

**NORTON**

SAINT-GOBAIN

**clipper**<sup>®</sup>

**CATALOG #7719**

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

**ABRASIVES**

**HIGH-SPEED**

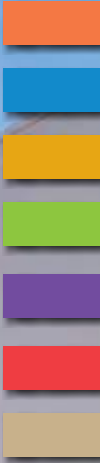
**WALK BEHIND**

**MASONRY**

**TILE**

**PORTABLE HAND-HELD**

**CORE DRILL**



REDEFINING  
**JOBSITE MUSCLE**<sup>™</sup>

  
**SAINT-GOBAIN**

# QUICK REFERENCE

## Abrasive Products



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## ABRASIVE PERFORMANCE TIERS

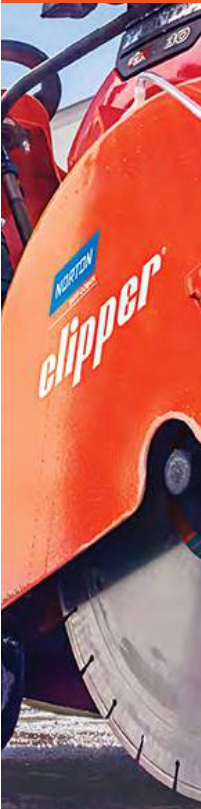
++++ 4  
**Better**

Norton Clipper Charger - High Performance

+++ 3  
**Good**

Norton Clipper Classic - Consistent Performance

## Premium Diamond Products



**4X4**  
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**DUO Small Diameter**  
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**Paradigm**  
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**iHD Cup Wheels**  
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## DIAMOND PERFORMANCE TIERS

◆◆◆◆◆ 5  
**Best**

Best Performance

◆◆◆◆ 4  
**Better**

Norton Clipper Charger - High Performance

◆◆◆◆◆ 3 ◆◆◆◆ 2 ◆◆◆◆ 1  
**Value and Good**

Norton Clipper Classic - Consistent Performance

# QUICK REFERENCE

## High-Speed Saws



CP500 Cut-Off Saws  
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CP500 Cut-Off Saws  
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## Flat Saws



35HP Gasoline  
Mid-Range  
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20HP Gasoline  
Mid-Range  
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C1318P Gasoline  
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C13PE Gasoline  
Small Push Saws  
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GC55 Early Entry/  
Green Small Push  
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GC25EUP Early  
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## Masonry Saws



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BBC Blockbuster  
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HDR600C  
Hand-Held Core Drill  
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HHDETOL  
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HHDET1800  
Hand-Held Core Drill  
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## TRADEMARKS

All trademarks used in this catalog are the property of Saint-Gobain, unless otherwise indicated.

4X4™ MaxCut™  
Aero-Jet™  
Blockbuster®

Charger™  
Classic™  
Clipper®

DUO® EVO™  
GMAX™  
iHD™

Norton®  
Paradigm®  
Rescue Runner™

Silencio™  
Slicer™  
ValuPlus™

Redefining Jobsite Muscle™

# Norton Clipper Redefines Jobsite Muscle

Norton Clipper has taken the core strengths of two brands, Norton and Clipper, and merged them into an even stronger entity so that we deliver a unified product offering with a name that can be trusted for quality, durability, speed, life and value.

For 80 years, the Clipper brand has been a trusted equipment source on the jobsite. For over 130 years, the Norton brand has been a leader of product innovations in cutting and grinding applications. Now, the "Norton Clipper" brand will cut a new path for future growth with an industry-leading product line of diamond, abrasives and light equipment for the concrete and construction rental market with the relentless performance you've come to expect.

## New Abrasive Portfolio:

We have expanded the Norton Clipper brand to a select offering of abrasives for cutting and grinding solutions with a simplified two tier approach. Good is represented with the Classic sub-brand and Better with Charger. This line of abrasive products has the trusted performance you have come to expect but at an affordable price point that is sure to make you and your customers happy.

## Diamond Blades/Bits/Cups:

In addition to the change from Norton to Norton Clipper name, there is a new design for blotters, insert cards and labels that harmonizes across product tiers with a stronger use of the Norton Clipper orange color. This creates a universal look that ties to the other products sold within the construction channel as well as more closely tie our diamond blades to the machines they go on. Each package is still trilingual with application color-coding, performance ranking, machine pictograms, and sub-brand tiering. No changes have been made to the product or their respective UPCs.





## Equipment:

We have kept the established nomenclature of BBM, CP500, etc. and converted to a new color scheme with new branding decals and striping. The new look is a contemporary styling with a brighter orange and added pop of blue. Now, more easily recognizable on the jobsite too. No changes have been made to the product quality or the product UPCs.



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

**NORTON**

SAINT-GOBAIN

**clipper**<sup>®</sup>

# ABRASIVES LINE

NEW IN 2017!

## 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**<sup>™</sup>

Rugged. Reliable. Affordable.



**WARNING**

Never use on palm grip air Sanders. Use machine guard for Type 27 wheels. Never exceed MAX RPM. Never drop, use excessive pressure. Use proper eye, face and respiratory protection. Comply with OSHA, ANSI B7.1 and Safety Guide. Contact manufacturer for this free information. Failure to do so may cause injury or death.

**AVERTISSEMENT**

Ne jamais utiliser sur des perceuses pneumatiques à poignée manuelle. Toujours utiliser les machines, les protège-visages et les dispositifs appropriés pour les excelles de type 27. Ne jamais faire tomber ou laisser tomber de sa hauteur de travail des matériaux pesants. Ne jamais travailler sans lunettes de protection à une pression excessive. Toujours porter les dispositifs de protection des yeux, du visage et des voies respiratoires appropriés. Toujours respecter les consignes de l'OSHA, la norme ANSI B7.1 et les conseils du Guide de sécurité contenu dans l'emballage. Communiquer avec le fabricant pour obtenir gratuitement ces renseignements. Le non-respect des consignes peut entraîner le risque d'être blessé ou de mourir.

**ADVERTENCIA**

Nunca use en lijadoras de aire con empuñadura tipo pala. Siempre use el protector facial y los dispositivos apropiados para los discos de tipo 27. Nunca deje caer o dejar caer materiales pesados. Nunca trabaje sin gafas de protección ocular a una presión excesiva. Siempre use los dispositivos de protección de los ojos, del rostro y de las vías respiratorias apropiados. Siempre respete las instrucciones de la OSHA, la norma ANSI B7.1 y los consejos del Guía de seguridad contenido en el embalaje. Comuníquese con el fabricante para obtener gratuitamente esta información gratuita. No cumplir con estas instrucciones puede causar lesiones o la muerte.





**Steel & Stainless**

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

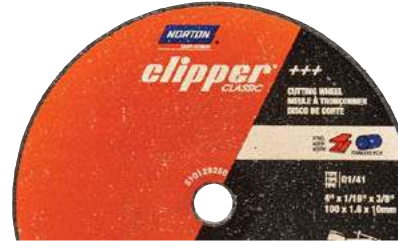


**SMALL DIAMETER WHEELS – TYPE 01/41**

**NORTON CLIPPER CLASSIC** +++

For Metal cutting with traditional aluminum oxide design.

UPC	SIZE	APPLICATION	MAX RPM	STD PKG
70184601480 9	3 x 1/32 x 3/8	Metal / Stainless	25,454	25
70184601481 6	3 x 1/16 x 3/8	Metal / Stainless	25,454	25
70184601482 3	4 x 1/32 x 3/8	Metal / Stainless	19,100	25
70184601483 0	4 x 1/16 x 3/8	Metal / Stainless	19,100	25



**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**

**NORTON CLIPPER 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	7 x 3/32 x 5/8 Diamond	Metal / Stainless	8,730	25
70184601485 4	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**

**NORTON CLIPPER CHARGER** ++++

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

UPC	SIZE	APPLICATION	MAX RPM	STD PKG
70184601625 5	14 x 3/32 x 1 Side Reinforced	Metal / Stainless	4,365	10
70184601624 5	14 x 3/32 x 1 Side Reinforced	STUD	4,365	10



**NORTON CLIPPER CLASSIC** +++

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

UPC	SIZE	APPLICATION	MAX RPM	STD PKG
70184601476 2	12 x 3/32 x 1 Center Reinforced	Metal / Stainless	5,095	10
70184601477 9	14 x 3/32 x 1 Center Reinforced	Metal / Stainless	4,365	10
70184601478 6	14 x 3/32 x 1 Side Reinforced	Metal / Stainless	4,365	10
70184601479 3	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**

**NORTON CLIPPER 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 5	4 x .045 x 5/8	Metal / Stainless	15,280	25
70184601460 1	4-1/2 x .045 x 7/8	Metal / Stainless	13,580	25
70184601461 8	5 x .045 x 7/8	Metal / Stainless	12,225	25
70184601462 5	6 x .045 x 7/8	Metal / Stainless	10,185	25
70184601463 2	7 x .045 x 7/8	Metal / Stainless	8,600	25



**NORTON CLIPPER CLASSIC** +++

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

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

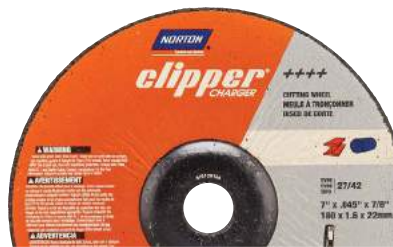


**RIGHT ANGLE CUT-OFF WHEELS – TYPE 27/42**

**NORTON CLIPPER 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	4 x .045 x 5/8	Metal / Stainless	15,280	25
70184601470 0	4-1/2 x .045 x 7/8	Metal / Stainless	13,580	25
70184601471 7	4-1/2 x 3/32 x 5/8-11	Metal / Stainless	13,580	25
70184601472 4	4-1/2 x 3/32 x 7/8	Metal / Stainless	13,580	25
70184601473 1	5 x .045 x 7/8	Metal / Stainless	12,225	25
70184601474 8	6 x .045 x 7/8	Metal / Stainless	10,185	25
70184601475 5	7 x .045 x 7/8	Metal / Stainless	8,600	20



**NORTON CLIPPER CLASSIC** +++

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

UPC	SIZE	APPLICATION	MAX RPM	STD PKG
70184601464 9	4 x .045 x 5/8	Metal / Stainless	15,280	25
70184601465 6	4-1/2 x .045 x 7/8	Metal / Stainless	13,580	25
70184601466 3	5 x .045 x 7/8	Metal / Stainless	12,225	25
70184601467 0	6 x .045 x 7/8	Metal / Stainless	10,185	25
70184601468 7	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**

**NORTON CLIPPER CHARGER**

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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 1	4-1/2 x 1/4 x 5/8-11	Metal / Stainless	13,580	10
70184601515 8	4-1/2 x 1/4 x 7/8	Metal / Stainless	13,580	25
70184601516 5	5 x 1/4 x 5/8-11	Metal / Stainless	12,225	10
70184601517 2	5 x 1/4 x 7/8	Metal / Stainless	12,225	25
70184601518 9	6 x 1/4 x 5/8-11	Metal / Stainless	10,185	10
70184601519 6	6 x 1/4 x 7/8	Metal / Stainless	10,185	20
70184601520 2	7 x 1/4 x 5/8-11	Metal / Stainless	8,600	10
70184601521 9	7 x 1/4 x 7/8	Metal / Stainless	8,600	20
70184601522 6	9 x 1/4 x 5/8-11	Metal / Stainless	6,600	10
70184601523 3	9 x 1/4 x 7/8	Metal / Stainless	6,600	20

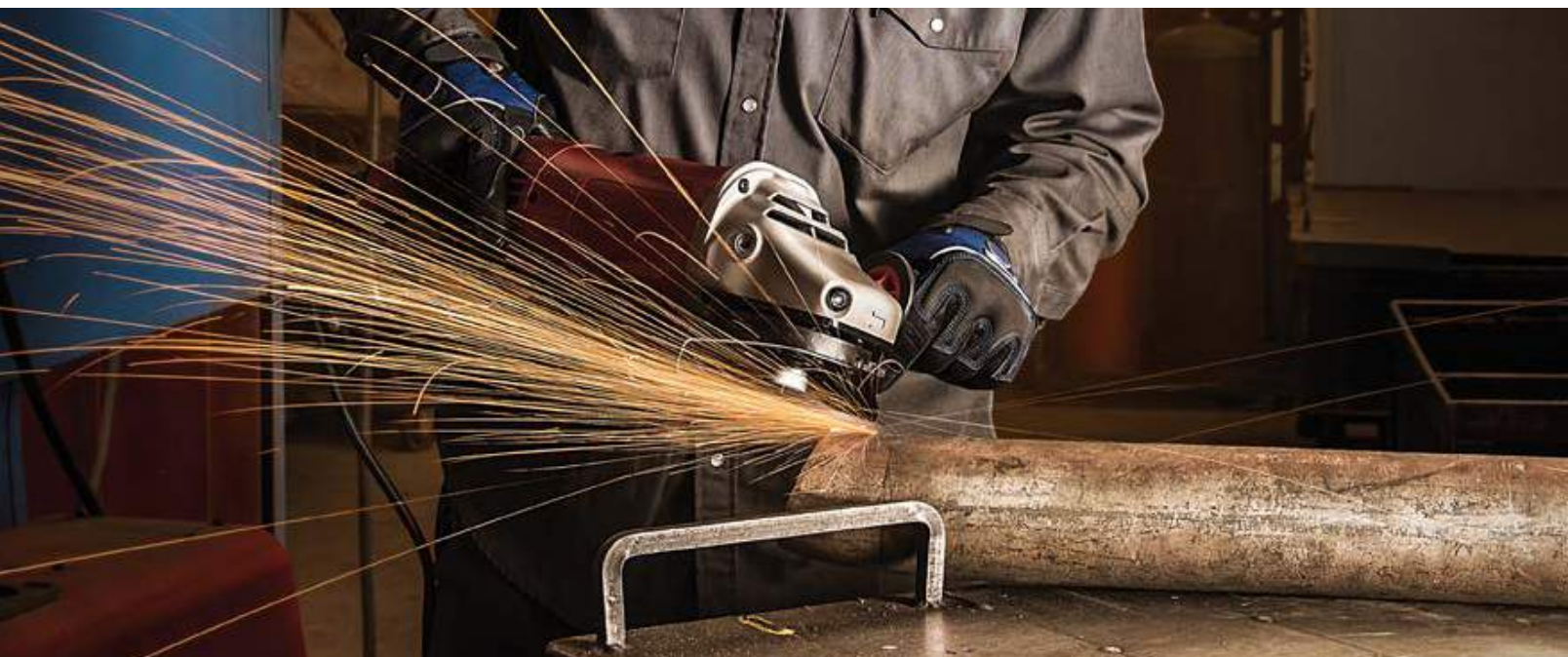


**NORTON CLIPPER CLASSIC**

+++

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 1	4 x 1/4 x 5/8	Metal / Stainless	18,000	25
70184601502 8	4-1/2 x 1/4 x 5/8-11	Concrete	13,580	10
70184601503 5	4-1/2 x 1/4 x 5/8-11	Metal / Stainless	13,580	10
70184601504 2	4-1/2 x 1/4 x 7/8	Concrete	13,580	25
70184601505 9	4-1/2 x 1/4 x 7/8	Metal / Stainless	13,580	25
70184601506 6	5 x 1/4 x 5/8-11	Metal / Stainless	12,225	10
70184601507 3	5 x 1/4 x 7/8	Metal / Stainless	12,225	25
70184601508 0	6 x 1/4 x 5/8-11	Metal / Stainless	10,185	10
70184601509 7	6 x 1/4 x 7/8	Metal / Stainless	10,185	20
70184601510 3	7 x 1/4 x 5/8-11	Metal / Stainless	8,600	10
70184601511 0	7 x 1/4 x 7/8	Metal / Stainless	8,600	25
70184601512 7	9 x 1/4 x 5/8-11	Metal / Stainless	6,600	10
70184601513 4	9 x 1/4 x 7/8	Metal / Stainless	6,600	20





Steel & Stainless

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



GRINDING AND CUTTING COMBO WHEELS – TYPE 27

NORTON CLIPPER 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
70184601535	6 4-1/2 x 1/8 x 5/8-11	Metal / Stainless	13,580	10
70184601536	3 4-1/2 x 1/8 x 7/8	Metal / Stainless	13,580	25
70184601537	0 5 x 1/8 x 5/8-11	Metal / Stainless	12,225	10
70184601538	7 5 x 1/8 x 7/8	Metal / Stainless	12,225	25
70184601539	4 6 x 1/8 x 5/8-11	Metal / Stainless	10,185	10
70184601540	0 6 x 1/8 x 7/8	Metal / Stainless	10,185	20
70184601541	7 7 x 1/8 x 5/8-11	Metal / Stainless	8,600	10
70184601542	4 7 x 1/8 x 7/8	Metal / Stainless	8,600	20
70184601543	1 9 x 1/8 x 5/8-11	Metal / Stainless	6,600	10
70184601544	8 9 x 1/8 x 7/8	Metal / Stainless	6,600	20



NORTON CLIPPER 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
70184601524	0 4 x 1/8 x 5/8	Metal / Stainless	18,000	25
70184601525	7 4-1/2 x 1/8 x 5/8-11	Metal / Stainless	13,580	10
70184601526	4 4-1/2 x 1/8 x 7/8	Metal / Stainless	13,580	25
70184601527	1 5 x 1/8 x 5/8-11	Metal / Stainless	12,225	10
70184601528	8 5 x 1/8 x 7/8	Metal / Stainless	12,225	25
70184601529	5 6 x 1/8 x 5/8-11	Metal / Stainless	10,185	10
70184601530	1 6 x 1/8 x 7/8	Metal / Stainless	10,185	20
70184601531	8 7 x 1/8 x 5/8-11	Metal / Stainless	8,600	10
70184601532	5 7 x 1/8 x 7/8	Metal / Stainless	8,600	25
70184601533	2 9 x 1/8 x 5/8-11	Metal / Stainless	6,600	10
70184601534	9 9 x 1/8 x 7/8	Metal / Stainless	6,600	20





**Multi-Purpose, All Materials**

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

**REINFORCED CUT-OFF WHEELS**

**NORTON CLIPPER 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
70184601496 0	12 x 1/8 x 1/20mm	Concrete	6,300	10
70184601497 7	12 x 1/8 x 1/20mm	Metal/Stainless	6,300	10
70184601498 4	14 x 1/8 x 1/20mm	Concrete	5,400	10
70184601499 1	14 x 1/8 x 1/20mm	Ductile	5,400	10
70184601500 1	14 x 1/8 x 1/20mm	Metal/Stainless	5,400	10



