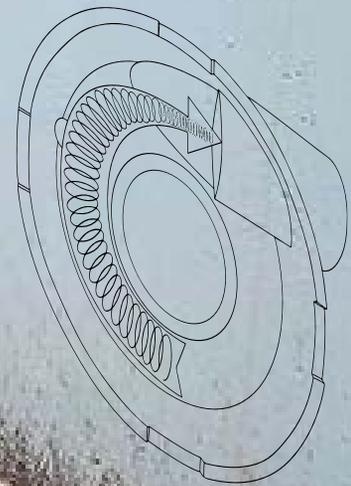


UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
<b>Turbo for Long Life, Very Smooth Finish</b>				
70184683830	CHTURCPT0400	4 x 5/8"-11	15000	.210"
70184683831	CHTURCPT0700	7 x 5/8"-11	8730	.210"



# 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 effect, 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**94059**

**DESCRIPTION**

5" vacuum shroud kit – includes one shroud, five different adapter rings to fit most popular right angle grinders, and one 5" x 5/8-11 Norton Clipper cup wheel.

701846**41039**

7" vacuum shroud kit – includes one shroud, five different adapter rings to fit most popular right angle grinders, and one 7" x 5/8-11 Norton Clipper 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.







# RANGE OVERVIEW



MODEL# DR620

UPC# 70184600925



MODEL# HHD3TOL HAND-HELD

UPC# 70184621725



MODEL# HHDETOL

UPC# 70184600917



MODEL# HHDET1800

UPC# 70184684243

MAX. DRILLING CAPACITY

10"  
(254mm)

6"  
(127mm)

6"  
(178mm)

4"  
(178mm)

MAX. HP.

25 Amps

15 Amps

15 Amps

15 Amps

**PRODUCT FEATURES**



**Vacuum Pump**  
Superior stabilization.



**Wheel Attachment**  
Ease of transporting around job site.



**Ceiling Jack**  
Extending ceiling jack for indoor drilling.



**DR520**



**DR620**

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**

PRODUCT #	DR520	DR620
<b>UPC</b>	701846 <b>00924</b>	701846 <b>00925</b>
Gears	2	2
Motor Type	Milwaukee	Milwaukee
Motor Specification	4096	4096
Voltage	115 volts	115 volts
Cycle*/Current/Phase	60 Hz/AC/1	60 Hz/AC/1
Amperage	20 Amp	20 Amp
RPM	450/900	450/900
Spindle Thread Size	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)
Column Length – in. (mm)	42" (1,067)	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)
Wheels (D x W x B) in. (mm)	6"x1-3/8"x3/4" (152x35x19)	6"x1-3/8"x3/4" (152x35x19)
Vacuum Pump	YES	YES
Control Panel	YES	YES
Weight Crated – lbs (kg)	140 (63.5)	140 (63.5)
Weight Uncrated – lbs (kg)	125 (56.7)	125 (56.7)
<b>RECOMMENDED BIT SIZES</b>		
Low in. (mm)	6" to 10" (152 to 254)	6" to 10" (152 to 254)
High in. (mm)	2" to 6" (50 to 152)	2" to 6" (50 to 152)
<b>DRILL RIG STANDS</b>		
	<b>UPC</b>	<b>SMART PART #</b>
DS5/DS6 Drill Rig Stand – Standard Base	701846 <b>00922</b>	<b>D55</b>
DS5/DS6 Drill Rig Stand – Pivoting Base	701846 <b>00923</b>	<b>D56</b>
<b>DM5/DM6 DRILL MOTORS</b>		
	<b>UPC</b>	<b>SMART PART #</b>
15 amp Milwaukee	701846 <b>57976</b>	<b>403061</b>
20 amp Milwaukee	701846 <b>57985</b>	<b>403064</b>
20 amp Cardi	701846 <b>22228</b>	<b>T3-250-EL</b>
<b>ACCESSORIES</b>		
	<b>UPC</b>	<b>SMART PART #</b>
Spacer Block	701846 <b>00927</b>	<b>408002</b>
4 Gallon Water Pressure Tank	701846 <b>75539</b>	<b>403126</b>
Water Collector Ring	701846 <b>58498</b>	<b>402034</b>
Core Bit Quick Release Attachment	701846 <b>00938</b>	<b>408003</b>
Vacuum Pump for DR520/620	701846 <b>45802</b>	<b>408299</b>

\*= DATA PROVIDED BY ENGINE MANUFACTURER



**CORE BITS**

Minimum and Maximum Recommended Operating Speeds

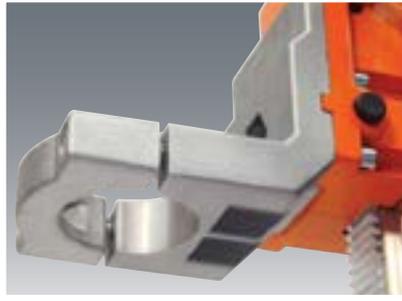
BIT DIAMETER	MIN. (RPM)	IDEAL SPEED (RPM)	MAX. (RPM)
1"	2,400	3,200	4,000
2"	1,200	1,600	2,000
3"	800	1,050	1,300
4"	600	800	1,000
5"	475	640	800
6"	400	530	665
7"	340	450	600
8"	300	400	500
10"	240	320	400
12"	200	265	330
14"	170	225	285
16"	150	200	250
18"	130	175	220
20"	120	160	200
24"	100	130	165
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

**PRODUCT FEATURES**



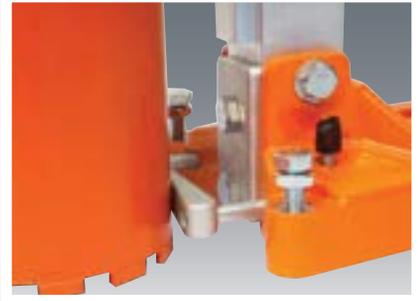
**Single-Speed, 15 Amp**

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**

Norton Clipper Charger  
See page 111

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**

PRODUCT #	HDR600C	
UPC	701846 <b>44020</b>	
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	UPC	SMART PART #
Core Bit Quick Release Attachment	701846 <b>00938</b>	<b>408003</b>
Centering Aid	701846 <b>23517</b>	<b>409122</b>

\*= DATA PROVIDED BY MOTOR MANUFACTURER

**PRODUCT FEATURES**



**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**

PRODUCT #	HHD3TOL	
UPC	70184621725	
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	UPC	SMART PART #
Portable Stand CDR163	00310468577	<b>CDR163</b>
Core Bit Quick Release Attachment	70184600938	<b>408003</b>
Centering Aid	70184623517	<b>409122</b>

\*= DATA PROVIDED BY MOTOR MANUFACTURER

**Recommended Core Bit**

Norton Clipper Paradigm  
See page 111

**PRODUCT FEATURES**



**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 drill 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.

**TECHNICAL SPECIFICATIONS**

PRODUCT #	HHDETOL	
UPC	701846 <b>00917</b>	
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	UPC	SMART PART #
Portable Stand L160	003100 <b>07829</b>	<b>L160</b>
Core Bit Quick Release Attachment	701846 <b>00938</b>	<b>408003</b>
Centering Aid	701846 <b>23517</b>	<b>409122</b>