**NORTON CLIPPER 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 1	12 x 1/8 x 1/20mm	Asphalt	6,300	10
70184601487 8	12 x 1/8 x 1/20mm	Concrete	6,300	10
70184601488 5	12 x 1/8 x 1/20mm	Ductile	6,300	10
70184601489 2	12 x 1/8 x 1/20mm	Stainless/Metal	6,300	10
70184601490 8	14 x 1/8 x 1/20mm	Asphalt	5,400	10
70184601491 5	14 x 1/8 x 1/20mm	Concrete	5,400	10
70184601492 2	14 x 1/8 x 1/20mm	Ductile	5,400	10
70184601493 9	14 x 1/8 x 1/20mm	Stainless/Metal	5,400	10
70184601494 6	16 x 1/8 x 1/20mm	Concrete	4,700	10
70184601495 3	16 x 1/8 x 1/20mm	Metal/Stainless	4,700	10





## 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**

**NORTON CLIPPER CHARGER** ++++

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

UPC	SIZE	GRIT / GRADE	STD PKG
70184601591 2	4-1/2 x 5/8-11	40	10
70184601592 9	4-1/2 x 5/8-11	60	10
70184601593 6	4-1/2 x 5/8-11	80	10
70184601588 2	4-1/2 x 7/8	40	10
70184601589 9	4-1/2 x 7/8	60	10
70184601590 5	4-1/2 x 7/8	80	10



**NORTON CLIPPER CLASSIC** +++

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

UPC	SIZE	GRIT / GRADE	STD PKG
70184601578 3	4-1/2 x 5/8-11	36	10
70184601579 0	4-1/2 x 5/8-11	40	10
70184601580 6	4-1/2 x 5/8-11	60	10
70184601581 3	4-1/2 x 5/8-11	80	10
70184601582 0	4-1/2 x 5/8-11	120	10
70184601583 7	4-1/2 x 7/8	36	10
70184601584 4	4-1/2 x 7/8	40	10
70184601585 1	4-1/2 x 7/8	60	10
70184601586 8	4-1/2 x 7/8	80	10
70184601587 5	4-1/2 x 7/8	120	10





Steel & Stainless



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

**NORTON CLIPPER CHARGER** ++++

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

UPC	SIZE	GRIT / GRADE	STD PKG
70184601560 8	4-1/2 x 7/8	24	25
70184601561 5	4-1/2 x 7/8	36	25
70184601562 2	4-1/2 x 7/8	50	25
70184601563 9	4-1/2 x 7/8	60	25
70184601564 6	4-1/2 x 7/8	80	25
70184601565 3	5 x 7/8	24	25
70184601566 0	5 x 7/8	36	25
70184601567 7	5 x 7/8	50	25
70184601568 4	5 x 7/8	60	25
70184601569 1	5 x 7/8	80	25
70184601570 7	7 x 7/8	24	25
70184601571 4	7 x 7/8	36	25
70184601572 1	7 x 7/8	50	25
70184601573 8	7 x 7/8	60	25
70184601574 5	7 x 7/8	80	25



**NORTON CLIPPER CLASSIC** +++

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

UPC	SIZE	GRIT / GRADE	STD PKG
70184601545 5	4-1/2 x 7/8	24	25
70184601546 2	4-1/2 x 7/8	36	25
70184601547 9	4-1/2 x 7/8	50	25
70184601548 6	4-1/2 x 7/8	60	25
70184601549 3	4-1/2 x 7/8	80	25
70184601550 9	5 x 7/8	24	25
70184601551 6	5 x 7/8	36	25
70184601552 3	5 x 7/8	50	25
70184601553 0	5 x 7/8	60	25
70184601554 7	5 x 7/8	80	25
70184601555 4	7 x 7/8	24	25
70184601556 1	7 x 7/8	36	25
70184601557 8	7 x 7/8	50	25
70184601558 5	7 x 7/8	60	25
70184601559 2	7 x 7/8	80	25

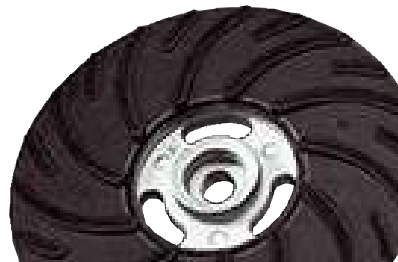


**AIR-COOLED STANDARD BACK-UP PAD**

**NORTON CLIPPER CLASSIC** +++

Slotted hub design and curved ribs draw heat away from the grinding zone, reducing disc loading and increasing life. All pads have a 5/8"-11 threaded female hub for mounting.

UPC	SIZE	GRIT / GRADE	GRIT / GRADE	STD PKG
70184601575 2	4-1/2 x 5/8-11	Medium	5	11,000
70184601576 9	5 x 5/8-11	Medium	5	10,000
70184601577 6	7 x 5/8-11	Medium	5	8,600





## 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

#### NORTON CLIPPER CLASSIC +

An open web of thick, strong, synthetic fibers and extra coarse, 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 3	4-1/2 x 5/8-11	Ex. Coarse	10
70184601595 0	4-1/2 x 7/8	Ex. Coarse	10



### HAND PADS

#### NORTON CLIPPER CLASSIC +

Extremely thin and comfortable; ideal for cleaning, blending, finishing and deburring contoured surfaces and tight spaces.





UPC	SIZE	COLOR	GRIT / GRADE	STD PKG
70184601597 4	6 x 9	Dark Tan	Coarse	20
70184601598 1	6 x 9	Gray	Medium	20
70184601596 7	6 x 9	Maroon	Very Fine	20
70184601599 8	6 x 9	Green	Ultra Fine	20



### APPLICATION/GRIT RECOMMENDATION GUIDE FOR HAND PADS

More Aggressive, Rougher Finish ←

→ Less Aggressive, Finer Finish

				
<b>COLOR:</b>	<b>Dark Tan</b>	<b>Gray</b>	<b>Maroon</b>	<b>Green</b>
<b>DESCRIPTION:</b>	Heavy Duty	Blending	General Purpose	Scouring
<b>ABRASIVE:</b>	AO	SC	AO	AO
<b>GRIT SIZE:</b>	Coarse	Medium	Very Fine	Ultra Fine







**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.

**BENCH WHEELS - TYPE 01**

**NORTON CLIPPER CLASSIC** +++

For offhand deburring, sharpening, shaping and limited stock removal on all types of materials. Aluminum oxide wheels are ideal for general purpose metal grinding and Finishing.

UPC	SIZE	GRIT	GRAIN	STD PKG
70184601600 1	6 x 3/4 x 1	Coarse	AO	1
70184601601 8	6 x 3/4 x 1	Medium	AO	1
70184601602 5	6 x 3/4 x 1	Medium	SC	1
70184601605 6	7 x 1 x 1	Medium	AO	1
70184601603 2	8 x 1 x 1	Coarse	AO	1
70184601604 9	8 x 1 x 1	Medium	AO	1
70184601606 3	8 x 1 x 1	Medium	SC	1

NOTE: Each wheel is supplied with additional arbor adapter bushings.



**CUP WHEELS - TYPE 11**

**NORTON CLIPPER 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 0	4 / 3 x 2 x 5/8-11	16	AO	10
70184601608 7	5 / 3-3/4 x 2 x 5/8-11	16	AO	5
70184601609 4	6 / 4-3/4 x 2 x 5/8-11	16	AO	5



**WIRE CUP BRUSHES**

**NORTON CLIPPER 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 0	Crimped Cup	3 x .014 x 5/8-11	Carbon	15,000	6
70184601611 7	Knotted Cup	2-3/4 x .020 x 5/8-11	Carbon	15,000	6
70184601612 4	Knotted Cup	4 x .020 x 5/8-11	Carbon	9,000	1
70184601613 1	Knotted Cup	6 x .020 x 5/8-11	Carbon	6,000	1



**WIRE BENCH WHEELS**

**NORTON CLIPPER 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 8	6 x .014 x 1/2-2 AH	Carbon	6,000	1



**KNOTTED WIRE WHEELS**

**NORTON CLIPPER 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 1	Standard Twist Knot	4 x .020 x 5/8-11	Carbon	20,000	6
70184601616 7	Stringer Bead Knot	4 x .020 x 5/8-11	Carbon	20,000	6
70184601617 3	Joint/Crack Cleaning	12 x .035 x 1 - DP	Carbon	4,500	2







# RANGE OVERVIEW



**MODEL#**

CP512-300

CP512-300i

CP514-350

CP514-350i

CE414-350

**UPC#**

70184647559 4

70184647561 7

70184647563 1

70184647565 5

70184694536 3

**MAXIMUM DEPTH OF CUT**

4"  
(100mm)

5"  
(125mm)

5"  
(125mm)

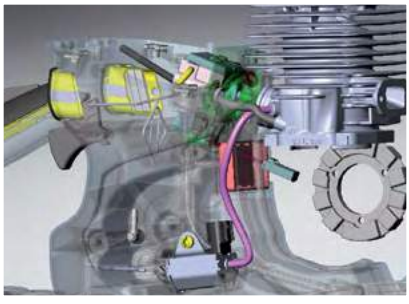
**MAXIMUM HORSEPOWER**

5.4 HP (4.0 kW)

5.4 HP (4.0 kW)

4.2 HP (3.1 kW)

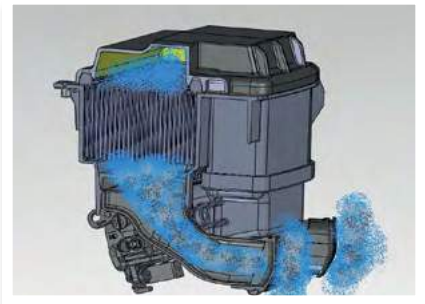
## PRODUCT FEATURES

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

Accessories	UPC	Smart Part #
High-Speed Saw Wheel Kit	005101 <b>09845</b> 1	<b>HSS Wheel Kit</b>
High-Speed Saw Tool Kit	005101 <b>09846</b> 8	<b>HSS Tool Kit</b>

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>



High-Speed Saw Wheel Kit



High-Speed Saw Tool Kit



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

## PRODUCT FEATURES

**Thermal Protection**

Light indicators show low voltage or amperage overload while the electronic clutch protects motor and gear set from damage during excessive conditions. The GFCI (Ground-Fault Circuit Interrupter) protects operators from electrical shock.

**Stable Start**

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 CE414-350 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

## CE414-350

Product Number	70184694536 3
Blade Guard Capacity - in (mm)	14" (356)
Maximum Depth of Cut - in (mm)	5" (125)
Arbor Size - in (mm)	.78 (20)
Blade Flange Diameter - in (mm)	3.93 (100)
Blade Shaft RPM	3,600
Blade Shaft Drive	Heavy Duty Sealed
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	Motor/Engine Type Norton Clipper
Specifications	CE414-350
Maximum Horsepower <sup>1</sup>	4.2 hp (3.1 kW)
Net Horse Power <sup>1</sup>	4.2 hp (3.1 kW)
Max. Torque ft lbs (Nm)	2.5 (3.4)
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
<b>Saw Dimensions</b>	
Height - in (mm)	16.93 (430)
Saw Width - in (mm)	10.52 (267)
Maximum Saw Length (Working) - in (mm)	29.53 (750)
Weight - Uncrated - lbs (kg)	22.26 (10.1)

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>



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



# 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**  + 

**NORTON CLIPPER 4X4 MAX CUT**



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



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

**NORTON CLIPPER 4X4**



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



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 <b>84548</b> 9	4X412110	12 x .110 x 1/20mm	6300	.393"
701846 <b>84547</b> 2	4X414125	14 x .125 x 1/20mm	5460	.393"
701846 <b>45306</b> 6	4X416125	16 x .125 x 1/20mm	4500	.393"

**NORTON CLIPPER 3X3**



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



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



proven performance  
**4X4 MAX CUT**



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

– Steve Wilkie, Applied Tool and Fastener





Reinforced Concrete and Harder Building Materials

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



**DRY – SEGMENTED RIM**

**NORTON CLIPPER DUO EVO**



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



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
701846 <b>84217</b> 4	DUOEVO12110	12 x .110 x 1/20mm	6300	.590"
701846 <b>84218</b> 1	DUOEVO14118	14 x .118 x 1/20mm	5460	.590"
701846 <b>93356</b> 8	DUOEVO16125	16 x .130 x 1/20mm	4500	.590"

**NORTON CLIPPER DUO**



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



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

proven performance  
**DUO AND DUO EVO**



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

– Aaron Graveen, Lincoln Contractors Supply



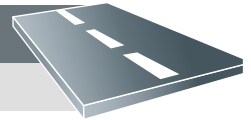
ESTIMATED NUMBER OF CUTS  
HARD AGGREGATE STEEL REINFORCED





## Asphalt and Abrasive Materials

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



### DRY – SEGMENTED RIM +

#### NORTON CLIPPER 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 4	DUOASP12125	12 x .110 x 1/20mm	6300	.393"
70184684315 7	DUOASP14125	14 x .125 x 1/20mm	5460	.393"
70184684544 1	DUOASP16125	16 x .125 x 1/20mm	4500	.393"



#### NORTON CLIPPER 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 4	DUOAB14110	14 x .110 x 1/20mm	5460	.393"
70184684292 1	DUOAB14125	14 x .125 x 1/20mm	5460	.393"



#### NORTON CLIPPER CLASSIC

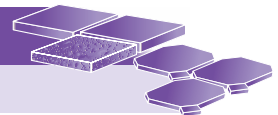
Ideal blade for small to medium size high-speed cutting jobs. Economically priced with good productivity in asphalt, green concrete and other abrasive materials.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
07660701231 9	CHDASP1420	14 x .125 x 1/20mm	5460	.275"
70184684429 1	COHSABR1420	14 x .125 x 1/20mm	5460	.275"
07660701230 5	CHDASP1620	16 x .125 x 1/20mm	4500	.275"



## Natural Stone and Tiles

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



### DRY – TURBO RIM +

#### NORTON CLIPPER AERO-JET

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

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
70184683784 2	AEROHS1220	12 x .110 x 1/20mm	6300	.472"
70184683785 9	AEROHS1420	14 x .125 x 1/20mm	5460	.472"





## General Purpose and Masonry Building Materials

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

### DRY – SEGMENTED RIM

#### NORTON CLIPPER 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> 8	CGHSGP1420	14 x .125 x 1/20mm	5460	.394"
076607 <b>01229</b> 6	CGHSGP1620	16 x .125 x 1/20mm	4500	.394"



#### NORTON CLIPPER 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> 9	COHSGP1220	12 x .110 x 1/20mm	6300	.275"
701846 <b>81309</b> 9	COHSGP1420	14 x .110 x 1/20mm	5460	.275"
701846 <b>84268</b> 6	COHSGP1420P	14 x .125 x 1/20mm	5460	.275"
701846 <b>40356</b> 6	COHSGP1620	16 x .125 x 1/20mm	4500	.275"



#### NORTON CLIPPER 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> 9	VPSSHSGP1420	14 x .125 x 1/20mm	5460	.472"



#### NORTON CLIPPER 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> 1	VPHSGP1220	12 x .110 x 1/20mm	6300	.393"
701846 <b>84181</b> 8	VPHSGP1420	14 x .110 x 1/20mm	5460	.393"
701846 <b>84428</b> 4	VPHSGP1420 20PK	14 x .110 x 1/20mm	5460	.393"



### DRY – TURBO RIM

#### NORTON CLIPPER 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>84524</b> 3	CGHSTS1220	12 x .125 x 1/20mm	6300	.472"
701846 <b>84525</b> 0	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**



**NORTON CLIPPER 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 0	NXHSRR1220	12 x .140 x 1/20mm	6300	.275"
70184684361 4	NXHSRR1420	14 x .140 x 1/20mm	5460	.275"



proven performance  
**RESCUE RUNNER**

“ The best thing about this blade is it always works. While operating at a strip mall fire, our tower was assigned vent work. The guys that operated that night stated that it cut out 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



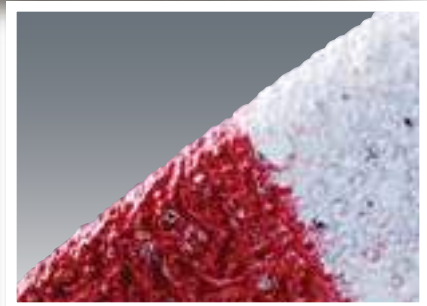
**Bidirectional Blade Usage**

The symmetrical diamond 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 diamond 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.

# RANGE OVERVIEW



**MODEL#**

C3530SS

C2024SS

C1320SS

C1318P

GC55

**UPC#**

70184642467 7

70184627371 8

70184627368 8

70184642453 0

70184630005 6

**MAX. DEPTH OF CUT**

**12 1/2"**  
(318mm)

**9 5/8"**  
(244mm)

**7 5/8"**  
(193mm)

**6 5/8"**  
(168mm)

**3 3/4"**  
(95mm)

**MAX. HP.**

**35 HP** (26 kW)

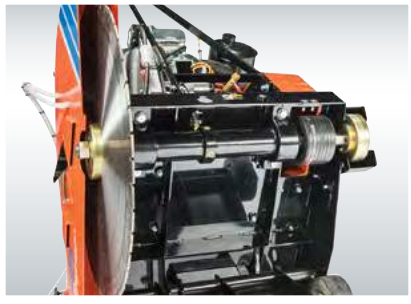
**20 HP** (14.9 kW)

**13 HP** (9.5 kW)

**13 HP** (9.5 kW)

**5.5 HP** (4.1 kW)





#### 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	C3526SS	C3530SS
<b>Product Number</b>	701846 <b>42466</b> 0	701846 <b>42467</b> 7
Blade Guard Capacity – in (mm)	26" (660)	30" (762)
Maximum Depth of Cut – in (mm)	9-1/2" (241)	12-1/2" (318)
Arbor Size – in (mm)	1" (25.4)	1" (25.4)
Blade Flange Diameter – in (mm)	5" (127)	5" (127)
Blade Shaft RPM	1,900	1,900
Blade Shaft Diameter – in (mm)	1-7/16" (37)	
Blade Shaft Bearings	Heavy Duty Pillow Block	
Blade Shaft Drive	7 Belts	
Blade Guard Attachment	Quick Detach Bayonet	
Blade Control	Electric	
Axle – Front – in (mm)	1" (25.4)	
Axle – Rear – in (mm)	1" (25.4)	
Wheels – Front D x W x B – in (mm)	6"x2-1/2"x1" (152x64x25)	
Wheels – Rear D x W x B – in (mm)	8"x2-1/2"x1" (203x64x25)	
Handle Bars/Adjustment Length – in (mm)	32-1/2" (826)	
Transmission	Eaton Hydrostatic	
Rear End/Differential	Enclosed Gears	
Control	Forward/Reverse Control, Engage/Disengaged Controls	
Speed	0-220 FPM (Forward) 0-100 FPM (Reverse)	
Chassis	Heavy Duty jig-welded box frame	
Power Source	Gasoline, 2 Cylinders 4 Cycle	
Engine Type	Briggs Vanguard	
Specifications	61347701710	
Maximum Horsepower*	35 HP (26kw)	
Displacement – cu In (l)	60.6 cu in (0.993 l)	
Bore – in (mm)	3.366" (85.5)	
Stroke – in (mm)	3.406" (86.5)	
Cylinders/Cycle	2 Cylinders 4 Cycle	
Fuel Capacity – gal (l)	5 gal (18.9 l)	
Oil Capacity – qt (l)	2.5 qt. (2.4 l)	
Air Filter	Three Stage	
Starter	Electric	
Engine Cooling	Air	
<b>Saw Dimensions</b>		
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)
<b>Accessories</b>	<b>UPC</b>	<b>Smart Part #</b>
20" Blade Guard	701846 <b>43382</b> 2	<b>246006</b>
26" Blade Guard	701846 <b>44384</b> 5	<b>246218</b>
30" Blade Guard	701846 <b>44385</b> 2	<b>246219</b>
Blade Guard Adapter Kit	701846 <b>45376</b> 9	<b>246261</b>
Light Kit w/magnetic base	701846 <b>26513</b> 3	<b>237244</b>
Water Pump Kit	701846 <b>45877</b> 1	<b>246292</b>

\*= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER



Blade Guard



Blade Guard Adapter Kit



Water Pump Kit



**Simple Maintenance Design**

Easy to get to belt tensioning for quick replacements.



**Spindle-Saver Blade Flanges**

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



**Raised Axle**

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



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

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

\*= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER



Water Tank Kit



### Spindle-Saver Blade Flanges

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



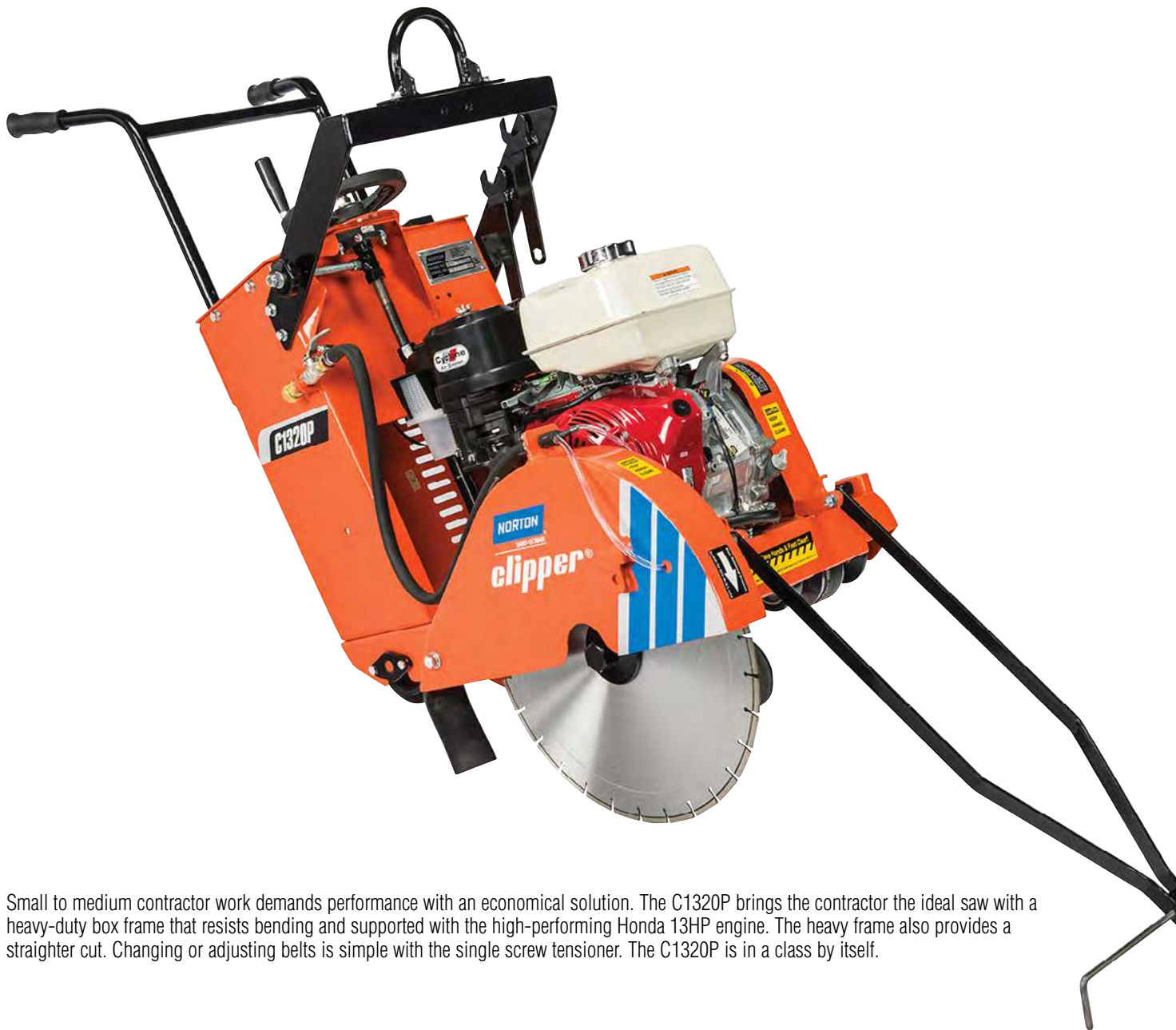
### Four V-Belts

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**

<b>Product Number</b>	<b>70184642456 1</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	2520 RPM
Blade Shaft Diameter – in (mm)	1-1/4" (32)
Blade Shaft Bearings	Heavy Duty Pillow Block
Blade Shaft Drive	4 Belts
Blade Guard Attachment	Pivoting, All Steel
Blade Control	Hand Wheel/Screw Feed
Axle – Front – in (mm)	3/4" (19)
Axle – Rear – in (mm)	3/4" (19)
Wheels – Front D x W x B – in (mm)	5"x2"x3/4" (127x50x19)
Wheels – Rear D x W x B – in (mm)	6"x2"x3/4" (152x50x19)
Handle Bars/Adjustment Length	20-5/8" (530)
Control	Roller Gear
Speed	0-220 FPM
Chassis	Heavy duty jig welded box frame
Power Source	Gasoline, Single Cylinder 4 Cycle
Engine Type	Honda GX390
Specifications	GX390K1QXC9
Maximum Horsepower*	13 HP (9.5kW)
Net Horsepower*	11 HP (8.2 kW)
Displacement – cu In (l)	23.7 cu in (0.39)
Bore – in (mm)	3.5" (88)
Stroke – in (mm)	2.5" (64)
Cylinders/Cycle	Single Cylinder 4 Cycle
Fuel Capacity – gal (l)	1.79 gal. (6.5 l)
Oil Capacity – qt (l)	1.16 qt. (1.1 l)
Air Filter	Four Stage Honda
Starter	Manual
Engine Cooling	Air

**Saw Dimensions**

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

**Accessories**

	<b>UPC</b>	<b>Smart Part #</b>
Water Tank Kit for 13HP & 20HP	701846 <b>28014 3</b>	<b>238001</b>

**\*= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER**



Water Tank Kit



**Pivoting Blade Guard**

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



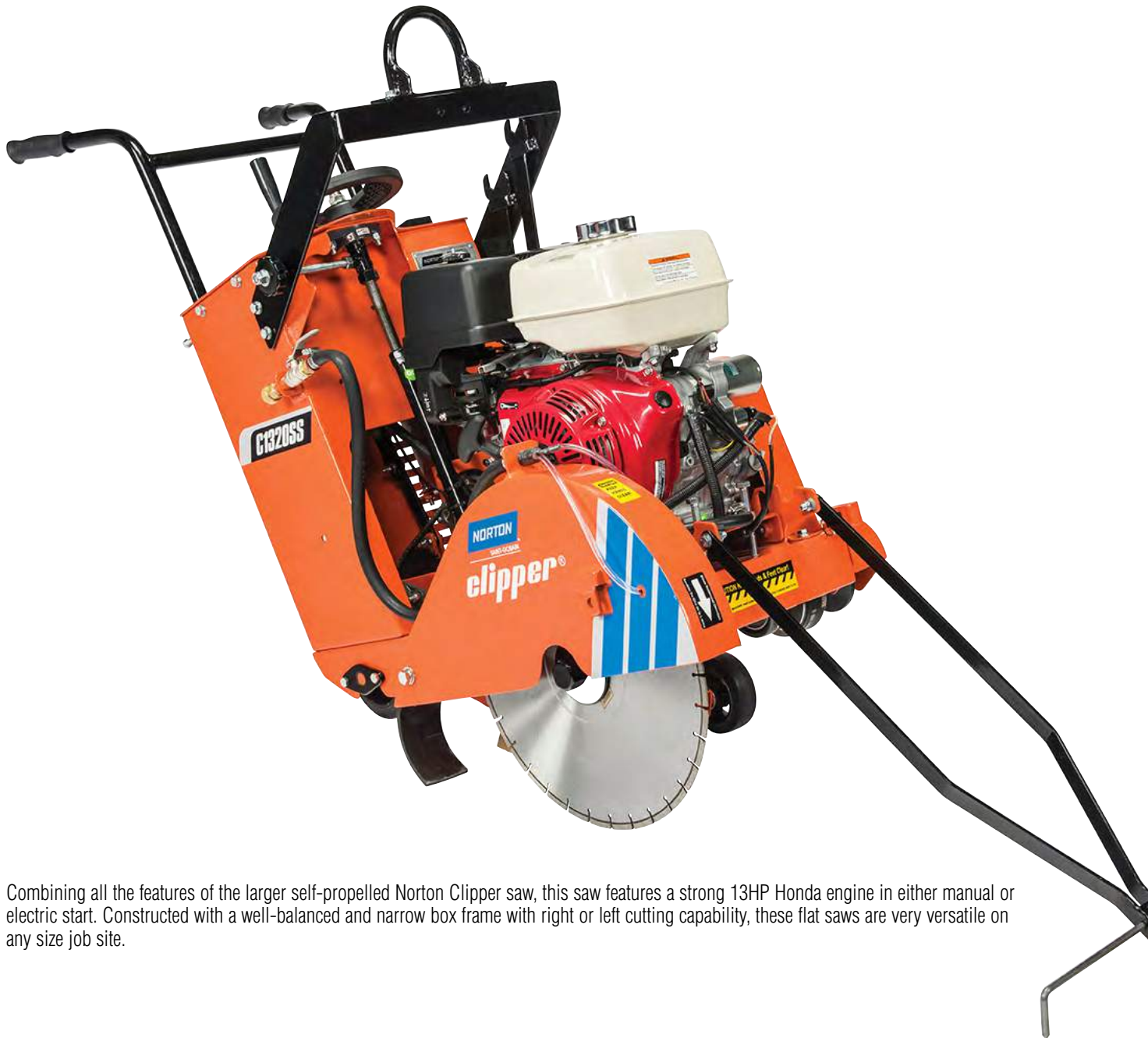
**Heavy-Duty Box Frame**

Resists bending and flexing for a solid design.



**Eaton Transmission**

Hydro-static for infinitely variable forward and reverse speeds.



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

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

\*= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER



Water Tank Kit



### Vibration Reducing Handle Bars

Shock-absorbing handle bars reduce vibrations up to 40%.



### Quick Belt Tensioning

Provides fast and accurate belt tensioning.



### Fast Blade Guard Lock

No hassle, blade guard securing lock.



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



## TECHNICAL SPECIFICATIONS

## C1318P

Product Number	70184642453 0
Blade Guard Capacity – in (mm)	18" (457)
Maximum Depth of Cut – in (mm)	6-5/8" (168)
Arbor Size – in (mm)	1" (25)
Blade Flange Diameter – in (mm)	4-1/2" (114)
Blade Shaft RPM	2,573
Blade Shaft Diameter – in (mm)	1.18" (30)
Blade Shaft Bearings	Heavy Duty Pillow Block
Blade Shaft Drive	Single 10 Groove Belt
Blade Guard Attachment	Hinged, All Steel
Blade Control	Hand Wheel/Screw Feed
Axle – Front – in (mm)	.78" (20)
Axle – Rear – in (mm)	.78" (20)
Wheels – Front D x W x B – in (mm)	4.92"x1.96x.78 (125x50x20)
Wheels – Rear D x W x B – in (mm)	8"x1-1/4"x.78 (203x32x20)
Handle Bars/Adjustment Length	6-1/4" (160)
Control	5.28 gal. (20 l)
Speed	Push
Chassis	Heavy Duty Steel Box with Longitudinal and Horizontal Reinforcements
Power Source	Gasoline, Single Cylinder 4 Cycle
Engine Type	Honda GX390
Specifications	GX390K1QXC9
Maximum Horsepower*	13 HP (9.5kW)
Net Horsepower*	11 HP (8.2 kW)
Displacement – cu In (l)	23.7 cu in (0.39 l)
Bore – in (mm)	3.5" (88)
Stroke – in (mm)	2.5" (64)
Cylinders/Cycle	Single Cylinder 4 Cycle
Fuel Capacity – gal (l)	1.79 gal. (6.5 l)
Oil Capacity – qt (l)	1.16 qt. (1.1 l)
Air Filter	Four Stage Cyclone
Starter	Manual
Engine Cooling	Forced Air
<b>Saw Dimensions</b>	
Height	39" (990)
Minimum Saw Length (Transport) – in (mm)	33-1/2" (850)
Maximum Saw Length (Working) – in (mm)	61-1/2" (1,561)
Maximum Pointer Length – in (mm)	20-7/8" (528)
Frame Width – in (mm)	16-1/2" (421)
Saw Width – in (mm)	22" (609)
Front (Outside to Outside Wheel Width) – in (mm)	10-7/16" (265)
Rear (Outside to Outside Wheel Width) – in (mm)	16.89" (429)
Blade to Wall – in (mm)	4-1/2" (114)
Wheel Base Length – in (mm)	13" (332)
Weight Crated – lbs. (kg)	240 (109)
Weight Uncrated – lbs (kg)	220 (100)

\*= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER



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



### 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	C13PE
<b>Product Number</b>	701846 <b>47524 2</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)	.75" (19)
Axle - Rear - in (mm)	.75" (19)
Wheels - Front - in (mm) D x W x B	4"x1.5"x.75" (102x38x19)
Wheels - Rear - in (mm) D x W x B	8"x2.50"x.75" (203x64x19)
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)	3.5" (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
<b>Saw Dimensions</b>	
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



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



### Gasoline Engine

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



### Front Blade Mount

Additional weight helps keep the blade in the cut.



### Fold-Down Design

Easy storage and transport.



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

## TECHNICAL SPECIFICATIONS

Product Number	GC55
Blade Guard Capacity – in. (mm)	70184630005 6 10" (254)
Maximum Depth of Cut – in. (mm)	3-3/4" (95)
Arbor Size – in. (mm)	5/8" (15.9)
Blade Flange Diameter – in. (mm)	3-5/64" (78)
Blade Shaft RPM	3,000
Blade Shaft Diameter – in. (mm)	7/8" (20)
Blade Shaft Bearings	Sealed Radial Bearings
Blade Shaft Drive	1 Cogged
Blade Guard Attachment	All Steel
Blade Control	Screw Feed
Axle – Front – in. (mm)	55/64" (22)
Axle – Rear – in. (mm)	55/64" (22)
Wheels – Front – in. (mm) D x W x B	3-3/8"x2-3/4"x25/32" (85x70x20)
Wheels – Rear – in. (mm) D x W x B	3-3/8"x2-3/4"x25/32" (85x70x20)
Handle Bars/Adjustment Length – in. (mm)	6" (152.4)
Control	Push
Chassis	Heavy Duty Stamped Steel with Reinforcements
Power Source	Single Cylinder 4 Cycle
Motor/Engine Type	Honda GX160
Specifications	GX160K1QXC9
Maximum Horsepower	5.5 HP (4.1 kW) – *
Net Horse Power	4.8 HP (3.6 kW) – *
Voltage	NA
Cycle/Current/Phase	NA
Full Load Amps	NA
Starting Amps	NA
Displacement – cu. In (l)	9.9 cu in (0.16 l)
Bore – in. (mm)	2.7" (68)
Stroke – in. (mm)	1.8" (45)
Cylinders/Cycle	Single Cylinder 4 Cycle
Fuel Capacity – gal. (l)	.95 (3.6 l)
Oil Capacity – qt. (l)	.63 (.6 l)
Air Filter	Four Stage Cyclone
Starter	Manual
Engine Cooling	Forced Air
<b>Saw Dimensions</b>	
Height – in. (mm)	24-7/32" (615)
Minimum Saw Length (Transport) – in. (mm)	32" (813)
Maximum Saw Length (Working) – in. (mm)	42-29/32" (1090)
Maximum Pointer Length – in. (mm)	8-7/32" (209)
Frame Width – in. (mm)	13-11/16" (348)
Saw Width – in. (mm)	18-1/8" (460)
Front (Outside to Outside Wheel Width) – in. (mm)	8-21/32" (220)
Rear (Outside to Outside Wheel Width) – in. (mm)	13" (330)
Blade to Wall – in. (mm)	7-1/2" (190)
Wheel Base Length – in. (mm)	19" (483)
Weight Crated – lbs (kg)	135 (61)
Weight Uncrated – lbs (kg)	115 (52)

\*= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER



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



**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 GC25EUP carries a smooth running 3HP up-cut electric motor. Its vacuum port on the blade guard ensure debris is pulled out of the cut and into a collection system. Light-weight and compact, the GC25EUP is the perfect saw for any concrete surface or decorative contractor need.