\*= DATA PROVIDED BY MOTOR MANUFACTURER

**Recommended Core Bit**

Norton Clipper Charger  
See page 113

**PRODUCT FEATURES**



**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.

**TECHNICAL SPECIFICATIONS**

PRODUCT #	HHDET1800	
UPC	701846 <b>84243</b>	
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	UPC	SMART PART #
Portable Stand CDR163	003104 <b>68577</b>	<b>CDR163</b>
Core Bit Quick Release Attachment	701846 <b>00938</b>	<b>408003</b>
Centering Aid	701846 <b>23517</b>	<b>409122</b>

\*= DATA PROVIDED BY MOTOR MANUFACTURER

**Recommended Core Bit**

Norton Clipper Classic  
See page 112

**ACCESSORIES FOR CORE DRILLING**

UPC	SMART PART #	DESCRIPTION	SIZE
701846 <b>69858</b>	<b>Y1017</b>	Nylon Washer	
701846 <b>65995</b>	<b>402760</b>	Extension	6" x 1-1/4" 7 Thread
701846 <b>48793</b>	<b>402758</b>	Extension	6" x 5/8" 11 Thread
701846 <b>48791</b>	<b>402756</b>	Extension	12" x 1-1/4" 7 Thread
701846 <b>48792</b>	<b>402757</b>	Extension	12" x 5/8" 11 Thread
701846 <b>49430</b>	<b>400148</b>	Coupling	1-1/4" – 7(F) – 5/8" – 11(M)
701846 <b>49797</b>	<b>400147</b>	Coupling	5/8" – 11(F) – 1 1/4" – 7(M)
701846 <b>83078</b>	<b>4913</b>	Drill Chuck Adapter	5/8"-11 thread to straight 1/2" shank



**NOTE:**

- WET BITS FROM 1" TO 1-1/2" DIAMETER HAVE 5/8"-11 THREADED ADAPTERS.
- WET BITS 1-3/4" DIAMETER AND LARGER HAVE 1-1/4"-7 THREADED ADAPTERS.
- CLASSIC, CHARGER, PARADIGM WET BITS HAVE 16" TUBE LENGTH AND PRODUCE 13" CORING DEPTH.
- DRY CUTTING BITS COME WITH 5/8"-11 THREADED ADAPTERS AND 11 INCH TUBE LENGTH.



**ACCESSORIES FOR CORE DRILLING** (CONTINUED)

UPC	SMART PART #	DESCRIPTION
003104 <b>68577</b>	<b>CDR163</b>	Portable Stand CDR163



UPC	SMART PART #	DESCRIPTION
701846 <b>23517</b>	<b>409122</b>	Centering Aid for Cardi



UPC	SMART PART #	DESCRIPTION
701846 <b>45802</b>	<b>408299</b>	Vacuum Pump for CD100



UPC	SMART PART #	DESCRIPTION
701846 <b>00938</b>	<b>408003</b>	Core Bit Quick Release Attachment



UPC	SMART PART #	DESCRIPTION
701846 <b>00927</b>	<b>408002</b>	Spacer Block



UPC	SMART PART #	DESCRIPTION
701846 <b>58498</b>	<b>402034</b>	Water Collector Ring



UPC	SMART PART #	DESCRIPTION
701846 <b>00983</b>	<b>408012</b>	Vacuum Base Gasket - DS5/DS6



UPC	SMART PART #	DESCRIPTION
003104 <b>94440</b>	<b>310494440</b>	Dust Collector 3/8" to 3" (10-85mm)
003104 <b>94441</b>	<b>310494441</b>	Dust Collector 3-1/2" to 6"



UPC	SMART PART #	DESCRIPTION
003104 <b>70303</b>	<b>310470303</b>	Water Collector 5" (130mm) Max Bit
003104 <b>70304</b>	<b>310470304</b>	Water Collector 10" (300) Max Bit



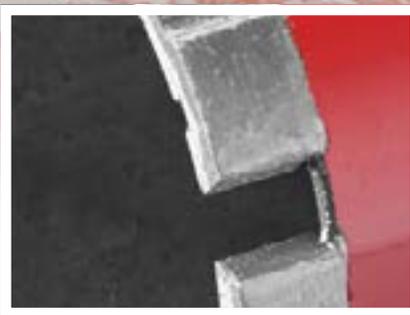
# hard to the core A NEW PARADIGM FOR DRILLING

You get a little “bit” more perfection with this innovative design of Norton Clipper Paradigm. 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

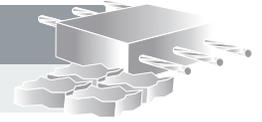
Turbo type design allows faster penetration.



### Large Segment Height

Extends product life.





## Reinforced Concrete and Harder Building Materials

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

### WET

#### PARADIGM

A turbo segment permits the core to penetrate quick and efficiently into the toughest cured concrete. With significantly increased performance over existing products in the market today, these provide the best tier solution without the premium price tag.

UPC	PART #	SIZE IN INCHES	SIZE IN MM	MAX RPM	SEGMENT HEIGHT
70184601410	PDBIT0200	2"	51mm	2000	.490"
70184601411	PDBIT0250	2-1/2"	64mm	1300	.490"
70184601412	PDBIT0300	3"	76mm	1300	.490"
70184601413	PDBIT0350	3-1/2"	89mm	1300	.490"
70184601414	PDBIT0400	4"	102mm	1000	.490"
70184601415	PDBIT0450	4-1/2"	114mm	800	.490"
70184601416	PDBIT0500	5"	127mm	800	.490"
70184601417	PDBIT0600	6"	152mm	665	.490"
70184601418	PDBIT0700	7"	178mm	600	.490"
70184601419	PDBIT0800	8"	203mm	500	.490"
70184601706	PDBIT1000	10"	254mm	400	.490"
70184601707	PDBIT1200	12"	305mm	330	.490"
70184601708	PDBIT1400	14"	356mm	285	.490"



Wet Bits from 1" to 1-1/2" diameter have 5/8"-11 threaded adapters.

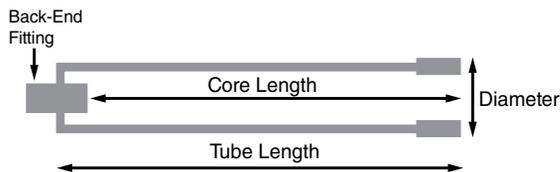
#### CHARGER

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
70184682778	CGBIT0100	1"	25mm	4,000	.375"
70184682779	CGBIT0125	1-1/4"	32mm	3,000	.375"
70184682780	CGBIT0150	1-1/2"	38mm	3,000	.375"
70184682781	CGBIT0175	1-3/4"	44mm	2,000	.375"
70184682782	CGBIT0200	2"	51mm	2,000	.475"
70184682783	CGBIT0225	2-1/4"	57mm	1,300	.475"
70184682784	CGBIT0250	2-1/2"	64mm	1,300	.475"
70184682785	CGBIT0300	3"	76mm	1,300	.475"
70184682786	CGBIT0350	3-1/2"	89mm	1,000	.475"
70184682787	CGBIT0400	4"	102mm	1,000	.475"
70184682788	CGBIT0425	4-1/4"	108mm	800	.475"
70184682789	CGBIT0450	4-1/2"	114mm	800	.475"
70184682790	CGBIT0500	5"	127mm	800	.475"
70184682791	CGBIT0600	6"	152mm	665	.475"
70184682792	CGBIT0700	7"	178mm	600	.475"
70184682793	CGBIT0800	8"	203mm	500	.475"
70184682794	CGBIT1000	10"	254mm	400	.475"
70184682795	CGBIT1200	12"	305mm	330	.475"
70184682796	CGBIT1400	14"	356mm	285	.475"



Wet Bits 1-3/4" diameter and larger have 1-1/4"-7 threaded adapters.