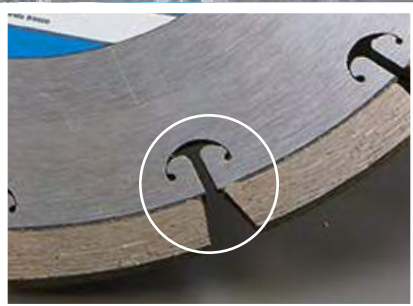
## TECHNICAL SPECIFICATIONS

Product Number	GC25EUP
Blade Guard Capacity – in (mm)	70184642445 5 10" (254)
Maximum Depth of Cut – in (mm)	3-3/4" (95)
Arbor Size – in (mm)	5/8" (15.9)
Blade Flange Diameter – in (mm)	3-5/64" (78)
Blade Shaft RPM	3,000
Blade Shaft Diameter – in (mm)	7/8" (20)
Blade Shaft Bearings	Sealed Radial Bearings
Blade Shaft Drive	1 Cogged
Blade Guard Attachment	All Steel
Blade Control	Screw Feed
Axle – Front – in (mm)	55/64" (22)
Axle – Rear – in (mm)	55/64" (22)
Wheels – Front – in (mm) D x W x B	3-3/8"x2-3/4"x25/32" (85x70x20)
Wheels – Rear – in (mm) D x W x B	3-3/8"x2-3/4"x25/32" (85x70x20)
Handle Bars/Adjustment Length – in (mm)	6" (152.4)
Control	Push
Chassis	Heavy Duty Stamped Steel with Reinforcements
Power Source	115/330 volt
Motor/Engine Type	Electric
Specifications	T.E.F.C. Thermal Protection
Maximum Horsepower*	3 HP
Net Horse Power*	3 HP
Voltage	115-230 Volts
Cycle*/Current/Phase	60Hz/AC/1
Full Load Amps*	19.5/9.73 Amps
Starting Amps*	91/46 Amps
Displacement – cu In (l)	-NA-
Bore – in (mm)	-NA-
Stroke – in (mm)	-NA-
Cylinders/Cycle	-NA-
Fuel Capacity – gal (l)	-NA-
Oil Capacity – qt (l)	-NA-
Air Filter	-NA-
Starter	Capacitor
Engine Cooling	Forced Air
<b>Saw Dimensions</b>	
Height – in (mm)	24-7/32" (615)
Minimum Saw Length (Transport) – in (mm)	32" (813)
Maximum Saw Length (Working) – in (mm)	42-29/32" (1090)
Maximum Pointer Length – in (mm)	8-7/32" (209)
Frame Width – in (mm)	13-11/16" (348)
Saw Width – in (mm)	18-1/8" (460)
Front (Outside to Outside Wheel Width) – in (mm)	8-21/32" (220)
Rear (Outside to Outside Wheel Width) – in (mm)	13" (330)
Blade to Wall – in (mm)	7-1/2" (190)
Wheel Base Length – in (mm)	19" (483)
Weight Crated – lbs (kg)	155 (70.3)
Weight Uncrated – lbs (kg)	135 (61.2)

\*= DATA PROVIDED BY MOTOR/ENGINE MANUFACTURER

# 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

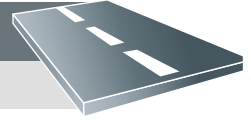
Allows the GMAX blade to be used on most early entry/green concrete saws.





**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.

**NORTON CLIPPER GMAX – HARD AGGREGATE** 

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

UPC	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
70184641868 3	6 x .110 x 1-7/8-5/8	10185	.350"	4.3hp
70184641863 8	8 x .110" x 1-7/8-5/8	7640	.350"	6hp
70184641860 7	10 x .110 x 1-7/8-5/8	6115	.350"	13hp
70184641869 0	13.5 x .125 x 1-7/8-5/8	4365	.350"	23hp



**NORTON CLIPPER GMAX – MEDIUM/HARD AGGREGATE** 

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

UPC	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
70184641867 6	6 x .110 x 1-7/8-5/8	10185	.350"	4.3hp
70184641864 5	8 x .110" x 1-7/8-5/8	7640	.350"	6hp
70184641862 1	10 x .110 x 1-7/8-5/8	6115	.350"	13hp
70184641870 6	13.5 x .125 x 1-7/8-5/8	4365	.350"	23hp



**NORTON CLIPPER GMAX – MEDIUM/SOFT AGGREGATE** 

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

UPC	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
70184641866 9	6 x .110 x 1-7/8-5/8	10185	.350"	4.3hp
70184641865 2	8 x .110" x 1-7/8-5/8	7640	.350"	6hp
70184641861 4	10 x .110 x 1-7/8-5/8	6115	.350"	13hp
70184641871 3	13.5 x .125 x 1-7/8-5/8	4365	.350"	23hp



**DRY – GREEN/CURED CONCRETE**  

**NORTON CLIPPER 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	POWER
70184683758 3	NXDGRN0895	8 x .095 x 7/8-5/8	8730	.295"	6hp
70184675125 4	EE9110	9 x .110 x 7/8-5/8	6600	.295"	6hp
70184684508 3	EE10110	10 x .110 x 1-7/8-5/8	6115	.295"	6hp



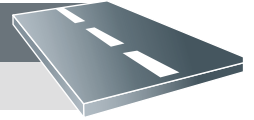
For precision green cutting, use the GMAX line of early entry blades, up to 10", on the **Norton Clipper GC55** push saw.

See page 44 for details.



**Asphalt and Abrasive Materials**

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



**DRY – ASPHALT** (CONTINUED) 

**NORTON CLIPPER CHARGER** 

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

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER	
70184681412	6	CGDASP1420	14 x .125 x 1/20mm	5460	.288"	20hp



**NORTON CLIPPER CLASSIC** 

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

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER	
07660701231	9	CHDASP1420	14 x .125 x 1/20mm	5460	.263"	20hp
70184684429	1	COHSABR1420	14 x .125 x 1/20mm	5460	.263"	20hp
07660701230	2	CHDASP1620	16 x .125 x 1/20mm	4725	.263"	20hp



**WET – GREEN CONCRETE** 

**NORTON CLIPPER PARADIGM** 

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

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER	
70184643592	RDS	G1160R	14 x .145 x 1	4365	.410"	35hp +
70184644152	RDS	G1360R	14 x .190 x 1	4365	.410"	35hp +
70184644154	RDS	G1160R	14 x .250 x 1	4365	.410"	35hp +
70184644153	RDS	G1360R	14 x .250 x 1	4365	.410"	35hp +



**NORTON CLIPPER CLASSIC** 

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

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER	
70184681474	4	CHWGGP1412	14 x .125 x 1	4365	.295"	35hp
70184681475	1	CHWGGP1812	18 x .125 x 1	3395	.295"	35hp



**DRY – GREEN CONCRETE** 

**NORTON CLIPPER CHARGER** 

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

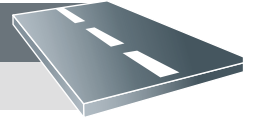
UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER	
70184681419	5	CGDGRN1201	12 x .125 x 1	5095	.263"	20hp
70184681420	1	CGDGRN1401	14 x .125 x 1	4365	.263"	20hp





**Asphalt and Abrasive Materials**

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



**WET – ASPHALT** 

**NORTON CLIPPER CHARGER** 

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

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER	
70184681478	2	CGWASP1412	14 x .125 x 1	4365	.326"	35hp
70184683912	9	CGWASP1612	16 x .125 x 1	3820	.326"	35hp
70184681479	9	CGWASP1812	18 x .125 x 1	3395	.326"	35hp
70184683927	3	CGWASP2417	24 x .175 x 1	2550	.326"	35hp
70184683928	0	CGWASP2615	26 x .155 x 1	2350	.326"	35hp
70184683929	7	CGWASP3017	30 x .175 x 1	2040	.326"	35hp
70184684024	8	CGWASP3618	36 x .187 x 1	1700	.326"	35hp



**NORTON CLIPPER CLASSIC** 

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

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER	
70184684364	5	CHWASP1225	12 x .250 x 1 Loop Saw	5095	.326"	35hp
70184684348	5	CHWASP1250	12 x .500 x 1 Loop Saw	5095	.326"	35hp
70184681374	7	CHWASP1411	14 x .110 x 1	4365	.326"	35hp
70184681375	4	CHWASP1412	14 x .125 x 1	4365	.326"	35hp
70184683895	5	CHWASP1612	16 x .125 x 1	3820	.326"	35hp
70184681376	1	CHWASP1812	18 x .125 x 1	3395	.326"	35hp
70184683897	9	CHWASP2012	20 x .125 x 1	3055	.326"	35hp
70184681476	8	CHWASP2415	24 x .155 x 1	2550	.326"	35hp
70184683900	6	CHWASP2418	24 x .187 x 1	2550	.326"	35hp
70184683899	3	CHWASP2615	26 x .155 x 1	2350	.326"	35hp
70184683396	7	CHWASP3018	30 x .187 x 1	2040	.326"	35hp



**DRY – ASPHALT**  

**NORTON CLIPPER DUO ASPHALT** 

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

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER	
70184684315	7	DUOASP14125	14 x .125 x 1/20mm	5460	.393"	20hp
70184684544	1	DUOASP16125	16 x .125 x 1/20mm	4725	.393"	20hp



**NORTON CLIPPER DUO ABRASIVE** 

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

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER	
70184684292	1	DUOAB14125	14 x .125 x 1/20mm	5460	.393"	20hp





## Reinforced Concrete and Harder Building Materials

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



### WET – MEDIUM AGGREGATES

#### NORTON CLIPPER CHARGER

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

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
70184681366 2	CGWCMD1412	14 x .125 x 1	4365	.410"	35hp
70184681368 6	CGWCMD1812	18 x .125 x 1	3395	.410"	35hp
70184683965 5	CGWCMD2012	20 x .125 x 1	3055	.410"	35hp
70184681468 3	CGWCMD2415	24 x .155 x 1	2550	.410"	35hp
70184681472 0	CGWCMD2615	26 x .155 x 1	2350	.410"	35hp
70184683969 3	CGWCMD3618	36 x .187 x 1	1700	.410"	35hp



#### NORTON CLIPPER CLASSIC

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

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
70184681358 7	CHWCGP1411	14 x .110 x 1	4365	.326"	35hp
70184681359 4	CHWCGP1412	14 x .125 x 1	4365	.326"	35hp
70184681360 0	CHWCGP1612	16 x .125 x 1	3820	.326"	35hp
70184681361 7	CHWCGP1812	18 x .125 x 1	3395	.326"	35hp
70184681362 4	CHWCGP2012	20 x .125 x 1	3055	.326"	35hp
70184681465 2	CHWCGP2415	24 x .155 x 1	2550	.326"	35hp
70184683833 7	CHWCGP2615	26 x .155 x 1	2350	.326"	35hp
70184683386 8	CHWCGP3017	30 x .175 x 1	2040	.326"	35hp



### DRY – MEDIUM AGGREGATES +

#### NORTON CLIPPER DUO

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

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
70184683612 8	DUO14110	14 x .110 x 1/20mm	5460	.393"	13hp
70184684430 7	DUO14110 6PK	14 x .110 x 1/20mm	5460	.393"	13hp
70184684431 4	DUO14110 12PK	14 x .110 x 1/20mm	5460	.393"	13hp
70184683613 5	DUO14125	14 x .125 x 1/20mm	5460	.393"	13hp
70184684432 1	DUO14125 6PK	14 x .125 x 1/20mm	5460	.393"	13hp
70184684433 8	DUO14125 12PK	14 x .125 x 1/20mm	5460	.393"	13hp
70184683798 9	DUO16125	16 x .125 x 1/20mm	4725	.393"	13hp



#### NORTON CLIPPER CHARGER

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

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
70184681418 8	CGDCON1401	14 x .125 x 1	4365	.360"	20hp





Reinforced Concrete and Harder Building Materials

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



WET – HARD AGGREGATES 

NORTON CLIPPER PARADIGM 

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



UPC	PART #	SIZE	AGGREGATE	SEGMENT HEIGHT	POWER
70184646313	RDS C1170	14 x .125 x 1	Soft	.460"	35 - 48hp
70184646314	RDS C1170	16 x .125 x 1	Soft	.460"	35 - 48hp
70184646389	C2370	16 x .125 x 1	Medium	.460"	48 hp+
70184646319	RDS C1170	18 x .125 x 1	Soft	.460"	35 - 48hp
70184646410	C2570	18 x .155 x 1	Hard	.460"	48 hp+
70184646376	C2170	20 x .155 x 1	Soft	.460"	48 hp+
70184646394	C2370	20 x .155 x 1	Medium	.460"	48 hp+
70184646395	RDS C2370R	24 x .155 x 1	Medium	.460"	48 hp+
70184646325	RDS C1170R	26 x .155 x 1	Soft	.460"	35 - 48hp
70184646397	RDS C2370R	26 x .155 x 1	Medium	.460"	35 - 48hp
70184646326	RDS C1170R	26 x .165 x 1	Soft	.460"	35 - 48hp
70184646398	RDS C2370R	26 x .165 x 1	Medium	.460"	48 hp+
70184646384	RDS C2160R	36 x .187 x 1	Soft	.410"	48 hp+
70184646388	C2370	14 x .125 x 1	Medium	.460"	48 hp+
70184646424	C2680	14 x .125 x 1	Hard	.510"	48 hp+
70184646337	C1370	18 x .125 x 1	Medium	.460"	35 - 48hp
70184646374	C2170	18 x .155 x 1	Soft	.460"	48 hp+
70184646392	C2370	18 x .155 x 1	Medium	.460"	48 hp+
70184646430	C2680HRAS	20 x .155 x 1	Hard	.510"	48 hp+
70184646323	RDS C1170R	24 x .155 x 1	Soft	.460"	35 - 48hp
70184647288	C1370	24 x .175 x 1	Medium	.460"	35 - 48hp
70184646361	RDS C1570R	26 x .155 x 1	Hard	.460"	35 - 48hp
70184646382	RDS C2170R	30 x .165 x 1	Soft	.460"	48 hp+
70184646400	RDS C2370R	30 x .165 x 1	Medium	.460"	48 hp+
70184646912	RDS C3580	30 x .165 x 1	Hard	.510"	66 hp+
70184647390	RDS C2770R	30 x .175 x 1	Medium	.460"	48 hp+
70184646402	RDS C2360R	36 x .187 x 1	Medium	.410"	48 hp+
70184646420	RDS C2560R	36 x .187 x 1	Hard	.410"	48 hp+
70184646475	RDS C3360R	42 x .190 x 1	Medium	.410"	66 hp+
70184646386	RDS C2160R	48 x .190 x 1	Soft	.410"	48 hp+

NORTON CLIPPER CHARGER 

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



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
70184681363	1 CGWCHD1411	14 x .110 x 1	4365	.410"	35hp
70184681365	5 CGWCHD1412	14 x .125 x 1	4365	.410"	35hp
70184681367	9 CGWCHD1812	18 x .125 x 1	3395	.410"	35hp
70184683918	1 CGWCHD2012	20 x .125 x 1	3055	.410"	35hp
70184681467	6 CGWCHD2415	24 x .155 x 1	2550	.410"	35hp
70184683919	8 CGWCHD2417	24 x .175 x 1	2550	.410"	35hp
70184681471	3 CGWCHD2615	26 x .155 x 1	2350	.410"	35hp
70184683920	4 CGWCHD3017	30 x .175 x 1	2040	.410"	35hp
70184683921	1 CGWCHD3618	36 x .187 x 1	1700	.410"	35hp

DRY – HARD AGGREGATES  + 

NORTON CLIPPER DUO EVO 

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



UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
70184684218	1 DUOEVO14118	14 x .118 x 1/20mm	5460	.590"	13hp
70184693356	8 DUOEVO16125	16 x .130 x 1/20mm	4725	.590"	13hp



## General Purpose and Masonry Building Materials



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

### DRY – GENERAL PURPOSE

#### NORTON CLIPPER CHARGER

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

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



#### NORTON CLIPPER CLASSIC

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

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



#### NORTON CLIPPER VALUPLUS SS

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

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 <b>84465</b> 9	VPSSHSGP1420	14 x .125 x 1/20mm	5460	.472"	13hp



#### NORTON CLIPPER VALUPLUS

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

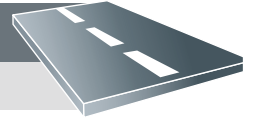
UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
701846 <b>84181</b> 8	VPHSGP1420	14 x .110 x 1/20mm	5460	.393"	13hp
701846 <b>84428</b> 4	VPHSGP1420 20PK	14 x .110 x 1/20mm	5460	.393"	13hp





## Asphalt and Abrasive Materials

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



### WET – ASPHALT OVER CONCRETE

#### NORTON CLIPPER CHARGER

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

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
70184681485 0	CGWAOC1412	14 x .125 x 1	4365	.326"	35hp
70184681486 7	CGWAOC1812	18 x .125 x 1	3395	.326"	35hp
70184681487 4	CGWAOC2415	24 x .155 x 1	2550	.326"	35hp
70184683395 0	CGWAOC2617	26 x .175 x 1	2350	.326"	35hp
70184683396 7	CGWAOC3018	30 x .187 x 1	2040	.326"	35hp
70184683397 4	CGWAOC3618	36 x .187 x 1	1700	.326"	35hp



#### NORTON CLIPPER CLASSIC

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

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
70184681482 9	CHWAOC1412	14 x .125 x 1	4365	.326"	35hp
70184681483 6	CHWAOC1812	18 x .125 x 1	3395	.326"	35hp



### DRY – CRACK CHASING +

#### NORTON CLIPPER 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"



## Multi-Purpose, All Materials

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



### DRY – MULTI PURPOSE +

#### NORTON CLIPPER 4X4 MAX CUT

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

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	POWER
70184645927 3	4X4MC12118	12 x .118 x 1/20mm	6300	.472"	13hp
70184645926 6	4X4MC14125	14 x .125 x 1/20mm	5460	.472"	13hp



#### NORTON CLIPPER 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 9	4X412110	12 x .110 x 1/20mm	6300	.393"
70184684547 2	4X414125	14 x .125 x 1/20mm	5460	.393"
70184645306 6	4X416125	16 x .125 x 1/20mm	4500	.393"









# RANGE OVERVIEW



**MODEL#**

BBL527

BBC207

BBM307

**UPC#**

70184683150 5

70184682501 6

70184600684 2

**MAX. BLADE  
CAPACITY**

**20"**  
(508mm)

**14"**  
(177mm)

**14"**  
(355mm)

**MAX.  
HP.**

**5 HP** (3.7 kW)

**2 HP** (2.2 kW)

**3 HP** (1.5 kW)



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

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

Accessories	UPC	Smart Part #
Electric Water Pump - PE-1	701846 <b>68392</b> 0	<b>214169</b>
BBL Mechanical Water Pump	003100 <b>04436</b> 9	<b>073279</b>
BBL Water Pump Pulley	003100 <b>04883</b> 6	<b>076552</b>
Conveyor Cart Replacement	003100 <b>07390</b> 5	<b>083777</b>

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



Electric Water Pump



Conveyor Cart Replacement



**Water Pan Design**

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



**Tilt-Locking Cart Wheels**

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



**Stay Level Blade Guard**

Full depth of cut.