Classic, Charger, and Paradigm Wet Bits have a 16" Tube Length and produce a 13" Core Length





## Reinforced Concrete and Harder Building Materials

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

### WET



#### 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
70184684447	CHBIT0100	1"	25mm	4,000	.375"
70184684448	CHBIT0150	1-1/2"	38mm	3,000	.350"
70184682762	CHBIT0200	2"	51mm	2,000	.350"
70184682763	CHBIT0225	2-1/4"	57mm	2,000	.350"
70184682764	CHBIT0250	2-1/2"	64mm	1,300	.350"
70184682765	CHBIT0300	3"	76mm	1,300	.350"
70184682766	CHBIT0350	3-1/2"	89mm	1,300	.350"
70184682767	CHBIT0400	4"	102mm	1,000	.350"
70184682768	CHBIT0425	4-1/4"	108mm	1,000	.350"
70184682769	CHBIT0450	4-1/2"	114mm	800	.350"
70184682770	CHBIT0500	5"	127mm	800	.350"
70184682771	CHBIT0600	6"	152mm	665	.350"
70184682772	CHBIT0700	7"	178mm	600	.350"
70184682773	CHBIT0800	8"	203mm	500	.350"
70184682774	CHBIT1000	10"	254mm	400	.350"
70184682775	CHBIT1200	12"	305mm	330	.350"
70184682776	CHBIT1400	14"	356mm	285	.350"



Wet Bits from 1" to 1-1/2" diameter have 5/8"-11 threaded adapters.

Wet Bits 1-3/4" diameter and larger have 1-1/4"-7 threaded adapters.

### WET - PRESTRESSED CONCRETE



#### CHARGER



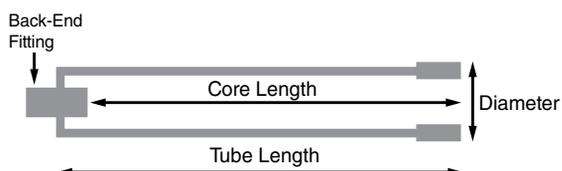
Fast drilling segments spaced to prevent segment loss when penetrating tensioned steel cable.

UPC	PART #	SIZE IN INCHES	SIZE IN MM	MAX RPM	SEGMENT HEIGHT
70184683983	CGPBIT0100	1"	25mm	4,000	.375"
70184683984	CGPBIT0125	1-1/4"	32mm	3,000	.375"
70184683985	CGPBIT0150	1-1/2"	38mm	3,000	.375"
70184683986	CGPBIT0175	1-3/4"	44mm	2,000	.375"
70184683987	CGPBIT0200	2"	51mm	2,000	.350"
70184683988	CGPBIT0225	2-1/4"	57mm	1,300	.350"
70184683989	CGPBIT0250	2-1/2"	64mm	1,300	.350"
70184683990	CGPBIT0300	3"	76mm	1,300	.350"
70184683991	CGPBIT0350	3-1/2"	89mm	1,000	.350"
70184683992	CGPBIT0400	4"	102mm	1,000	.350"
70184683993	CGPBIT0425	4-1/4"	108mm	800	.350"
70184683994	CGPBIT0450	4-1/2"	114mm	800	.350"
70184683995	CGPBIT0500	5"	127mm	800	.350"
70184683996	CGPBIT0600	6"	152mm	665	.350"
70184683997	CGPBIT0700	7"	178mm	600	.350"
70184683998	CGPBIT0800	8"	203mm	500	.350"
70184683999	CGPBIT1000	10"	254mm	400	.350"
70184684000	CGPBIT1200	12"	305mm	330	.350"
70184684001	CGPBIT1400	14"	356mm	285	.350"



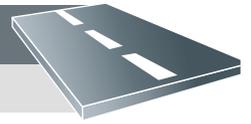
Wet Bits from 1" to 1-1/2" diameter have 5/8"-11 threaded adapters.

Wet Bits 1-3/4" diameter and larger have 1-1/4"-7 threaded adapters.



Classic, Charger, and Paradigm Wet Bits have a 16" Tube Length and produce a 13" Core Length





## Asphalt and Abrasive Materials

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

**WET** 

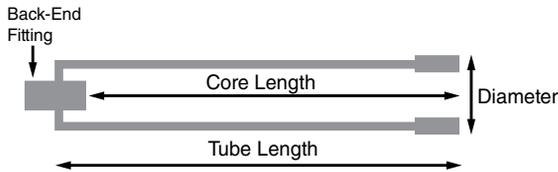
### CHARGER

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
70184684149	CGABIT0200	2"	51mm	2,000	.350"
70184684150	CGABIT0300	3"	76mm	1,300	.350"
70184684151	CGABIT0400	4"	102mm	1,000	.350"
70184684152	CGABIT0500	5"	127mm	800	.350"
70184684153	CGABIT0600	6"	152mm	665	.350"



Wet Bits from 1" to 1-1/2" diameter have 5/8"-11 threaded adapters.



Classic, Charger, and Paradigm Wet Bits have a 16" Tube Length and produce a 13" Core Length

## 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
70184683300	CGDBIT0100	1"	25mm	6,000	.275"
70184683301	CGDBIT0125	1-1/4"	32mm	6,000	.275"
70184683302	CGDBIT0150	1-1/2"	38mm	6,000	.275"
70184683303	CGDBIT0175	1-3/4"	44mm	5,000	.276"
70184683304	CGDBIT0200	2"	51mm	5,000	.275"
70184683305	CGDBIT0250	2-1/2"	64mm	5,000	.275"
70184683306	CGDBIT0300	3"	76mm	5,000	.275"
70184683307	CGDBIT0350	3-1/2"	89mm	5,000	.275"
70184683308	CGDBIT0400	4"	102mm	5,000	.275"
70184683309	CGDBIT0450	4-1/2"	114mm	5,000	.275"
70184683310	CGDBIT0500	5"	127mm	3,500	.275"
70184683311	CGDBIT0600	6"	152mm	2,500	.275"



Dry Core Bits have 5/8"-11 threaded adapters.



# MERCHANDISING SOLUTIONS

## OUR SELF-SELLING GOAL

Over two thirds of final consumer purchase decisions are made at the point-of-sale. The interaction between the product, the distributor and the consumer is key to the success of selling product.

New Norton Clipper branded display kits have been designed with a selection of components to help tailor the display for different products and merchandising requirements. In addition, a range of point-of-sale materials are available to further support sales growth for masonry, rental and construction supply distributors.



## NORTON CLIPPER GONDOLA (BACKWALL) MERCHANDISER DISPLAY KIT

The complete kit comes with all components needed to create a full display for all Norton Clipper products. Wall merchandiser as shown is 40" wide x 90" high. This kit can be configured to fit 40" wide x 48" high aisle gondola set.



Backwall Merchandiser Display  
Kit #: 0410048416

### Kit Contains:



Norton Clipper header (Qty 1)



Pegboards (Qty 4)



Double peg hooks for diamond clamshell packages (Qty 15)



Base (Qty 1)



Shelf (Qty 1)



Display legs (Qty 4)



Single peg hooks for abrasive products (Qty 20)

Additional merchandising elements available and can be ordered separately:



Light Kit / UPC # 70184601803 – 36" long light tucks up behind sign, GE, 36" (91.4cm) warm white bulb 1"

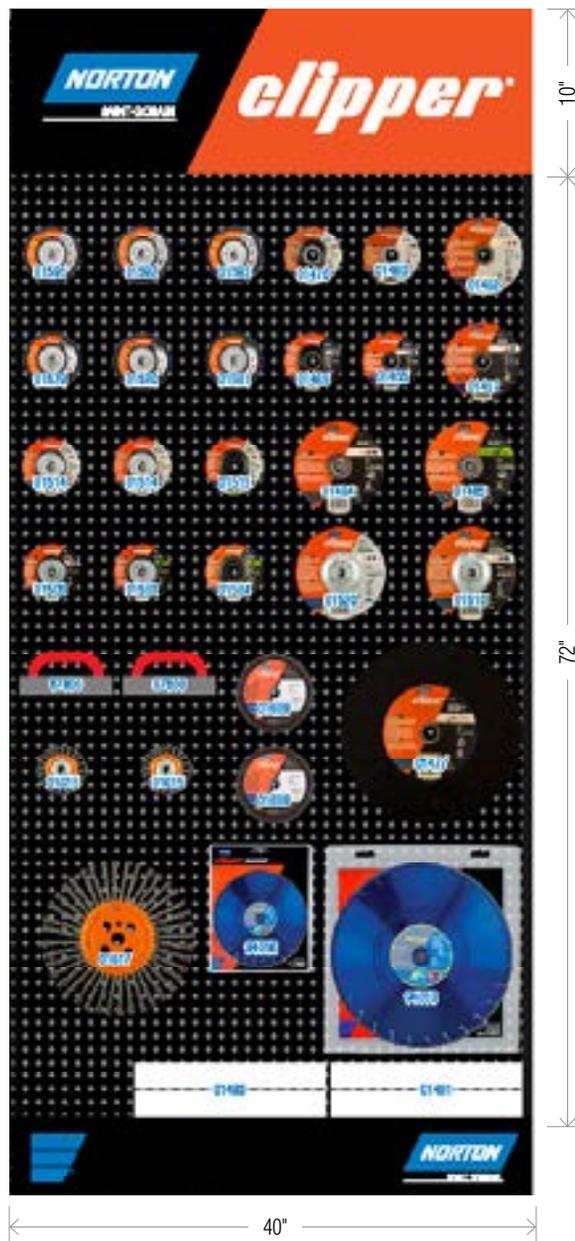


Core Bit Hangers / UPC # 00510120422 – Effectively display your range of core bits with these simple hangers that can fit a wide range of Norton Clipper core bits

## STARTING RECOMMENDATIONS FOR BEST WALL SETS

### Contractor Supply Starter Abrasives Set

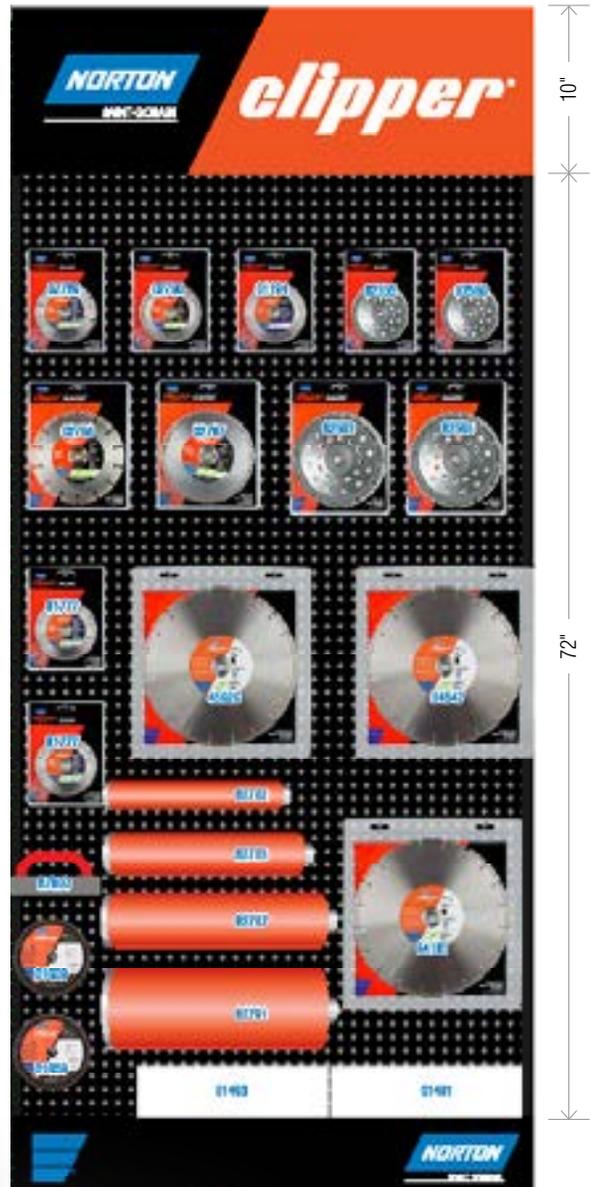
PART #	DESCRIPTION	QTY
<b>Grinding Wheels</b>		
70184601502	Norton Clipper Classic 4-1/2" x 1/4" x 5/8"-11 Concrete	10
70184601503	Norton Clipper Classic 4-1/2" x 1/4" x 5/8"-11 Metal / Stainless	10
70184601504	Norton Clipper Classic 4-1/2" x 1/4" x 7/8" Concrete	25
70184601514	Norton Clipper Charger 4-1/2" x 1/4" x 5/8"-11 Metal / Stainless	10
70184601515	Norton Clipper Charger 4-1/2" x 1/4" x 7/8" Metal / Stainless	25
70184601510	Norton Clipper Classic 7" x 1/4" x 5/8"-11 Metal / Stainless	10
70184601520	Norton Clipper Charger 7" x 1/4" x 5/8"-11 Metal / Stainless	10
<b>Cut-off Wheels</b>		
70184601455	Norton Clipper Classic Type 01 4-1/2" x .040" x 7/8" Metal / Stainless	25
70184601465	Norton Clipper Classic Type 27 4-1/2" x .045" x 7/8" Metal / Stainless	25
70184601457	Norton Clipper Classic Type 01 6" x .040" x 7/8" Metal / Stainless	25
70184601460	Norton Clipper Charger Type 01 4-1/2" x .045" x 7/8" Metal / Stainless	25
70184601470	Norton Clipper Charger Type 27 4-1/2" x .045" x 7/8" Metal / Stainless	25
70184601462	Norton Clipper Charger Type 01 6" x .045" x 7/8" Metal / Stainless	25
<b>Circular Saw Wheels</b>		
70184601484	Norton Clipper Classic 7" x 3/32" x DM-5/8" Metal	25
70184601485	Norton Clipper Classic 7" x 3/32" x DM-5/8" Concrete	25
<b>Flap Discs</b>		
70184601579	Norton Clipper Classic 4-1/2" x 5/8"-11 Type 27 Flat 40 Grit	10
70184601580	Norton Clipper Classic 4-1/2" x 5/8"-11 Type 27 Flat 60 Grit	10
70184601581	Norton Clipper Classic 4-1/2" x 5/8"-11 Type 27 Flat 80 Grit	10
70184601591	Norton Clipper Charger 4-1/2" x 5/8"-11 Type 27 Heavy Duty 40 Grit	10
70184601592	Norton Clipper Charger 4-1/2" x 5/8"-11 Type 27 Heavy Duty 60 Grit	10
70184601593	Norton Clipper Charger 4-1/2" x 5/8"-11 Type 27 Heavy Duty 80 Grit	10
<b>Norton Clipper DiaLast</b>		
70184694056	Norton Clipper DiaLast 7"	2
70184694053	Norton Clipper DiaLast 14"	2
<b>Chop Saw Wheel</b>		
70184601477	Norton Clipper Classic 14" x 3/32" x 1" Metal Side Reinforced	10
<b>High-Speed Wheels – Universal Arbor</b>		
70184601493	Norton Clipper Classic 14" x 1/8" x 1" 20mm High-Speed Metal	10
70184601491	Norton Clipper Classic 14" x 1/8" x 1" 20mm High-Speed Concrete	10
<b>Wire Brushes</b>		
70184601615	Norton Clipper Classic 4" x .020" x 5/8"-11 Std CS Twist Knot Wheel	5
70184601617	Norton Clipper Classic 12" x .035" x 1" CS Joint/Crack Cleaning Brush	2
<b>Miscellaneous Abrasives</b>		
70184601609	Norton Clipper Classic 6/4-3/4" x 2" x 5/8"-11 Concrete Cup	5
61463687800	Rubbing Brick	5