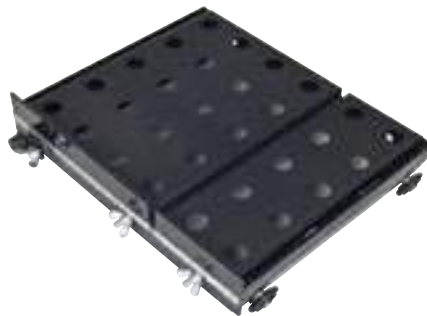
Combines the performance of a full size masonry saw with the convenience of portability. Also available in gas or electric versions, the BBC saws have a rugged jig-welded frame, durable enough for even the heaviest work load. Standard rear wheel dolly design and removable legs make transport and set-up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

TECHNICAL SPECIFICATIONS	BBC157	BBC207	BBC307	BBC547	BBC507
<b>Product Number</b>	701846 <b>82488</b> 0	701846 <b>82501</b> 6	701846 <b>30011</b> 7	701846 <b>82175</b> 9	701846 <b>30012</b> 4
Blade Guard Capacity – in. (mm)	14" (177)	14" (177)	20" (508)	14" (177)	20" (508)
Maximum Depth of Cut – in. (mm)	5" (127)	5" (127)	8" (203)	5" (127)	8" (203)
Arbor Size – in. (mm)	1" (25)	1" (25)	1" (25)	1" (25)	1" (25)
Blade Flange Diameter – in. (mm)	4" (107)	4" (107)	4" (107)	4" (107)	4" (107)
Blade Shaft RPM	2,900	2,900	2,400	2,900	2,400
Blade Shaft Bearings	1" Heavy Duty Flange				
Blade Shaft Drive	1 Belt				
Blade Guard Attachment	All Steel, Stay Level				
Conveyor Cart	All steel cart, tilt-lock cart wheels, anti-skid surface, measuring rule; 45°/90° cutting guide				
Frame	Heavy-duty, jig-welded steel frame. Open construction for larger materials. Adjustable foot pedal and head height control.				
Water Pump	Electric or Mechanically Belt Driven	Electric or Mechanically Belt Driven	Electric or Mechanically Belt Driven	Mechanically Belt Driven	Mechanically Belt Driven
Power Source	Electric	Electric	Electric	Gasoline	Gasoline
Motor/Engine Type	Baldor	Baldor	Baldor	Honda GX200	Honda GX200
Specifications	T.E.F.C., Thermal Protection	T.E.F.C., Thermal Protection	T.E.F.C., Thermal Protection	GX200K1QXC9	GX200K1QXC9
Net Horsepower*	1-1/2 HP	2 HP	3 HP	5.5 HP (4.1 kW)	5.5 HP (4.1 kW)
Voltage	115/230 volts	115/230 volts	208-230 volts	NA	NA
Cycle*/Current/Phase	60 Hz/AC/1	60 Hz/AC/1	60 Hz/AC/1	NA	NA
Full Load Amps	13.4/6.7 Amps	16.8/8.4 Amps	13 Amps	NA	NA
Starter	Capacitor	Capacitor	Capacitor	Recoil	Recoil
Engine Cooling	Air	Air	Air	Forced Air	Forced Air
Displacement – cu. In (l)	NA	NA	NA	11.96 cu. In (0.196 l)	11.96 cu. In (0.196 l)
Bore – in. (mm)	NA	NA	NA	2.7" (68)	2.7" (68)
Stroke – in. (mm)	NA	NA	NA	2.12" (54)	2.12" (54)
Cylinders/Stroke	NA	NA	NA	Single Cylinder 4 Cycle	Single Cylinder 4 Cycle
Fuel Capacity – gal. (l)	NA	NA	NA	.95 gal. (3.6 l)	.95 gal. (3.6 l)
Oil Capacity – qt. (l)	NA	NA	NA	.63 at. (.6 l)	.63 at. (.6 l)
Air Filter	NA	NA	NA	Four Stage Cyclone	Four Stage Cyclone
<b>Saw Dimensions</b>					
Saw Length – in. (mm)	60" (1,524)	60" (1,524)	60" (1,524)	60" (1,524)	60" (1,524)
Saw Width – in. (mm)	24" (609)	24" (609)	24" (609)	24" (609)	24" (609)
Saw Height – in. (mm)	34" (864)	34" (864)	34" (864)	38" (965)	38" (965)
Maximum Arbor Height Over Table – in. (mm)	24-1/2" (623)	24-1/2" (623)	24-1/2" (623)	24-1/2" (623)	24-1/2" (623)
Cart Length – in. (mm)	16" (404)	16" (404)	16" (404)	16" (404)	16" (404)
Cart Width – in. (mm)	19-3/8" (492)	19-3/8" (492)	19-3/8" (492)	19-3/8" (492)	19-3/8" (492)
Pan Length – in. (mm)	39-3/8" (1,000)	39-3/8" (1,000)	39-3/8" (1,000)	39-3/8" (1,000)	39-3/8" (1,000)
Pan Width – in. (mm)	18-1/8" (460)	18-1/8" (460)	18-1/8" (460)	18-1/8" (460)	18-1/8" (460)
Weight Crated – lbs (kg)	280 (127)	280 (127)	280 (127)	305 (138)	305 (138)
Weight Un crated – lbs (kg)	250 (113)	250 (113)	250 (113)	275 (125)	275 (125)
<b>Accessories</b>					
	<b>UPC</b>	<b>Smart Part #</b>			
Electric Water Pump – PE-1	7018466 <b>8392</b> 0	<b>214169</b>			
BBC Mechanical Water Pump	0031000 <b>4237</b> 8	<b>072305</b>			
BBC Water Pump Pulley	0031000 <b>4669</b> 9	<b>075270</b>			
Conveyor Cart Replacement	0031000 <b>7367</b> 7	<b>083754</b>			

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



Electric Water Pump



Conveyor Cart Replacement



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

<b>TECHNICAL SPECIFICATIONS</b>	<b>BBM307</b>	<b>BBM158</b>
<b>Product Number</b>	701846 <b>00684</b> 2	701846 <b>26327</b> 6
Blade Guard Capacity – in. (mm)	14" (355)	14" (355)
Maximum Depth of Cut – in. (mm)	5" (127)	5" (127)
Arbor Size – in. (mm)	1" (25)	1" (25)
Blade Flange Diameter – in. (mm)	4" (100)	4" (100)
Blade Shaft RPM	3,600	2,800
Blade Shaft Bearings	Sealed Radial Bearings	Sealed Radial Bearings
Blade Shaft Drive	Gear Drive	Belt Drive
Blade Guard Attachment	All Steel, Pivoting Posi-Loc Cutting Head	All Steel, Pivoting Cutting Head
Conveyor Cart	Aluminum With Steel Wheels and Seale Bearings	Aluminum With Steel Wheels and Seale Bearings
Water Pump	Optional	Optional
Frame	Steel Reinforced Frame	Steel Reinforced Frame
Power Source	Electrical	Electrical
Motor/Engine Type	AC Universal Motor	Induction
Specifications	Carbon Brush, Thermal Protection	T.E.F.C., Thermal Protection
Net Horsepower*	3 HP	2 HP
Voltage	115 volts	115/230 volts
Cycle*/Current/Phase	60Hz/AC/1	60Hz/AC/1
Full Load Amps	10 Amps	15 Amps
Starter	NA	NA
Engine Cooling	Forced Air	Forced Air
Air Filter	Yes	NA
<b>Saw Dimensions</b>		
Saw Length – in. (mm)	31-1/2" (800)	31-1/2" (800)
Saw Width – in. (mm)	18" (470)	18" (470)
Saw Height – in. (mm)	30" (762)	27-3/4" (695)
Maximum Arbor Height Over Table – in. (mm)	15-1/16" (383)	16-17/32" (420)
Cart Length – in. (mm)	10-7/16" (265)	10-7/16" (265)
Cart Width – in. (mm)	16-17/32" (420)	16-17/32" (420)
Pan Length – in. (mm)	30-1/8" (765)	30-1/8" (765)
Pan Width – in. (mm)	16" (405)	16" (405)
Weight Crated – lbs (kg)	90 (40.8)	150 (68)
Weight Uncrated – lbs (kg)	75 (34)	123.2 (56)
<b>Accessories</b>	<b>UPC</b>	<b>Smart Part #</b>
Wet Kit	701846 <b>00704</b> 7	<b>235003</b>
Stand	701846 <b>00691</b> 0	<b>235001</b>

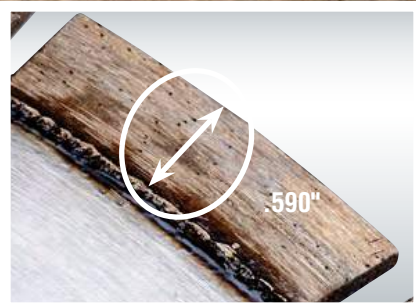
\*= DATA PROVIDED BY ENGINE MANUFACTURER  
**GENUINE NORTON DIAMOND BLADE INCLUDED WITH SAW.**



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

# 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.



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



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



**Patent-Pending Steel Center**  
Design absorbs noise and vibration.





**Reinforced Concrete and Harder Building Materials**

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

**WET – SEGMENTED RIM** 

**NORTON CLIPPER 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 2	SILMBR14125	14 x .125 x 1	4365	.590"
70184684535 9	SILMBR20125	20 x .125 x 1	3055	.590"



**NORTON CLIPPER CLASSIC** 

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

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
70184681335 8	CGWMBR1401	14 x .100 x 1	4365	.281"
70184684556 4	CODMBR2401	24 x .150 x 1	2550	.275"



**DRY – SEGMENTED RIM**  + 

**NORTON CLIPPER 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 1	DUOEVO14118	14 x .118 x 1/20mm	5460	.590"
70184693356 8	DUOEVO16125	16 x .125 x 1	4500	.472"



**NORTON CLIPPER 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 8	DUO14110	14 x .110 x 1/20mm	5460	.393"
70184684430 7	DUO14110 6PK	14 x .110 x 1/20mm	5460	.393"
70184684431 4	DUO14110 12PK	14 x .110 x 1/20mm	5460	.393"
70184683613 5	DUO14125	14 x .125 x 1/20mm	5460	.393"
70184684432 1	DUO14125 6PK	14 x .125 x 1/20mm	5460	.393"
70184684433 8	DUO14125 12PK	14 x .125 x 1/20mm	5460	.393"
70184683798 9	DUO16125	16 x .125 x 1/20mm	4500	.393"



**NORTON CLIPPER 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 3	CGDMBR1401	14 x .100 x 1	4365	.263"
70184681427 0	CGDMBR2001	20 x .125 x 1	3055	.263"
70184684509 0	CGDMBR2101	21 x .125 x 1	2905	.350"





**Reinforced Concrete and Harder Building Materials**

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



**DRY – SEGMENTED RIM** (CONTINUED)



**NORTON CLIPPER 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 3	CHDMBR2001	20 x .125 x 1	3055	.263"
70184684557 1	CODMBL2401	24 x .165 x 1	2550	.275"



**General Purpose and Masonry Building Materials**

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



**WET – SEGMENTED RIM**



**NORTON CLIPPER 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 9	CGWMGP1401	14 x .100 x 1	4365	.263"
70184681339 6	CGWMGP2001	20 x .125 x 1	3055	.263"



**NORTON CLIPPER 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 0	CHWMGP1401	14 x .100 x 1	4365	.263"
70184681332 7	CHWMGP2001	20 x .125 x 1	3055	.263"





General Purpose and Masonry Building Materials

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

**DRY – SEGMENTED RIM**



**NORTON CLIPPER 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 2	DUODMGP1401	14 x .110 x 1	4365	.472"



**NORTON CLIPPER 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 7	CGDMGP1401	14 x .100 x 1	4365	.275"
70184681429 4	CGDMGP2001	20 x .125 x 1	3055	.263"



**NORTON CLIPPER 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 8	CODMGP7H2001	20 x .140 x 1	4365	.275"
70184684251 8	CODMGP10H2001	20 x .165 x 1	3055	.393"



**DRY – TURBO RIM**



**NORTON CLIPPER 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 0	CGHSTS1420	14 x .125 x 1/20mm	5460	.472"



**NORTON CLIPPER 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.

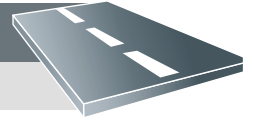
UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
70184684181 8	VPHSGP1420	14 x .110 x 1/20mm	5460	.393"
70184684428 4	VPHSGP1420 20PK	14 x .110 x 1/20mm	5460	.393"





## Asphalt and Abrasive Materials

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



### DRY – SEGMENTED RIM +

#### NORTON CLIPPER 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 3	CGDMBL1401	14 x .100 x 1	4365	.326"
70184681424 9	CGDMBL2001	20 x .125 x 1	3055	.326"
70184684510 6	CGDMBL2101	21 x .125 x 1	2905	.326"



#### NORTON CLIPPER CLASSIC

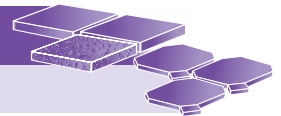
Ideal blade for small to medium size jobs with masonry saws. Economically priced with good productivity in abrasive materials.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
70184681325 9	CHDMBL1401	14 x .100 x 1	4365	.326"
70184684511 3	CHDMBR2001	20 x .125 x 1	3055	.326"



## Natural Stone and Tiles

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



### WET – SEGMENTED RIM – HARD REFRACTORIES, TILES

#### NORTON CLIPPER 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 8	NXWRHD1401	14 x .095 x 1	4365	.326"
70184681456 0	NXWRHD1801	18 x .125 x 1	3395	.326"
70184681457 7	NXWRHD2001	20 x .125 x 1	3055	.326"



#### NORTON CLIPPER CLASSIC

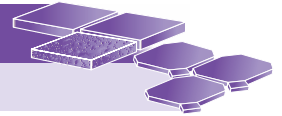
An economical solution for small to medium size jobs. Efficient cutting of thick granite, marble and refractory materials with 50% or less alumina.

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
70184681453 9	CGWRGP1401	14 x .100 x 1	4365	.250"
70184681454 6	CGWRGP1801	18 x .125 x 1	3395	.250"
70184681455 3	CGWRGP2001	20 x .125 x 1	3055	.250"





Natural Stone and Tiles



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

WET – CONTINUOUS RIM – HARD REFRACTORIES, TILES 

NORTON CLIPPER SLICER 

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

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
70184684186 3	NXSLC1201	12 x .080 x 1	5095	.393"
70184684187 0	NXSLC1401	14 x .080 x 1	4365	.393"



DRY – TURBO RIM – GRANITE, MARBLE, TILES  + 

NORTON CLIPPER AERO-JET 

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

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
70184683785 9	AEROHS1420	14 x .125 x 1/20mm	5460	.590"



Multi-Purpose, All Materials

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



DRY – SEGMENTED RIM – SOFT TO HARD AGGREGATES  + 

NORTON CLIPPER 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 2	4X414125	14 x .125 x 1/20mm	5460	.393"
70184645306 6	4X416125	16 x .125 x 1/20mm	4500	.393"





# RANGE OVERVIEW



**MODEL#**

CTC1020XL

CTC705

CTC701

TC405

**UPC#**

70184630013 1

70184681496 6

70184630029 2

70184682709 6

**BLADE GUARD  
SIZE**

**10"**  
(254mm)

**7"**  
(178mm)

**7"**  
(178mm)

**5"**  
(127mm)

**MAX.  
HP.**

**2 HP** (1.5 kW)

**1 HP** (0.7 kW)

**1.5 HP** (1.1 kW)

**0.5 HP** (0.4 kW)

**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 Number	70184630013 1
Blade Guard Capacity – in. (mm)	10" (254)
Maximum Depth of Cut – in. (mm)	3-3/4" (88)
Arbor Size – in. (mm)	5/8"
Blade Flange Diameter – in. (mm)	3 (78)
Blade Shaft RPM	3,000
Maximum Material Size – in. (mm)	24" x 24"
Rip Cut Size – in. (mm)	24" (610)
Diagonal Size – in. (mm)	18" (457)
Cut Depth – in. (mm)	3-3/4" (95)
Cutting Head	Cast Aluminum
Built-In 45° Miter Cut	NO, Includes Miter Block
Cutting Table	Aluminum With Rubber Coating
Water Pump	YES
Power Source	Electric
Motor/Engine Type	Brush Motor with Thermal Protection
Maximum Horsepower*	2 HP
Voltage	115 volt
Cycle*/Current/Phase	60 Hz/AC/1
Full Load Amps	8 Amp

## Saw Dimensions

Saw Length – in. (mm)	51-7/8" (1318)
Saw Width – in. (mm)	25-3/16" (640)
Saw Height – in. (mm)	20-7/8" (530)
Saw Height With Stand – in. (mm)	41-13/16" (1240)
Arbor to Top of Cart – in. (mm)	4-3/4" (120)
Cart (Table) Length – in. (mm)	16" (406)
Cart (Table) Width – in. (mm)	16-9/64" (410)
Cart Travel – in. (mm)	22-5/8" (575)
Pan Length – in. (mm)	51-7/8" (1318)
Pan Width – in. (mm)	25-3/16" (640)
Weight Crated – lbs (kg)	75 (34)
Weight Uncrated – lbs. (kg)	65 (29.5)

## Accessories

Accessories	UPC	Smart Part #
Electric Water Pump - PE-1	70184668392 0	214169
Premium Stand w/Work Table	70184643045 6	242098
Adjustable Angle Guide	70184680907 8	233043

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



Electric Water Pump



Premium Stand with Work Table



Adjustable Angle Guide



### 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 Number	CTC705
Blade Guard Capacity – in. (mm)	7" (177)
Maximum Depth of Cut – in. (mm)	2-1/4" (57)
Arbor Size – in. (mm)	5/8"
Blade Flange Diameter – in. (mm)	2-1/2" (66)
Blade Shaft RPM	6000 RPM
Maximum Material Size – in. (mm)	17" (431)
Rip Cut Size – in. (mm)	17" (431)
Diagonal Size – in. (mm)	12" (305)
Cut Depth – in. (mm)	1-3/4" (44.5)
Cutting Head	Cast Aluminum
Built-In 45° Miter Cut	No
Cutting Table	Aluminum
Water Pump	Yes
Power Source	Electric
Motor/Engine Type	Carbon Brush
Maximum Horsepower*	1 HP
Voltage	115 volt
Cycle*/Current/Phase	60 Hz/AC/1
Full Load Amps	10 Amps

## Saw Dimensions

Saw Length – in. (mm)	30" (762)
Saw Width – in. (mm)	19-3/4" (502)
Saw Height – in. (mm)	17-1/2" (445)
Saw Height With Stand – in. (mm)	47-3/4" (1213)
Arbor to Top of Cart – in. (mm)	Adjustable
Cart (Table) Length – in. (mm)	14-1/4" (362)
Cart (Table) Width – in. (mm)	15" (381)
Cart Travel – in. (mm)	18-3/4" (477)
Pan Length – in. (mm)	30" (762)
Weight Crated – lbs. (kg)	50 (22.7)
Weight Uncrated – lbs. (kg)	43 (19.5)

## Accessories

	UPC	Smart Part #
Electric Water Pump - PE-1	70184668392 0	214169
Premium Stand w/Work Table	70184643045 6	242098
Adjustable Angle Guide	70184680907 8	233043

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



Electric Water Pump



Premium Stand with Work Table



Adjustable Angle Guide



### Built-In Water Pan

Single unit design with optimized water recycling.



### Chrome Steel Tilting Table

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



### Quick Locking Rip Guide

Secures guide position for precise cuts.



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

### TECHNICAL SPECIFICATIONS

### CTC701

Product Number	70184630029 2
Blade Guard Capacity – in. (mm)	7" (177)
Maximum Depth of Cut – in. (mm)	2-1/4" (57)
Arbor Size – in. (mm)	5/8"
Blade Flange Diameter – in. (mm)	3 (78)
Blade Shaft RPM	2,990
Cut Depth – in. (mm)	1-9/16" (40)
Cutting Head	Steel
Built-In 45° Miter Cut	YES
Cutting Table	Chrome Steel
Water Pump	Blade Rotates In Water Pan
Power Source	Electric
Motor/Engine Type	T.E.F.C.
Maximum Horsepower*	1.5 HP
Voltage	115 volt
Cycle*/Current/Phase	60 Hz/AC/1
Full Load Amps	7 Amps

### Saw Dimensions

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

\*= DATA PROVIDED BY MOTOR MANUFACTURER



### Recommended Blade Upgrade

ValuPlus Continuous Rim

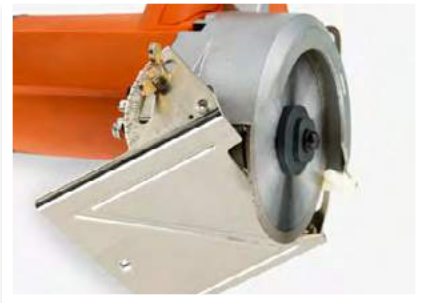
See page 80



**Wet Cut Kit** (included)  
Easy attaching water control.



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



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



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

#### TECHNICAL SPECIFICATIONS

#### TC405

Product Number	70184682709 6
Blade Guard Capacity – in. (mm)	5" (127)
Maximum Depth of Cut – in. (mm)	1-1/4" (31)
Arbor Size – in. (mm)	20mm
Blade Flange Diameter – in. (mm)	1.41 (36)
Blade Shaft RPM	12,000
Cut Depth – in. (mm)	1-3/16" (30)
Built-In 45° Miter Cut	YES
Power Source	Electric
Motor/Engine Type	Universal Brush
Maximum Horsepower*	1/2 HP
Voltage	115 volt
Cycle*/Current/Phase	60 Hz/AC/1
Full Load Amps	5 Amp

#### Saw Dimensions

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

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



**Recommended Blade Upgrade**  
Norton Classic Continuous Rim  
See page 79

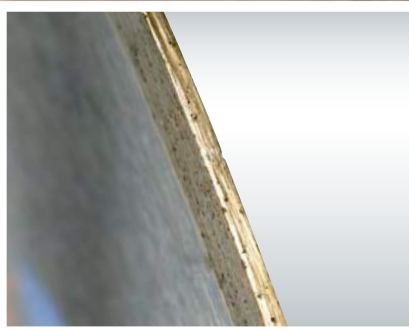
## razor sharp FOR THE EDGE YOU NEED

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.



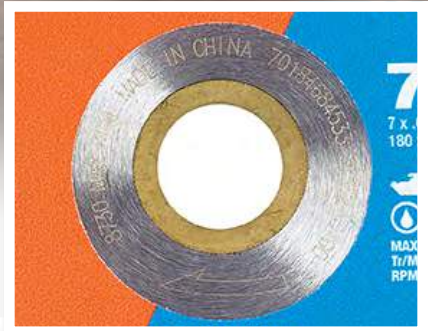
### Premium Segment Specification

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



### Precision Cuts, Every Time

Razor-thin design reduces loss of material



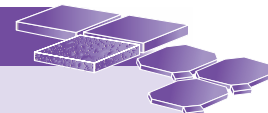
### Thinnest Cuts, Longest Life

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

#### NORTON CLIPPER SLICER

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

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
70184684183 2	NXSLC0700	7 x .060 x 5/8	8730	.393"
70184684184 9	NXSLC0800	8 x .060 x 5/8	7640	.393"
70184684185 6	NXSLC1000	10 x .060 x 5/8	6115	.393"



#### NORTON CLIPPER SLICER GLASS

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

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
70184684533 5	SLSGLS0700	7 x .060 x 7/8	8730	.393"



#### NORTON CLIPPER CLASSIC

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

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
07660701196 1	CON6WT	6 x .065 x 5/8	10185	.393"
70184684017 0	CON7WT	7 x .065 x 5/8	8730	.393"
07660702785 6	CON8WT	8 x .070 x 5/8	7640	.393"
07660702784 9	CON10WT	10 x .070 x 5/8	6115	.393"



### DRY – CONTINUOUS RIM +

#### NORTON CLIPPER SLICER MARBLE

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

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
70184684528 1	SLSMAR0450	4-1/2 x .040 x 7/8	13300	.275"
70184684529 8	SLSMAR0500	5 x .040 x 7/8	12000	.275"
70184684530 4	SLSMAR0700	7 x .060 x 7/8	8730	.275"



#### NORTON CLIPPER CLASSIC

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

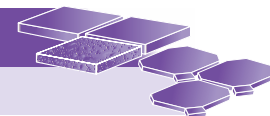
UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
07660702793 1	CON4DT	4 x .080 x 7/8-5/8-20mm	15000	.275"
07660701194 7	CON45DT	4-1/2 x .080 x 7/8-5/8-20mm	13300	.275"
07660702788 7	CON7DT	7 x .090 x DM-7/8-5/8	8730	.275"





Natural Stone and Tiles

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



**DRY – CONTINUOUS RIM** (CONTINUED)

**NORTON CLIPPER 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 3	VPDT0400	4 x .080 x 7/8-5/8-20mm	15000	.275"
70184684088 0	VPDT0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.275"
70184684089 7	VPDT0700	7 x .090 x DM-7/8-5/8	8730	.275"



**DRY – TURBO RIM**

**NORTON CLIPPER AERO-JET**

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

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
70184683778 1	AERO0400	4 x .070 x 7/8-5/8-20mm	15000	.472"
70184683779 8	AERO0450	4-1/2 x .070 x 7/8-5/8-20mm	13300	.472"
70184683780 4	AERO0500	5 x .070 x 7/8-5/8-20mm	12000	.472"
70184683781 1	AERO0700	7 x .090 x DM-7/8-5/8	8730	.472"
70184683782 8	AERO0800	8 x .090 x DM-7/8-5/8	7640	.472"
70184683783 5	AERO1000	10 x .110 x 1-7/8-5/8	6115	.472"



**NORTON CLIPPER SLICER FLUSH**

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

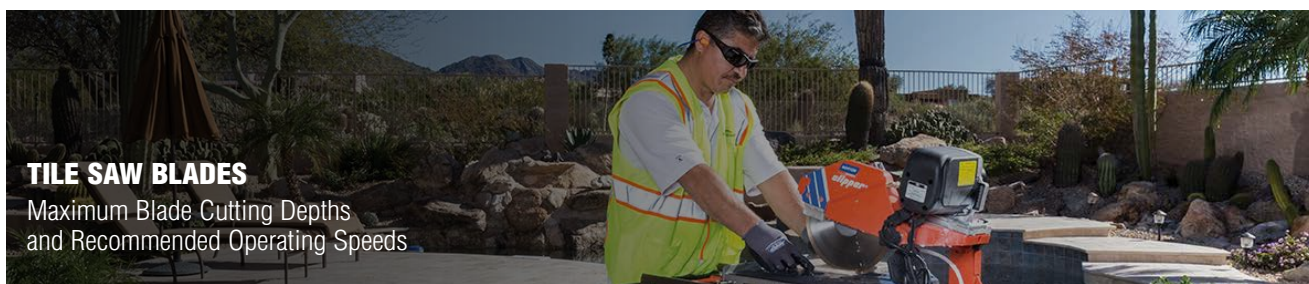
UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
70184684546 5	SLSTURFL0450	4-1/2 x .040 x 7/8	13300	.472"
70184684545 8	SLSTURFL0500	5 x .040 x 7/8"	12000	.472"



**TILE SAW BLADES**

Maximum Blade Cutting Depths and Recommended Operating Speeds

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







## General Purpose and Masonry Building Materials

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

### DRY – SEGMENTED RIM +

#### NORTON CLIPPER 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 0	CGDSEG1000	10 x .100 x 1-7/8-5/8	6115	.393"



#### NORTON CLIPPER 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 2	CODSEG1000	10 x .100 x 1-7/8-5/8	6115	.275"



### DRY – TURBO RIM +

#### NORTON CLIPPER 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
07660704022 0	CGTURB0700	7 x .090 x DM-7/8-5/8	8730	.427"
70184681512 3	CGTURB0800	8 x .090 x DM-7/8-5/8	7640	.427"



#### NORTON CLIPPER 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
07660702787 0	COTURB0700	7 x .090 x DM-7/8-5/8	8730	.275"
07660704016 9	0700TURB05PK	7 x .090 x DM-7/8-5/8	8730	.275"
07660702780 1	COTURB1000	10 x .100 x 1-7/8-5/8"	6115	.275"



#### NORTON CLIPPER VALUPLUS

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

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
70184684107 8	VPTURB0700	7 x .090 x DM-7/8-5/8	8730	.275"









## we've started a **SURFACE GRINDING REVOLUTION**

The new Norton Infiltrated High-Density technology (iHD) combined with its patented diamond blade laser welding process is the biggest breakthrough in diamond tools this century.

This revolutionary process provides unrivalled performance, increased safety, lower energy manufacturing and a wider choice of segment design.



### **Large Grinding Surface**

For better comfort with minimal vibration.



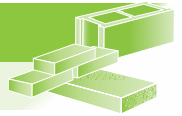
### **iHD Segments**

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 – SEGMENTED RIM** 

**NORTON CLIPPER 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	7 DU00450	4-1/2 x .086 x 7/8-5/8-20mm	13300	.393"
70184684527	4 DU00500	5 x .086 x 7/8-5/8-20mm	12000	.393"
70184684129	8 DU00700	7 x .098 x DM-7/8-5/8	8730	.393"



**NORTON CLIPPER 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	5 CGDSEG0400	4 x .080 x 7/8-5/8-20mm	15000	.393"
07660704021	3 CGDSEG0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.393"
70184682851	2 CGDSEG0500	5 x .080 x 7/8-5/8-20mm	12000	.393"
70184683820	7 CGDSEG0600	6 x .080 x 7/8-5/8-20mm	10185	.393"
07660704020	6 CGDSEG0700	7 x .090 x DM-7/8-5/8	8730	.393"
70184681513	0 CGDSEG0800	8 x .090 x DM-7/8-5/8	7640	.393"
70184669483	4 CGDSEG0900	9 x .090 x 7/8-5/8"	6600	.393"



**NORTON CLIPPER 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	7 CODSEG0400	4 x .080 x 7/8-5/8-20mm	15000	.315"
07660702789	4 CODSEG0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.315"
70184684463	5 0450SEG5PK	4-1/2 x .080 x 7/8-5/8-20mm	13300	.315"
70184684006	4 CODSEG0600	6 x .080 x 7/8-5/8-20mm	10185	.315"
07660702786	3 CODSEG0700	7 x .090 x DM-7/8-5/8	8730	.315"
70184684464	2 0700SEG5PK	7 x .090 x DM-7/8-5/8	8730	.315"



**NORTON CLIPPER 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	9 VPSEG0400	4 x .080 x 7/8-5/8-20mm	15000	.275"
70184684099	6 VPSEG0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.275"
70184684100	9 VPSEG0700	7 x .090 x DM-7/8-5/8	8730	.275"





General Purpose and Masonry Building Materials



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

**DRY – TURBO RIM**  

**NORTON CLIPPER 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 3	CGTURB0400	4 x .080 x 7/8-5/8-20mm	15000	.394"
07660704023 7	CGTURB0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.394"
70184682853 6	CGTURB0500	5 x .080 x 7/8-5/8-20mm	12000	.394"
70184683821 4	CGTURB0600	6 x .080 x 7/8-5/8-20mm	10185	.394"
07660704022 0	CGTURB0700	7 x .090 x DM-7/8-5/8	8730	.394"
70184681512 3	CGTURB0800	8 x .090 x DM-7/8-5/8	7640	.394"



**NORTON CLIPPER 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 4	COTURB0400	4 x .080 x 7/8-5/8-20mm	15000	.315"
07660704018 3	0400TURB05PK	4 x .080 x 7/8-5/8-20mm	15000	.315"
07660702790 0	COTURB0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.315"
07660704017 6	0450TURB05PK	4-1/2 x .080 x 7/8-5/8-20mm	13300	.315"
07660705344 2	COMBO Pack	4-1/2 x .080 x 7/8-5/8-20mm	13300	.315"
70184684011 8	COTURB0600	6 x .080 x 7/8-5/8-20mm	10185	.315"
07660702787 0	COTURB0700	7 x .090 x DM-7/8-5/8	8730	.315"
07660704016 9	0700TURB05PK	7 x .090 x DM-7/8-5/8	8730	.315"



**NORTON CLIPPER 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.

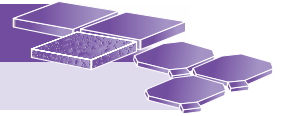
UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
70184684105 4	VPTURB0400	4 x .080 x 7/8-5/8-20mm	15000	.275"
70184684106 1	VPTURB0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.275"
70184684107 8	VPTURB0700	7 x .090 x DM-7/8-5/8	8730	.275"





Natural Stone and Tiles

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



**DRY – TURBO RIM**

**NORTON CLIPPER AERO-JET**

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

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
70184683778 1	AERO0400	4 x .070 x 7/8-5/8-20mm	15000	.590"
70184683779 8	AERO0450	4-1/2 x .070 x 7/8-5/8-20mm	13300	.590"
70184683780 4	AERO0500	5 x .070 x 7/8-5/8-20mm	12000	.590"
70184683781 1	AERO0700	7 x .090 x DM-7/8-5/8	8730	.590"
70184683782 8	AERO0800	8 x .090 x DM-7/8-5/8	7640	.590"



**NORTON CLIPPER SLICER FLUSH**

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

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
70184684546 5	SLSTURFL0450	4-1/2 x .040 x 7/8	13300	.590"
70184684545 8	SLSTURFL0500	5 x .040 x 7/8"	12000	.590"



**DRY – SEGMENTED RIM**

**NORTON CLIPPER SLICER MARBLE**

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

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
70184684528 1	SLSMAR0450	4-1/2 x .040 x 7/8	13300	.275"
70184684529 8	SLSMAR0500	5 x .040 x 7/8	12000	.275"
70184684530 4	SLSMAR0700	7 x .060 x 7/8	8730	.275"



**DRY – CONTINUOUS RIM**

**NORTON CLIPPER CLASSIC**

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

UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
07660702793 1	CON4DT	4 x .080 x 7/8-5/8-20mm	15000	.275"
07660701194 7	CON45DT	4-1/2 x .080 x 7/8-5/8-20mm	13300	.275"
07660702788 7	CON7DT	7 x .090 x DM-7/8-5/8	8730	.275"



**NORTON CLIPPER VALUPLUS**

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

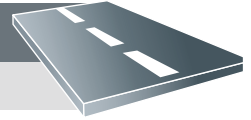
UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT
70184684087 3	VPDT0400	4 x .080 x 7/8-5/8-20mm	15000	.275"
70184684088 0	VPDT0450	4-1/2 x .080 x 7/8-5/8-20mm	13300	.275"
70184684089 7	VPDT0700	7 x .090 x DM-7/8-5/8	8730	.275"





### Asphalt and Abrasive Materials

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



#### DRY – TUCK POINTING

##### NORTON CLIPPER 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 1	CGTUCK0400	4 x .250 x 7/8-5/8-20mm	15000	.275"
70184681781 3	CGTUCK0450	4-1/2 x .250 x 7/8-5/8-20mm	13300	.275"



##### NORTON CLIPPER 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 9	CHTUCK0400	4 x .250 x 7/8-5/8-20mm	15000	.275"
70184681777 6	CHTUCK0450	4-1/2 x .250 x 7/8-5/8-20mm	13300	.275"
70184681778 3	CHTUCK0500	5 x .250 x 7/8-5/8-20mm	12000	.275"
70184681779 0	CHTUCK0700	7 x .250 x 7/8-5/8-20mm	8730	.275"
70184681780 6	CHTUCK0800	8 x .250 x 7/8-5/8-20mm	7640	.275"



##### NORTON CLIPPER 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 0	CON4TP	4 x .250 x 7/8-5/8-20mm	15000	.275"
70184683862 7	CON45TP	4-1/2 x .250 x 7/8-5/8-20mm	13300	.275"



### Reinforced Concrete and Harder Building Materials

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



#### DRY – CRACK CHASING

##### NORTON CLIPPER 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"







General Purpose and Masonry Building Materials



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

**DRY – CUP GRINDER**  

**NORTON CLIPPER 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	3	3X3CG0400	4 x 5/8"-11	15000	.177"
70184601766	4	3X3CG0500	5 x 5/8"-11	12225	.177"
70184601769	5	3X3CG0700	7 x 5/8"-11	8730	.177"



**NORTON CLIPPER 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.

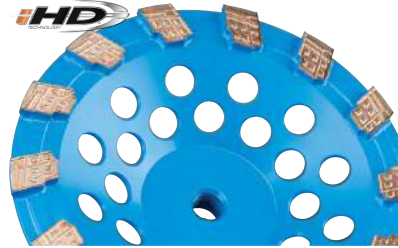
UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	
<b>Single Row for Fast Stock Removal</b>					
70184601762	6	CGCG0400	4 x 5/8"-11	15000	.177"
70184601765	7	CGCG0500	5 x 5/8"-11	12225	.177"
70184601768	8	CGCG0700	7 x 5/8"-11	8730	.177"



**NORTON CLIPPER 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	9	CCCG0400	4 x 5/8"-11	15000	.177"
70184601764	0	CCCG0500	5 x 5/8"-11	12225	.177"
70184601767	1	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.