STARTING RECOMMENDATIONS FOR BEST WALL SETS

Contractor Supply Starter Diamond and Abrasive Set

PART #	DESCRIPTION	QTY
<b>Core Bits</b>		
70184682782	Norton Clipper Charger 2" Bit	1
70184682785	Norton Clipper Charger 3" Bit	1
70184682787	Norton Clipper Charger 4" Bit	1
70184682791	Norton Clipper Charger 6" Bit	1
<b>Diamond Blades</b>		
07660702790	Norton Clipper Classic 4-1/2" x .080" x 7/8"-5/8"-20mm Turbo	2
07660701194	Norton Clipper Classic 4-1/2" x .080" x 7/8"-5/8"-20mm Continuous	2
07660702789	Norton Clipper Classic 4-1/2" x .080" x 7/8"-5/8"-20mm Segmented	2
70184684547	Norton Clipper 4x4 14" x .118" x 1"-20mm Segmented	2
70184645926	Norton Clipper 4x4 MaxCut iHD 14" x .125" x 1"-20mm Segmented	2
70184684181	Norton Clipper ValuPlus 14" x .110" x 1"-20mm Segmented	5
07660702786	Norton Clipper Classic 7" x .080" x DM-7/8"-5/8" Segmented	2
07660702787	Norton Clipper Classic 7" x .090" x DM-7/8"-5/8" Turbo	2
<b>Diamond Cups</b>		
70184682595	Norton Clipper Classic 7" x 5/8"-11 Double Row	2
70184682593	Norton Clipper Classic 7" x 5/8"-11 Single Row	2
70184682555	Norton Clipper Classic 4" x 5/8"-11 Single Row	2
70184682586	Norton Clipper Classic 4" x 5/8"-11 Double Row	2
<b>Diamond Tuck Point</b>		
70184681777	Norton Clipper Classic 4-1/2" x .250" x 7/8"-5/8"-20mm Tuck Point	2
<b>Abrasives</b>		
70184601493	Norton Clipper Classic 14" x 1/8" x 1"-20mm UA High Speed Metal	10
70184601491	Norton Clipper Classic 14" x 1/8" x 1"-20mm UA High Speed Concrete	10
70184601609	Norton Clipper Classic 6/4-3/4" x 2" x 5/8-11 Concrete Cup	5
61463687800	Rubbing Brick	5



## NORTON CLIPPER FREE-STANDING MERCHANDISER DISPLAY KIT

Free-standing displays for most popular High-Speed Saw/Diamond/Abrasives displays where customers can view in open area of a showroom. High-quality construction. Consistent branding and graphics. This free standing unit as shown is 40" wide at base x 90" high.



Free-standing Merchandiser Display  
Kit #: 510116151

### Kit Contains:



Norton Clipper header (Qty 1)



Clipper header (Qty 2)



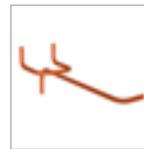
Shelves (Qty 3)



Pegboards (Qty 3)



Double peg hooks for diamond clamshell packages (Qty 15)



Single peg hooks for abrasive products (Qty 20)

Additional merchandising elements available and can be ordered separately:



Core Bit Hanger / UPC # 00510120422 – Effectively display your range of core bits with these simple hangers that can fit a wide range of Norton Clipper core bits

## STARTING RECOMMENDATIONS FOR BEST FREE-STANDING SETS

### Saw Side

PART #	DESCRIPTION	QTY
<b>High Speed Gas Saw</b>		
70184647565	Norton Clipper 14" iLube High-Speed Gas Saw	1
<b>Diamond Blades</b>		
70184684547	Norton Clipper 4x4 14" x .118" x 1" 20mm – Segmented	5
<b>Abrasives – Universal Arbor</b>		
70184601493	Norton Clipper Classic 14" x 1/8" x 1"-20mm High Speed Metal	10
70184601491	Norton Clipper Classic 14" x 1/8" x 1"-20mm High Speed Concrete	10



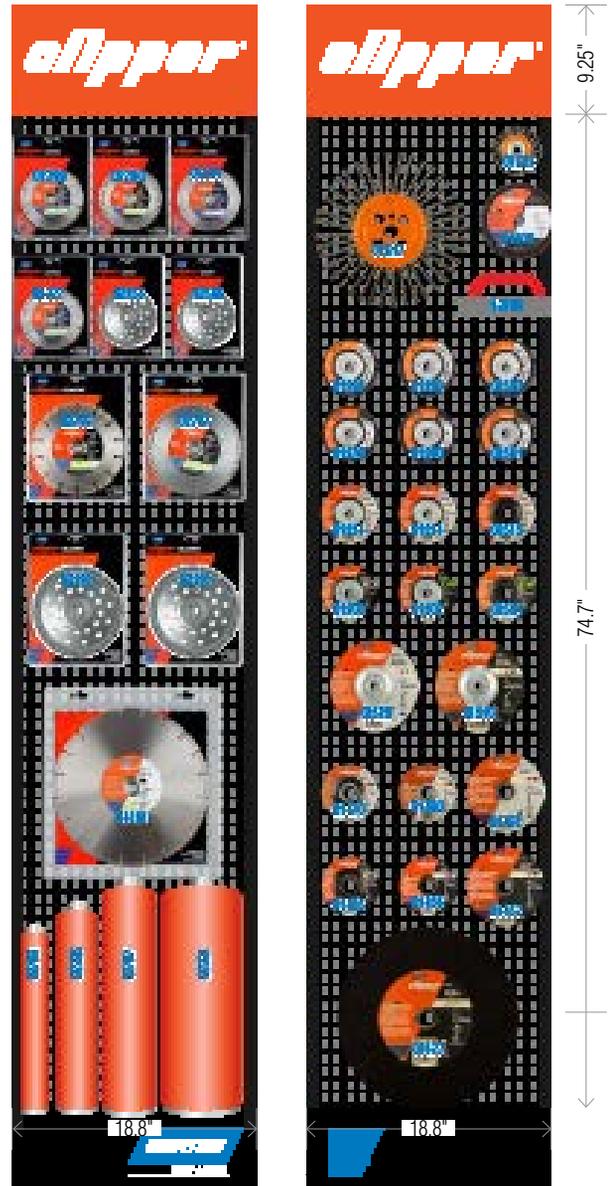
STARTING RECOMMENDATIONS FOR BEST FREE-STANDING SETS

Diamond Side

PART #	DESCRIPTION	QTY
<b>Core Bits</b>		
70184682782	Norton Clipper Charger 2" Bit	1
70184682785	Norton Clipper Charger 3" Bit	1
70184682787	Norton Clipper Charger 4" Bit	1
70184682791	Norton Clipper Charger 6" Bit	1
<b>Diamond Blades</b>		
07660702790	Norton Clipper Classic 4-1/2" x .080" x 7/8"-5/8"-20mm Turbo	2
07660701194	Norton Clipper Classic 4-1/2" x .080" x 7/8"-5/8"-20mm Continuous	2
07660702789	Norton Clipper Classic 4-1/2" x .080" x 7/8"-5/8"-20mm Segmented	2
70184684547	Norton Clipper 4x4 14" x .118" x 1"-20mm- Segmented	2
70184645926	Norton Clipper 4x4 MaxCut iHD 14" x .125" x 1"-20mm- Segmented	2
70184684181	Norton Clipper ValuPlus 14" x .110" x 1"-20mm- Segmented	5
07660702786	Norton Clipper Classic 7" x .080" x DM-7/8"-5/8" Segmented	2
07660702787	Norton Clipper Classic 7" x .090" x DM-7/8"-5/8" Turbo	2
<b>Diamond Cups</b>		
70184682595	Norton Clipper Classic 7" x 5/8"-11 Double Row	2
70184682593	Norton Clipper Classic 7" x 5/8"-11 Single Row	2
70184682555	Norton Clipper Classic 4" x 5/8"-11 Single Row	2
70184682586	Norton Clipper Classic 4" x 5/8"-11 Double Row	2
<b>Diamond Tuck Point</b>		
70184681777	Norton Clipper Classic 4-1/2" x .250" x 7/8"-5/8"-20mm Tuck Point	2

Abrasive Side

PART #	DESCRIPTION	QTY
<b>Grinding Wheels</b>		
70184601502	Norton Clipper Classic 4-1/2" x 1/4" x 5/8"-11 Concrete	10
70184601503	Norton Clipper Classic 4-1/2" x 1/4" x 5/8"-11 Metal / Stainless	10
70184601504	Norton Clipper Classic 4-1/2" x 1/4" x 7/8" Concrete	25
70184601514	Norton Clipper Charger 4-1/2" x 1/4" x 5/8"-11 Metal / Stainless	10
70184601515	Norton Clipper Charger 4-1/2" x 1/4" x 7/8" Metal / Stainless	25
70184601510	Norton Clipper Classic 7" x 1/4" x 5/8"-11 Metal / Stainless	10
70184601520	Norton Clipper Charger 7" x 1/4" x 5/8"-11 Metal / Stainless	10
<b>Cut-off Wheels</b>		
70184601455	Norton Clipper Classic Type 01 4-1/2" x .040" x 7/8" Metal / Stainless	25
70184601465	Norton Clipper Classic Type 27 4-1/2" x .045" x 7/8" Metal / Stainless	25
70184601457	Norton Clipper Classic Type 01 6" x .040" x 7/8" Metal / Stainless	25
70184601460	Norton Clipper Charger Type 01 4-1/2" x .045" x 7/8" Metal / Stainless	25
70184601470	Norton Clipper Charger Type 27 4-1/2" x .045" x 7/8" Metal / Stainless	25
70184601462	Norton Clipper Charger Type 01 6" x .045" x 7/8" Metal / Stainless	25
<b>Circular Saw Wheels</b>		
70184601484*	Norton Clipper Classic 7" x 3/32" x DM-5/8" Metal	25
70184601485*	Norton Clipper Classic 7" x 3/32" x DM-5/8" Concrete	25
<b>Flap Discs</b>		
70184601579	Norton Clipper Classic 4-1/2" X 5/8"-11 Type 27 Flat 40 Grit	10
70184601580	Norton Clipper Classic 4-1/2" X 5/8"-11 Type 27 Flat 60 Grit	10
70184601581	Norton Clipper Classic 4-1/2" X 5/8"-11 Type 27 Flat 80 Grit	10
70184601591	Norton Clipper Charger 4-1/2" X 5/8"-11 Type 27 Heavy Duty 40 Grit	10
70184601592	Norton Clipper Charger 4-1/2" X 5/8"-11 Type 27 Heavy Duty 60 Grit	10
70184601593	Norton Clipper Charger 4-1/2" X 5/8"-11 Type 27 Heavy Duty 80 Grit	10
<b>Chop Saw Wheel</b>		
70184601477	Norton Clipper Classic 14" x 3/32" x 1" Metal Side Reinforced	10
<b>Wire Brushes</b>		
70184601615	Norton Clipper Classic 4" x .020" x 5/8"-11 Std CS Twist Knot Wheel	5
70184601617	Norton Clipper Classic 12" x .035" x 1" CS Joint/Crack Cleaning Brush	2
<b>Miscellaneous Abrasives</b>		
70184601609	Norton Clipper Classic 6/4-3/4" x 2" x 5/8"-11 Concrete Cup	5
61463687800	Rubbing Brick	5





Abrasive Aisle Talker  
UPC # 70184695555

Quickly and easily understand and sell the range of coated and bonded abrasive products in a way that keeps things aligned and easily accessible by the consumer. Size 36" high x 12" wide. Spanish on reverse.

Mounting hooks included



Diamond Aisle Talker  
UPC # 70184695555

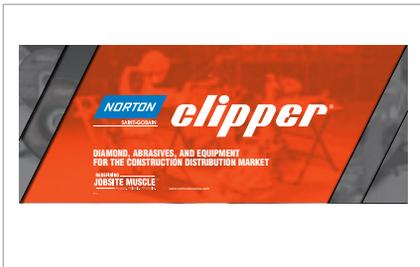
The diamond blade talkers describe which diamond products work best of each application. Our 5 step specification method makes it simple to recommend the right diamond product for each job. Size 36" high x 12" wide. Spanish on reverse.

Mounting hooks included



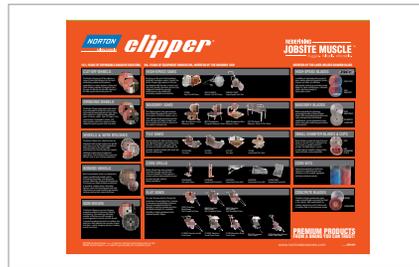
Diamond Blade Selection Guide  
11" x 17" / Form # 8678  
25" x 38" / Form # 8679

A quick reference guide to help easily identify the proper blade to select for your application. Available in a double sided 11x17 sheet, or a full size wall poster.



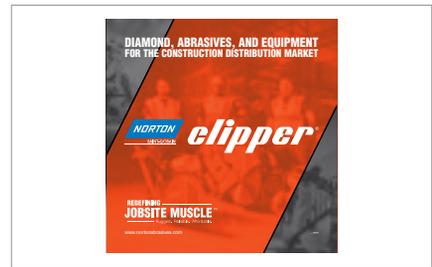
Norton Clipper Banner  
Form # 8650

Bring more brand awareness to your showroom by displaying our 60" x 24" vinyl banner highlighting our diamond blades, abrasives and construction equipment.