## General Purpose and Masonry Building Materials



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

### DRY – CUP GRINDER

#### NORTON CLIPPER 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	6	CHSCPH0400	4 x 7/8-5/8-20mm	15000	.210"
70184684035	4	CHSCPH0500	5 x 7/8-5/8-20mm	12225	.210"
70184682594	8	CHSCPH0700	7 x 7/8-5/8-20mm	8730	.210"
70184682555	9	CHSCPT0400	4 x 5/8"-11	15000	.210"
70184684036	1	CHSCPT0500	5 x 5/8"-11	12225	.210"
70184682593	1	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	7	CHDCPH0400	4 x 7/8-5/8-20mm	15000	.210"
70184684037	8	CHDCPH0500	5 x 7/8-5/8-20mm	12225	.210"
70184682596	2	CHDCPH0700	7 x 7/8-5/8-20mm	87330	.210"
70184682586	3	CHDCPT0400	4 x 5/8"-11	15000	.210"
70184684038	5	CHDCPT0500	5 x 5/8"-11	12225	.210"
70184682595	5	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	2	CHSWCPH0500	5 x 7/8-5/8-20mm	12225	.180"
70184683825	2	CHSWCPH0700	7 x 7/8-5/8-20mm	8730	.180"
70184683826	9	CHSWCPT0400	4 x 5/8"-11	15000	.180"
70184684040	8	CHSWCPT0500	5 x 5/8"-11	12225	.180"
70184683827	6	CHSWCPT0700	7 x 5/8"-11	8730	.180"



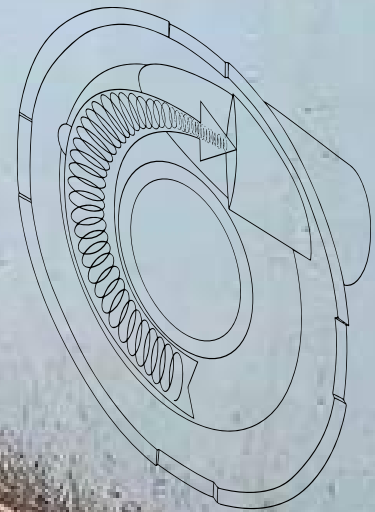
UPC	PART #	SIZE	MAX RPM	SEGMENT HEIGHT	
<b>Turbo for Long Life, Very Smooth Finish</b>					
70184683830	6	CHTURCPT0400	4 x 5/8"-11	15000	.210"
70184683831	3	CHTURCPT0700	7 x 5/8"-11	8730	.210"
70184644801	7	CHTURSB0450	4-1/2" X 5/8-11	15000	.196"
70184644802	4	CHTURSB0700	7 x 5/8"-11	8730	.196"





# 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** 7

701846**41039** 7

**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.

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.

## CORE DRILL





# RANGE OVERVIEW



**MODEL#**  
**UPC#**

DR620  
70184600925 6

HDD3TOL HAND-HELD  
70184621725 5

HHDETOL  
70184600917 1

HHDET1800  
70184684243 3

**MAX. DRILLING  
CAPACITY**

10"  
(254mm)

6"  
(127mm)

6"  
(178mm)

4"  
(178mm)

**MAX.  
HP.**

25 Amps

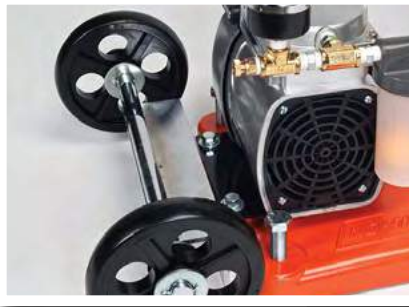
15 Amps

15 Amps

15 Amps



**Vacuum Pump**  
Superior stabilization.



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



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



**DR520**



**DR620C**

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

TECHNICAL SPECIFICATIONS	DR520	DR620	DR620C
<b>Product Number</b>	701846 <b>00924</b> 9	701846 <b>00925</b> 6	701846 <b>00926</b> 3
Gears	2	2	2
Motor Type	Milwaukee	Milwaukee	Cardi
Motor Specification	4096	4096	D3-250-EL
Voltage	115 volts	115 volts	115 volts
Cycle*/Current/Phase	60 Hz/AC/1	60 Hz/AC/1	60 Hz/AC/1
Amperage	20 Amp	20 Amp	25 Amp
RPM	450/900	450/900	450/900
Spindle Thread Size	1-1/4"-7 UNC	1-1/4"-7 UNC	1-1/4"-7 UNC
Base – Combo – in. (mm) LxW	18-7/8" x 13-3/4" (450x350)	18-7/8" x 13-3/4" (450x350)	18-7/8" x 13-3/4" (450x350)
Column Length – in. (mm)	42" (1,067)	40" (1,016)	40" (1,016)
Slide Carriage	One Piece Aluminum Carriage, Rack and Pinion, Carriage Lock, and Quick Detach Motor Mount Dove Tail		
Wheel Base (outside to outside) in. (mm)	15-1/2" (394)	15-1/2" (394)	15-1/2" (394)
Wheels (D x W x B) in. (mm)	6"x1-3/8"x3/4" (152x35x19)	6"x1-3/8"x3/4" (152x35x19)	6"x1-3/8"x3/4" (152x35x19)
Vacuum Pump	YES	YES	YES
Control Panel	YES	YES	YES
Weight Crated – lbs (kg)	140 (63.5)	140 (63.5)	135 (61.2)
Weight Uncrated – lbs (kg)	125 (56.7)	125 (56.7)	120 (54.4)
<b>Recommended Bit Sizes</b>			
Low in. (mm)	6" to 10" (152 to 254)	6" to 10" (152 to 254)	6" to 10" (152 to 305)
High in. (mm)	2" to 6" (50 to 152)	2" to 6" (50 to 152)	2" to 6" (50 to 152)
<b>Drill Rig Stands</b>		<b>UPC</b>	<b>Smart Part #</b>
DS5/DS6 Drill Rig Stand – Standard Base	701846 <b>00922</b> 5		<b>D55</b>
DS5/DS6 Drill Rig Stand – Pivoting Base	701846 <b>00923</b> 2		<b>D56</b>
<b>DM5/DM6 Drill Motors</b>		<b>UPC</b>	<b>Smart Part #</b>
15 amp Milwaukee	701846 <b>57976</b> 6		<b>403061</b>
20 amp Milwaukee	701846 <b>57985</b> 8		<b>403064</b>
20 amp Cardi	701846 <b>22228</b> 0		<b>T3-250-EL</b>
<b>Accessories</b>		<b>UPC</b>	<b>Smart Part #</b>
Spacer Block	701846 <b>00927</b> 0		<b>408002</b>
4 Gallon Water Pressure Tank	701846 <b>75539</b> 9		<b>403126</b>
Water Collector Ring	701846 <b>58498</b> 2		<b>402034</b>
Core Bit Quick Release Attachment	701846 <b>00938</b> 6		<b>408003</b>
Vacuum Pump for DR520/620	701846 <b>45802</b> 3		<b>408299</b>

\*= DATA PROVIDED BY ENGINE MANUFACTURER



## CORE BITS

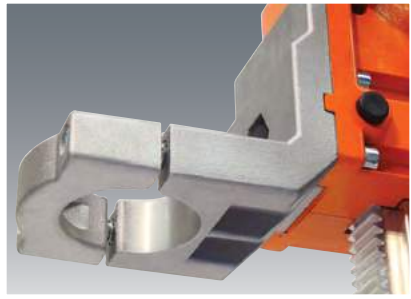
Minimum and Maximum Recommended Operating Speeds

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



**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.



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

**TECHNICAL SPECIFICATIONS HDR600C**

Product Number	70184644020 2
Gears	1
Motor Type	Electric
Voltage	115 volts
Cycle*/Current/Phase	60Hz/AC/1
Amperage*	15 Amps
RPM (No Load)	940
Smart Electronics	YES
Weight Crated – lbs. (kg)	18 (8.1)
Weight Uncrated – lbs. (kg)	12 (5.4)

**Recommended Bit Sizes**

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

Accessories	UPC	Smart Part #
Core Bit Quick Release Attachment	70184600938 6	408003
Centering Aid	70184623517 4	409122

\*= DATA PROVIDED BY MOTOR MANUFACTURER



**Recommended Core Bit**

Norton Clipper Charger  
See page 103





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



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



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



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

TECHNICAL SPECIFICATIONS	HHD3TOL
<b>Product Number</b>	70184621725 5
Gears	3
Motor Type	Electric
Voltage	115 volts
Cycle*/Current/Phase	60Hz/AC/1
Amperage*	15 (18) Amps
RPM	770/1,860/2,580
Smart Electronics	YES
Weight Crated	27 (12.2)
Weight Uncrated	17 (7.3)

Recommended Bit Sizes		
Low – in. (mm)	2" to 4" (50 to 102)	4" to 6" (100 to 150)
Medium - in. (mm)		2" to 3" (50 to 75)
High – in. (mm)	1/2" to 2" (12 to 50)	1" to 2" (25 to 50)
Accessories	UPC	Smart Part #
Portable Stand L160	70184601454 0	<b>L160</b>
Core Bit Quick Release Attachment	70184600938 6	<b>408003</b>
Centering Aid	70184623517 4	<b>409122</b>

\*= DATA PROVIDED BY MOTOR MANUFACTURER



**Recommended Core Bit**  
Norton Clipper Paradigm  
See page 103



**1-1/4" – 7 Spindle with 5/8-11 Threaded Adaptor**  
Allows additional bit types to be used.



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



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



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

TECHNICAL SPECIFICATIONS	HHDETOL	
<b>Product Number</b>	701846 <b>00917</b> 1	
Gears	2	
Motor Type	Electric	
Voltage	115 volts	
Cycle*/Current/Phase	60Hz/AC/1	
Amperage*	15 Amps	
RPM (No Load)	1,180/2,150	
Smart Electronics	YES	
Weight Crated – lbs. (kg)	19 (8.6)	
Weight Uncrated – lbs. (kg)	13 (5.9)	
<b>Recommended Bit Sizes</b>		
Low – in. (mm)	2" to 4" (50 to 102)	
High – in. (mm)	1/2" to 2" (12 to 50)	
<b>Accessories</b>		
Portable Stand L160	003100 <b>07829</b> 0	<b>L160</b>
Core Bit Quick Release Attachment	701846 <b>00938</b> 6	<b>408003</b>
Centering Aid	701846 <b>23517</b> 4	<b>409122</b>

\*= DATA PROVIDED BY MOTOR MANUFACTURER

**Recommended Core Bit**  
Norton Clipper Charger  
See page 105



**Smart Electronics Protection**

No over-heating of electrical components.



**Water Attachment and Accessories**

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



**Rugged Carrying Case**

Protects unit and accessories from damage.



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



**Recommended Core Bit**



Norton Clipper Classic  
See page 104

TECHNICAL SPECIFICATIONS	HHDET1800	
<b>Product Number</b>	701846 <b>84243</b> 3	
Gears	1	
Motor Type	Electric	
Voltage	115 volts	
Cycle*/Current/Phase	60Hz/AC/1	
Amperage*	15 Amps	
RPM (No Load)	940	
Smart Electronics	YES	
Weight Crated – lbs. (kg)	18 (8.1)	
Weight Uncrated – lbs. (kg)	12 (5.4)	
<b>Recommended Bit Sizes</b>		
Low – in. (mm)	2" to 4" (50 to 102)	
High – in. (mm)	n/a	
<b>Accessories</b>	<b>UPC</b>	<b>Smart Part #</b>
Portable Stand L160	003100 <b>01454</b> 0	<b>L160</b>
Core Bit Quick Release Attachment	701846 <b>00938</b> 6	<b>408003</b>
Centering Aid	701846 <b>23517</b> 4	<b>409122</b>

\*= DATA PROVIDED BY MOTOR MANUFACTURER



**ACCESSORIES FOR CORE DRILLING**

UPC	Smart Part #	DESCRIPTION	SIZE
701846 <b>69858</b> 0	<b>Y1017</b>	Nylon Washer	
			
701846 <b>69995</b> 6	<b>402760</b>	Extension	6" x 1-1/4" 7 Thread
			
701846 <b>48793</b> 1	<b>402758</b>	Extension	6" x 5/8" 11 Thread
			
701846 <b>48791</b> 7	<b>402756</b>	Extension	12" x 1-1/4" 7 Thread
			
701846 <b>48792</b> 4	<b>402757</b>	Extension	12" x 5/8" 11 Thread
			
701846 <b>49430</b> 4	<b>400148</b>	Coupling	1-1/4" – 7(F) – 5/8" – 11(M)
			
701846 <b>49797</b> 8	<b>400147</b>	Coupling	5/8" – 11(F) – 1 1/4" – 7(M)
			
701846 <b>83078</b> 2	<b>4913</b>	Drill Chuck Adapter	5/8" 11 thread to straight 1/2" shank
			

**NOTE:**

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



**ACCESSORIES FOR CORE DRILLING** (CONTINUED)

UPC	Smart Part #	DESCRIPTION
701846 <b>01454</b> 0	<b>L160</b>	Portable Stand L160



UPC	Smart Part #	DESCRIPTION
701846 <b>23517</b> 4	<b>409122</b>	Centering Aid for Cardi



UPC	Smart Part #	DESCRIPTION
701846 <b>45802</b> 3	<b>408299</b>	Vacuum Pump for CD100



UPC	Smart Part #	DESCRIPTION
701846 <b>00938</b> 6	<b>408003</b>	Core Bit Quick Release Attachment



UPC	Smart Part #	DESCRIPTION
701846 <b>00927</b> 0	<b>408002</b>	Spacer Block



UPC	Smart Part #	DESCRIPTION
701846 <b>58498</b> 2	<b>402034</b>	Water Collector Ring



UPC	Smart Part #	DESCRIPTION
701846 <b>00983</b> 6	<b>408012</b>	Vacuum Base Gasket - DS5/DS6





# 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

#### NORTON CLIPPER 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	6 PDBIT0200	2"	51mm	2000	.315"
70184601411	3 PDBIT0250	2-1/2"	64mm	1300	.315"
70184601412	10 PDBIT0300	3"	76mm	1300	.315"
70184601413	7 PDBIT0350	3-1/2"	89mm	1300	.315"
70184601414	4 PDBIT0400	4"	102mm	1000	.315"
70184601415	1 PDBIT0450	4-1/2"	114mm	800	.315"
70184601416	8 PDBIT0500	5"	127mm	800	.315"
70184601417	5 PDBIT0600	6"	152mm	665	.315"
70184601418	2 PDBIT0700	7"	178mm	600	.315"
70184601419	9 PDBIT0800	8"	203mm	500	.315"
70184601706	10 PDBIT1000	10"	254mm	400	.315"
70184601707	7 PDBIT1200	12"	305mm	330	.315"
70184601708	4 PDBIT1400	14"	356mm	285	.315"



#### NORTON CLIPPER 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	2 CGBIT0100	1"	25mm	4,000	.315"
70184682779	9 CGBIT0125	1-1/4"	32mm	3,000	.315"
70184682780	5 CGBIT0150	1-1/2"	38mm	3,000	.315"
70184682781	2 CGBIT0175	1-3/4"	44mm	2,000	.315"
70184682782	9 CGBIT0200	2"	51mm	2,000	.315"
70184682783	6 CGBIT0225	2-1/4"	57mm	1,300	.315"
70184682784	3 CGBIT0250	2-1/2"	64mm	1,300	.315"
70184682785	0 CGBIT0300	3"	76mm	1,300	.315"
70184682786	7 CGBIT0350	3-1/2"	89mm	1,000	.315"
70184682787	4 CGBIT0400	4"	102mm	1,000	.315"
70184682788	1 CGBIT0425	4-1/4"	108mm	800	.315"
70184682789	8 CGBIT0450	4-1/2"	114mm	800	.315"
70184682790	4 CGBIT0500	5"	127mm	800	.315"
70184682791	1 CGBIT0600	6"	152mm	665	.315"
70184682792	8 CGBIT0700	7"	178mm	600	.315"
70184682793	5 CGBIT0800	8"	203mm	500	.315"
70184682794	2 CGBIT1000	10"	254mm	400	.315"
70184682795	9 CGBIT1200	12"	305mm	330	.315"
70184682796	6 CGBIT1400	14"	356mm	285	.315"





## Reinforced Concrete and Harder Building Materials

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



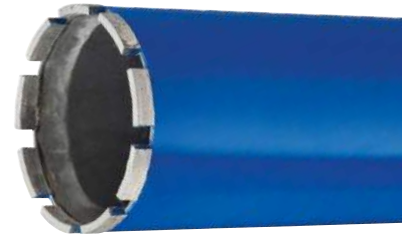
**WET** 

### NORTON CLIPPER 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	5	1"	25mm	4,000	.254"
70184684448	2	1-1/2"	38mm	3,000	.254"
70184682762	1	2"	51mm	2,000	.254"
70184682763	8	2-1/4"	57mm	2,000	.254"
70184682764	5	2-1/2"	64mm	1,300	.254"
70184682765	2	3"	76mm	1,300	.254"
70184682766	9	3-1/2"	89mm	1,300	.254"
70184682767	6	4"	102mm	1,000	.254"
70184682768	3	4-1/4"	108mm	1,000	.254"
70184682769	0	4-1/2"	114mm	800	.254"
70184682770	6	5"	127mm	800	.254"
70184682771	3	6"	152mm	665	.254"
70184682772	0	7"	178mm	600	.254"
70184682773	7	8"	203mm	500	.254"
70184682774	4	10"	254mm	400	.254"
70184682775	1	12"	305mm	330	.254"
70184682776	8	14"	356mm	285	.254"



**WET - PRESTRESSED CONCRETE**



### NORTON CLIPPER 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	9	1"	25mm	4,000	.315"
70184683984	6	1-1/4"	32mm	3,000	.315"
70184683985	3	1-1/2"	38mm	3,000	.315"
70184683986	0	1-3/4"	44mm	2,000	.315"
70184683987	7	2"	51mm	2,000	.315"
70184683988	4	2-1/4"	57mm	1,300	.315"
70184683989	1	2-1/2"	64mm	1,300	.315"
70184683990	7	3"	76mm	1,300	.315"
70184683991	4	3-1/2"	89mm	1,000	.315"
70184683992	1	4"	102mm	1,000	.315"
70184683993	8	4-1/4"	108mm	800	.315"
70184683994	5	4-1/2"	114mm	800	.315"
70184683995	2	5"	127mm	800	.315"
70184683996	9	6"	152mm	665	.315"
70184683997	6	7"	178mm	600	.315"
70184683998	3	8"	203mm	500	.315"
70184683999	0	10"	254mm	400	.315"
70184684000	2	12"	305mm	330	.315"
70184684001	9	14"	356mm	285	.315"

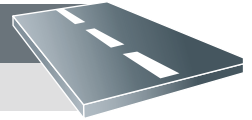






## Asphalt and Abrasive Materials

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



**WET** 

### NORTON CLIPPER 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	8	CGABIT0200	2"	51mm	2,000	.315"
70184684150	4	CGABIT0300	3"	76mm	1,300	.315"
70184684151	1	CGABIT0400	4"	102mm	1,000	.315"
70184684152	8	CGABIT0500	5"	127mm	800	.315"
70184684153	5	CGABIT0600	6"	152mm	665	.315"



## General Purpose and Masonry Building Materials

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



**DRY** 

### NORTON CLIPPER 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	4	CGDBIT0100	1"	25mm	6,000	.276"
70184683301	1	CGDBIT0125	1-1/4"	32mm	6,000	.276"
70184683302	8	CGDBIT0150	1-1/2"	38mm	6,000	.276"
70184683303	5	CGDBIT0175	1-3/4"	44mm	5,000	.276"
70184683304	2	CGDBIT0200	2"	51mm	5,000	.276"
70184683305	9	CGDBIT0250	2-1/2"	64mm	5,000	.276"
70184683306	6	CGDBIT0300	3"	76mm	5,000	.276"
70184683307	3	CGDBIT0350	3-1/2"	89mm	5,000	.276"
70184683308	0	CGDBIT0400	4"	102mm	5,000	.276"
70184683309	7	CGDBIT0450	4-1/2"	114mm	5,000	.276"
70184683310	3	CGDBIT0500	5"	127mm	3,500	.276"
70184683311	0	CGDBIT0600	6"	152mm	2,500	.276"



#### 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.

## 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

## Dust and Silica Warning

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

## For Your Protection



[safety.uama.org](http://safety.uama.org)

### SAFETY GUIDES AND WHEEL WARNING MESSAGES

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



### EYE/FACE PROTECTION

Always wear face protection when using abrasive products.