Norton Clipper Counter Mat  
Form # 8649

Advertise premium Norton Clipper products and reputable history at checkout with this 21" x 16" counter mat. This showcases all of the reasons why Norton Clipper is your most reliable source for all your cutting and grinding construction jobsite solutions.



Norton Clipper Floor Decal  
Form # 8648

Take a step in the right direction and give your showroom a more professional look by installing our custom vinyl floor decal. A nice visual to help promote the Norton Clipper brand.

Simplified Packaging

taking less talk  
**TO CUT MORE ROCK!**



In addition to our self-selling packaging, we have a new look for our premium iHD diamond blades. Using a brand new technology industrialized for the first time by Norton Clipper, the blade information is printed directly on the entire surface of the diamond blade. This creates an IMPROVED VISUAL IMPACT FOR YOUR SHOWROOM!



“ We have a very large showroom with many vendors, the Norton Clipper point-of-purchase display is the center of attention. It's bright, well organized and features all our fastest moving items. We call it our silent sales person – as customers browse the store they are attracted to the large display and pick the right products to do the job and are out quick and back on the job site. Our silent sales person is so effective that our biggest challenge is keeping the display full as the Norton Clipper products fly off the hooks. Our sales from the point-of-purchase display are incredibly strong; this maximizes our turns and earns. If we didn't have such a great point-of-purchase display our sales of Norton Clipper products wouldn't be as great as they are today.”

– **Unicon Concrete Specialties,**  
Edmonton, Alberta Canada



## Breakages/Personal Injury

In the event of on-machine breakage of Norton Clipper abrasive products, call your local Norton Clipper Distributor immediately. Whether involving personal injury or not, the user should leave the equipment and other evidence undisturbed until a Norton Clipper Sales Representative has been notified and conducts an investigation. Prompt action on the part of product user, Distributor and Norton Clipper 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.

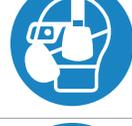
For more information on product safety, ask your Norton Distributor for these publications:

- "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

## UAMA Approved Safety Icons

The UAMA has approved a new set of standardized icons to be used throughout the Abrasive industry to convey safety information to the users. Below are the approved icon types and their definitions.

ICON TYPES	EXAMPLE
<p><b>Safety Icon:</b> A pictorial whose purpose is to relay safety related information to the user.</p>	
<p><b>Hazard Alert Icon:</b> This type of safety icon conveys information primarily related to the nature of a hazard. It contains a graphical depiction of the hazard drawn within a yellow equilateral triangle.</p>	
<p><b>Prohibition Icon:</b> This type of safety icon conveys actions that should not be taken. It consists of a red circular band with a 45° diagonal red band from upper left to lower right. The icon contains a black depiction of what should not be done within the red band on a white background.</p>	
<p><b>Mandatory Action Icon:</b> This type of safety icon conveys actions that should be taken to avoid hazards. It consists of a white image within a solid blue or black circular surround shape.</p>	
<p><b>Proper Machine Use Icon:</b> This type of icon is designed to show the use of the wheel on a proper machine. The icon can be a bit more realistic to show components such as a safety guard and an auxiliary handle. The recommended angle of use may also be depicted.</p>	

ICON	MEANING	ICON	MEANING
	Improper use may break wheel and cause serious injury or death.		Always use wheel guard for angle grinder.
	No side grinding. Cutting only.		Always use wheel guard for non-portable machine.
	No side grinding. Cutting only		Protect your eyes.
	No cutting. Side grinding only.		Protect your face.
	No cutting. Side grinding only, grouped icon.		Protect your lungs against dust.
	Do not use a damaged wheel.		Protect your hearing.
	Do not use on High Speed Gas Saws.		Protect your eyes and face.
	Do not use on Angle Grinders.		Protect your eyes and hearing. Combined icon.
	Do not use on die grinders		Protect your eyes, ears and lungs.
	Warning alert symbol.		Protect your hands.
	Read OSHA and ANSI B7.1.		Use matched diameter, relieved flanges.
	Read OSHA and ANSI B7.1. Visit the industry safety page: <a href="http://www.safety.uama.org">www.safety.uama.org</a>		

## Silica and What You Need to Know

### Background and Health impacts

Silica (SiO<sub>2</sub>) is one of the most common minerals in the earth's crust. Glass, beach sand, silicone and granite are all "silica" materials. Products containing silica have been used for thousands of years in building and is a key ingredient in many products we use every day. There are two forms of silica; crystalline and non-crystalline. Crystalline silica is a mineral that occurs in several forms. Quartz, the most common form, is a component of sand, stone, rock concrete, brick, block and mortar. Non-crystalline silica is found in glass, silicon carbide and silicone.

When rocks containing crystalline silica are cut, crushed, ground, drill or used in similar industrial processes, dust particles are produced. These particles are very fine, at least 100 times smaller than ordinary beach sand – known as respirable crystalline silica or RCS. Inhaling very small or respirable crystalline silica particles is most hazardous and may cause multiple diseases such as silicosis, followed in severe cases by lung cancer.

### Who is at risk from exposure to crystalline silica?

It is estimated that 2.3 million workers are exposed to crystalline silica on the job. The majority of the workers, about 2 million, are in the construction industry. The hazard exists when specific activities create respirable dust that is released into the air.

### The New OSHA Standard

OSHA's recently implemented silica standards for Construction "29 CFR 1926.1153" and General Industry "29 CFR 1910.1053" suggests procedures applicable for work in these environments. This new standard affects all activities that generate silica dust on a jobsite. Trades involving brick, stone, concrete and other materials that are difficult to replace must comply with the standard. This is a change around "process", not specific products.

### Impacts on Industry

Industries affected by this regulation include Construction, Glass manufacturing, Pottery products, Structural clay products, Concrete products, Foundries, Cut stone and Stone products, Railroads, Refractory products and Asphalt products manufacturing to name a few. Always read the Safety Data Sheet for the workpiece and abrasive before use.

The Occupational Safety and Health Administration (OSHA) has a number of available resources to help companies understand the general information and requirements to explain the new regulations including:

OSHA's Crystalline Silica Rule: Construction  
<https://www.osha.gov/Publications/OSHA3681.pdf>

OSHA Fact Sheet  
<https://www.osha.gov/publications/OSHA3682.pdf>

Small Entity Compliance Guide for Respirable Crystalline Silica Standard for Construction  
<https://www.osha.gov/publications/OSHA3902.pdf>

Small Entity Compliance Guide for Respirable Crystalline Silica Standard for General Industry and Maritime  
<https://www.osha.gov/publications/OSHA3911.pdf>



## 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

- 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.
- 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

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

## How to Use Your Masonry Saw for Wet Cutting

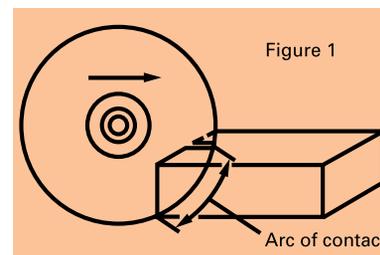
Water may be supplied either by filling the water pan to within 1/2” of top, or for a continuous flow of clean water use a barrel. When using water from barrel, remove water pump from pan and submerge it in water barrel. Remove the drain plug so the used water and sludge will drain from pan.

- Prepare water supply.
- Install water curtain on cutting head pivot bar.
- 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.)
- Handle on petcock should be turned in line with the water flow. Start motor and be certain that both sides of the blade are getting an adequate flow of water.
- At all times make sure that the water level covers the screen on the bottom of the pump. Do not let sludge and dirt get deep enough in the pan to block the pump inlet.
- Use “Step Cutting” with abrasive blades as previously described.
- 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.



- 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.
- 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.**
- 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.
- When a new diamond blade is broken in, make the first few cuts slowly until the blade cuts freely and easily.
- 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.
- 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.

## 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			



**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

**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.



**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



**Infiltrated High-Density (iHD) technology** achieves high uniform density across each whole segment without applying high pressure like the standard segment process. It processes a robust segments that wear evenly, remain intact, and perform faster at higher cutting speeds.



**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.



The steel core design of **Norton Clipper 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.



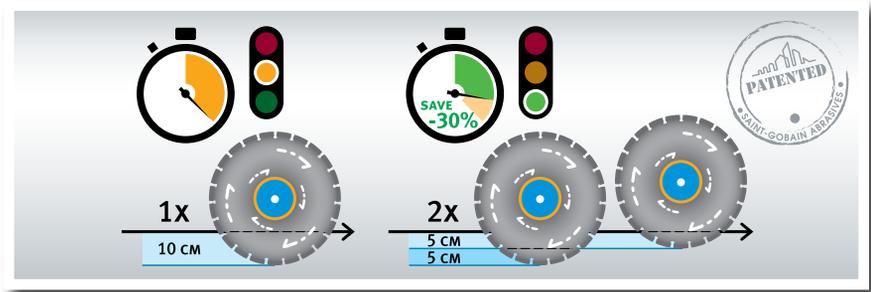
In the early 80's, Norton revolutionized the diamond blade market by developing the process of **laser welding** diamond segments to the steel center. This allowed, for the first time, laser-welded diamond products to cut dry on a very wide range of masonry and construction materials while returning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



The unique laser-welded gullets, split segment design of the **Norton Clipper DUO**, and ellipsoidal shaped gullets of the **Norton Clipper 4X4, 4X4 MaxCut and 3X3** substantially increase product safety, provide smooth cuts, and help remove debris from the cutting area. Both patented gullets increase cutting speed and life of the blade.



**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.

Come see Norton Clipper products up close and in person by visiting our booths at our annual trade shows. This experience cannot be replaced by a phone call, website, brochure or catalog.



## WORLD OF CONCRETE

World of Concrete is the commercial construction industry's largest annual international event for concrete and masonry professionals. The trade show attracts approximately 1,500 exhibiting companies of original equipment manufacturers from around the world and exclusive U.S. distributors of equipment, tools, products and services for the commercial construction, concrete and masonry industries. WOC occupies more than 700,000 square feet of indoor and outdoor exhibit space.



The ARA Show is the American Rental Association's annual convention and trade show for the equipment and event rental industry. It features equipment for construction/industrial, general tool/light construction and party/special event rental segments. More than 700 exhibitors attend each year to network with peers and offer exclusive show-only specials.



STAFDA (Specialty Tools and Fasteners Distributors Association) represents over 2,500 members from the construction/industrial supply chain industries who make STAFDA their number one source for business networking, education, and strength to advance the industry.



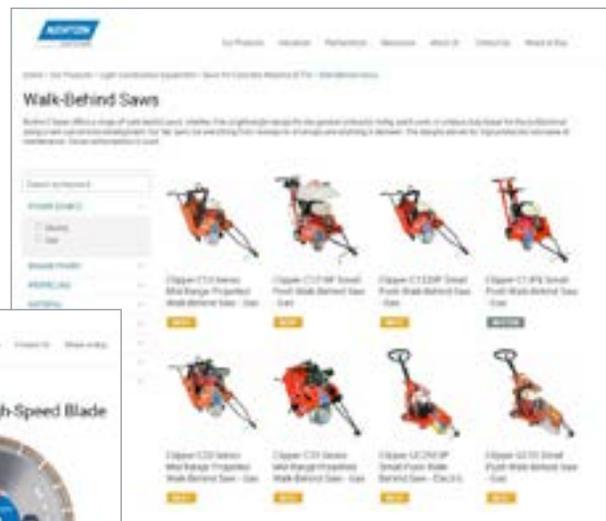
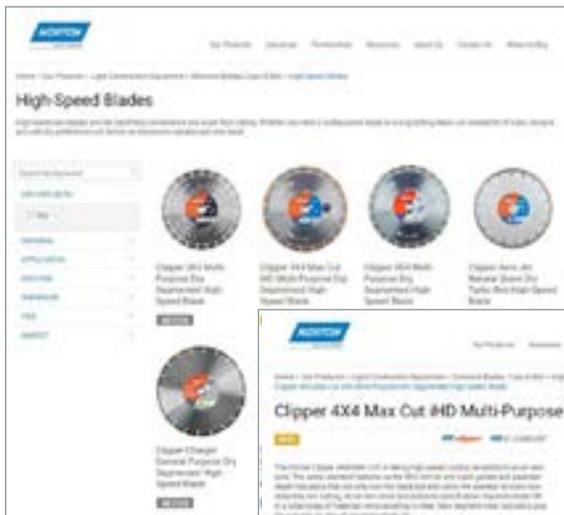
The Canadian Concrete Expo is the only national trade show in Canada dedicated to the Concrete Construction and Aggregate industries. The show hosts over 350 exhibitors and over 6000 attendees, filling 300,000 sq.ft. of space.



## Visit Us Online 24/7

Our website continues to evolve in order to provide fuller content with enhanced product information and application solutions. This catalog is a great starting resource for Norton Clipper product selection, but the website is the ideal resource for a more comprehensive product outline which is continually updated with all our most current information, and offers more electronic queries for deeper detail, at a click of a button: [www.nortonabrasives.com](http://www.nortonabrasives.com)

Building & Construction page:  
[www.nortonsga.us/NortonClipper](http://www.nortonsga.us/NortonClipper)



## Trademarks

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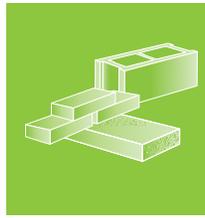


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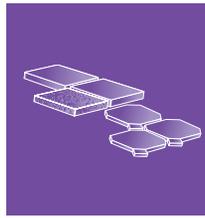
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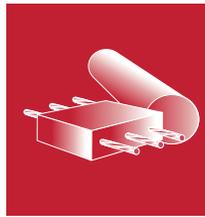
General Purpose and Masonry Building Materials

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



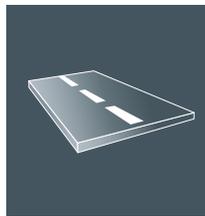
Natural Stone and Tiles

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



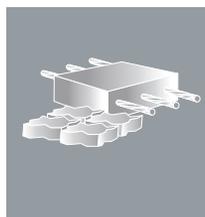
Rescue, Demolition

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.



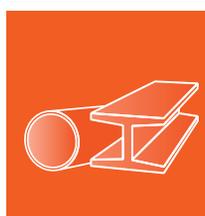
Reinforced Concrete and Harder Building Materials

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



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.



Steel & Stainless

General-purpose ferrous metals (steel, iron, welds), stainless steel and other high-strength alloys.



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