### SAFETY GLOVES

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



### HEARING PROTECTION

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



### SPEEDS

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



### WHEEL GUARD

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



### FLANGES

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



### RESPIRATORY PROTECTION

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



## WARNING

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

## How Diamond Blades Work

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

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

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

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

## How to Mount Diamond or Abrasive Blades

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

## How to Use Your Masonry Saw for Dry Cutting

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

## How to Use Your Masonry Saw for Wet Cutting

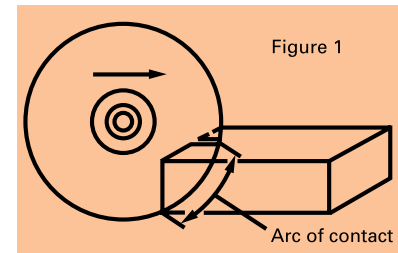
Water may be supplied either by filling the water pan to within 1/2” of top, or for a continuous flow of clean water use a barrel. When using water from barrel, remove water pump from pan and submerge it in water barrel. Remove the drain plug so the used water and sludge will drain from pan.

1. Prepare water supply.
2. Install water curtain on cutting head pivot bar.
3. Be sure the water pump is plugged into the connection on the masonry saw motor. (It will start when the main switch is turned on.)
4. Handle on petcock should be turned in line with the water flow. Start motor and be certain that both sides of the blade are getting an adequate flow of water.
5. At all times make sure that the water level covers the screen on the bottom of the pump. Do not let sludge and dirt get deep enough in the pan to block the pump inlet.
6. Use “Step Cutting” with abrasive blades as previously described.
7. Use “Jam Cutting” or “Step Cutting” with diamond blades as previously described.

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

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

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



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

## 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.



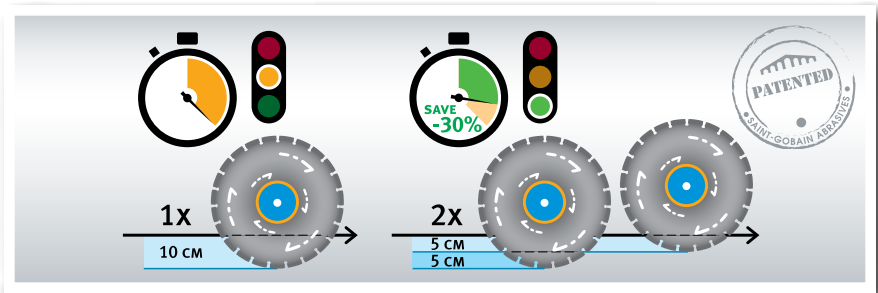
In the early 80's, Norton revolutionized the diamond blade market by developing the process of **laser welding** diamond segments to the steel center. This allowed, for the first time, laser-welded diamond products to cut dry on a very wide range of masonry and construction materials while returning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



# 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.



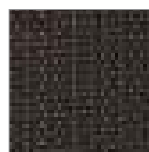
### Kit Contains:



Norton Clipper header (Qty 1)



Shelf (Qty 1)



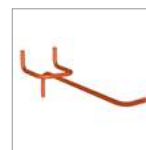
Pegboards (Qty 4)



Display legs (Qty 4)



Double peg hooks for diamond clamshell packages (Qty 15)



Single peg hooks for abrasive products (Qty 20)



Base (Qty 1)

Additional merchandising elements available and can be ordered separately:



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

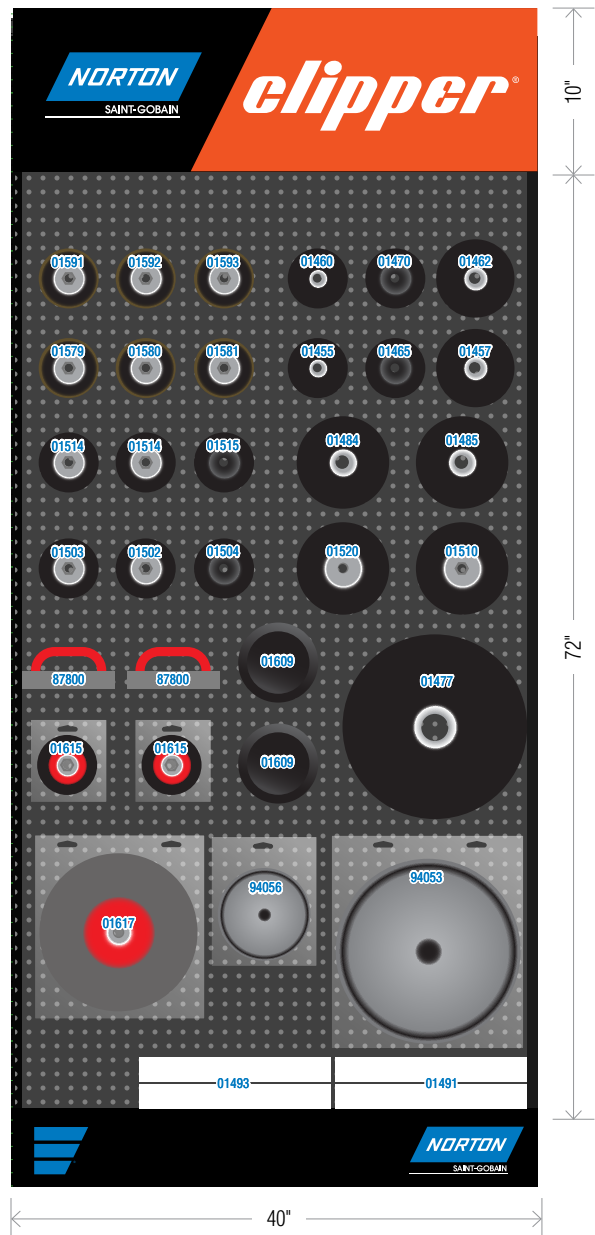


Core Bit Hangers – Effectively display your range of core bits with these simple hangers that can fit a wide range of Norton Clipper core bits

**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	2
61463687800	Rubbing Brick	2



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 .060" 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 .080" 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	2
61463687800	Rubbing Brick	2



## 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.



Kit Contains:



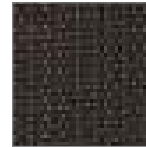
Norton Clipper header (Qty 1)



Clipper header (Qty 2)



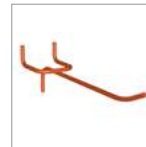
Shelves (Qty 3)



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:

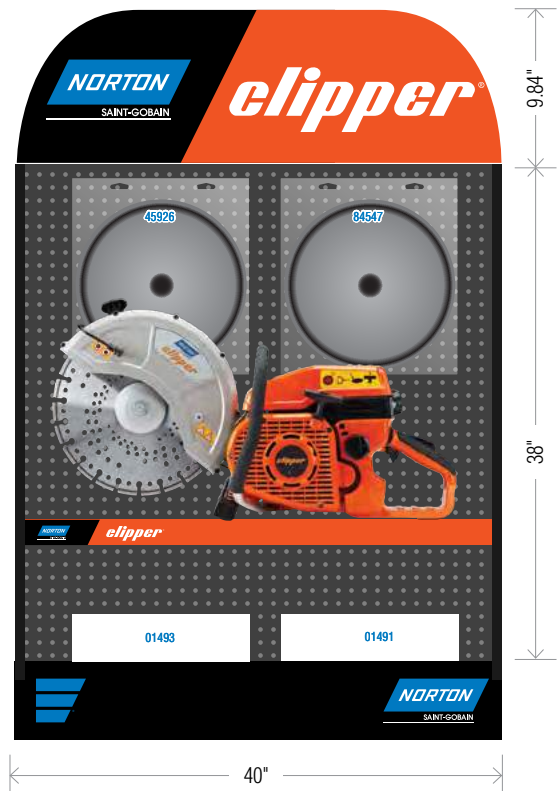


Core Bit Hangers – Effectively display your range of core bits with these simple hangers that can fit a wide range of Norton Clipper core bits

## STARTING RECOMMENDATIONS FOR BEST WALL SETS

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

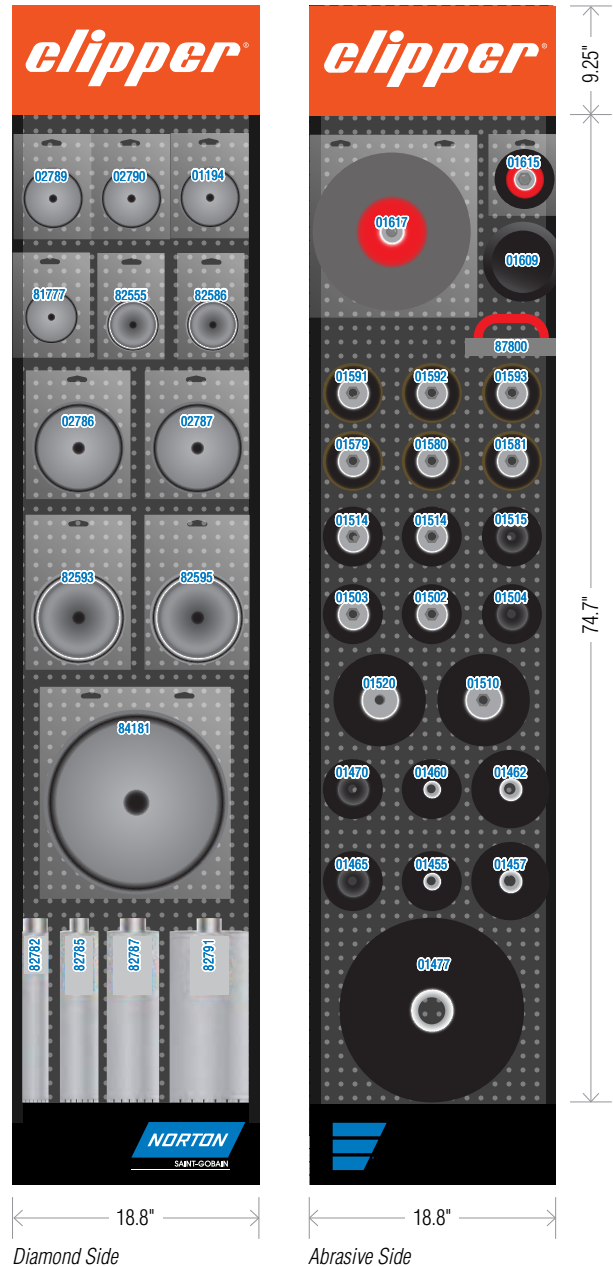


**Diamond Side**

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 .060" 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 .080" 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	2
61463687800	Rubbing Brick	2

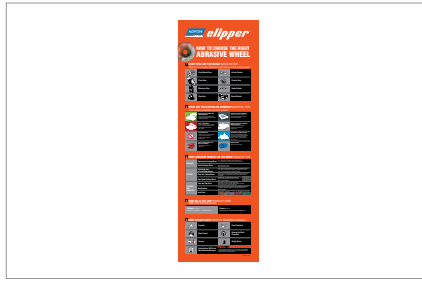


ADDITIONAL SIGNAGE FOR MERCHANDISING KITS



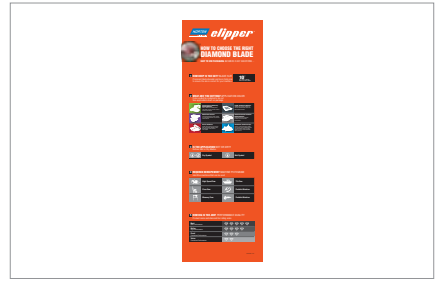
Merchandising Header

For merchandising 4 foot high gondolas where a lighted sign will not fit, use this PSA attachable Norton Clipper header card. Made of heavy corrugated paper with a PVC coating. Size 6" high x 40" wide.



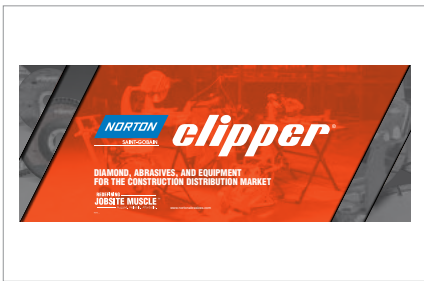
Abrasive Aisle Talker

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.



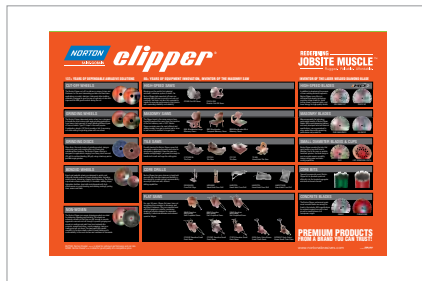
Diamond Blade Aisle Talker

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.



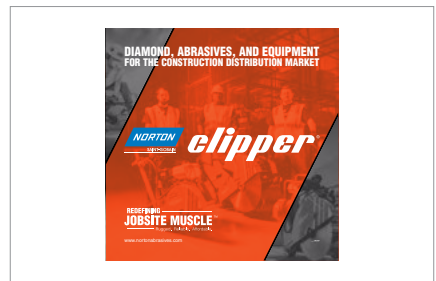
Showroom Banner

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



Counter Mat

Advertise premium Norton Clipper products and reputable history at checkout with this 24" 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.



Floor Decal

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.

Norton Clipper Gondola (Backwall) Merchandiser Display Kit – CODE 0410048416

Kit Includes:

- 1 Norton Clipper Header
- 4 Pegboards
- 1 Norton Clipper shelf
- 1 Base
- 2 Legs
- 20 Single peg hooks
- 15 Double peg hooks

Norton Clipper Free-Standing Merchandiser Display Kit – CODE 510116151

Kit Includes:

- 1 Norton Clipper Header
- 2 Clipper Headers
- 3 Pegboards
- 1 Base
- 3 Norton Clipper shelves
- 20 Single peg hooks
- 15 Double peg hooks

Additional Signage and Accessories:

Norton Clipper Merchandising Header (for 4' tall unit) / UPC 70184601801

Diamond & Abrasive Aisle Talkers / UPC 70184695555 (Mounting hooks included)

Norton Clipper Banner / Form #8650

Norton Clipper Counter Mat / Form #8649

Norton Clipper Floor Decal / Form #8648

Core Bit Hanger / UPC 70184601840

Light Kit / UPC 70184601803

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



**SELF-SELLING PACKAGING – ANSWERS FIVE KEY QUESTIONS**

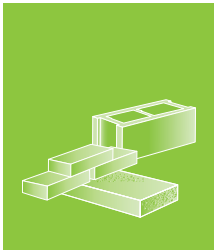
1	2	3	4	5
<p><b>HOW DEEP IS THE CUT?</b> BLADE SIZE</p> <p>Prominent blade diameter and bore (hole) size to ensure the size is correct for your machine.</p>	<p><b>WHAT ARE YOU CUTTING?</b> APPLICATION COLOR</p> <p>Color-coded by material to be cut. See application chart on package.</p>	<p><b>IS THE APPLICATION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



**NORTON**  
SAINT-GOBAIN

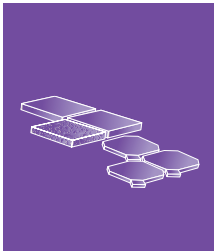
**clipper**®

REDEFINING  
**JOBSITE MUSCLE**™



General Purpose and Masonry Building Materials

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



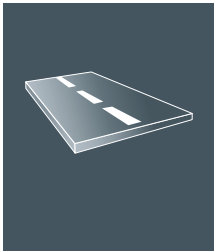
Natural Stone and Tiles

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



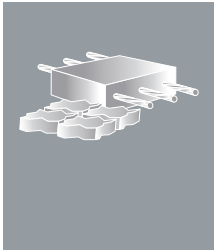
Rescue, Demolition

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



Asphalt and Abrasive Materials

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



Reinforced Concrete and Harder Building Materials

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



General Purpose, All Materials Ductile Iron Pipe

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

youtube.com/NortonAbrasives | nortonabrasives.com

**USA CUSTOMER SERVICE:**

Toll Free Phone: 1 (800) 554-8003  
Toll Free Fax: 1 (800) 443-1092

**CANADA CUSTOMER SERVICE:**

Toll Free Phone: 1 (800) 263-6565  
Toll Free Fax: 1 (800) 561-9490

**FORM #7719** REV. 05/17

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