

**NORTON**

# NORTON ABRASIVES CUT-OFF WHEELS FOR METAL FABRICATION

**The Choice for Every Metal Fabrication and  
Light Construction Cut-Off Application:**

- ▶ Portable Grinder
- ▶ Right Angle Grinder
- ▶ Circular Saw
- ▶ High-Speed Gas/Electric Saw
- ▶ High-Speed Walk-Behind Road Saw
- ▶ Stationary Machine
- ▶ Rail Cut
- ▶ Chop Saw



[www.nortonabrasives.com](http://www.nortonabrasives.com)



# Norton Cut-Off Wheel Line

## The New Norton Cut-off Wheel Blotter

All important information is in the same location on most NorZon Plus, Charger Plus, Gemini and Norton Metal and Masonry cut-off wheels for easy application identification and self-serve shopping.

### Product Identification

Always in the same place:

- Brand logo
- Product name
- Extended description  
i.e. Long Life and Free Cut

### Trilingual Safety Warning

The message will change depending on the intended application of each particular grinding product.

### Product Tier

Left-hand background of blotter identifies performance tier

- **GOLD** – Best
- **SILVER** – Better
- **BLACK** – Good/Economy

### ANSI / UAMA Symbol

It certifies that the grinding wheels you buy have been designed and tested according to the American National Standards Institute safety requirements (ANSI B7.1). UAMA is a voluntary association of grinding wheel manufacturers organized for the promotion of safe and efficient grinding practices.

### Diamond Marking System

A quick reference to performance – higher number of diamonds represents better performance grains with faster cut rate and longer life than those with lower diamond values.

### Application Icons

Show material to be cut or ground. Also can indicate if grinding or cutting wheel is iron-, sulphur-, or chlorine-free with this symbol



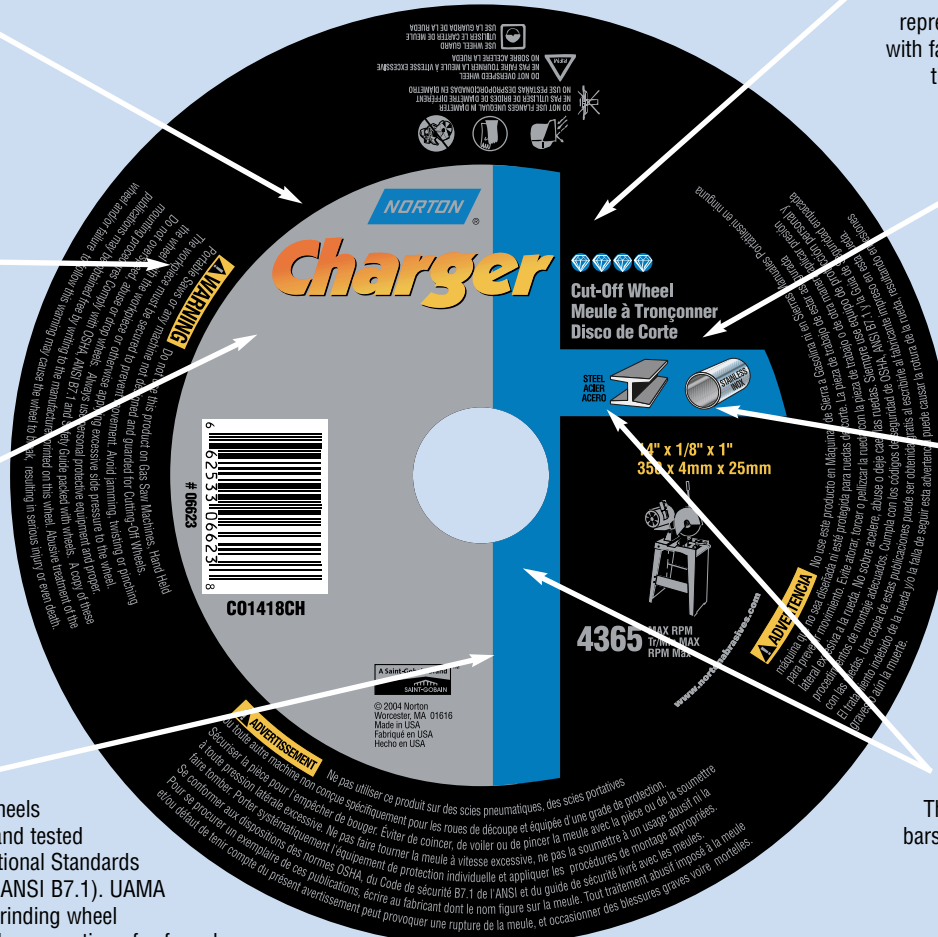
### Wheel Specific Information

- Size – in US and metric
- Bar code
- “Smart” part number
- Max RPM speed
- Country of origin
- Icon indicating proper grinding angle

### Application Color Coding

The horizontal and vertical colored bars indicate the material(s) that this product can grind or cut:

- RED** – steel/metal
- BLUE** – stainless steel
- GREEN** – masonry
- GREY** – aluminum
- YELLOW** – foundry-specific materials



## SPECcheck

### Cut-off Wheel Starting Recommendations by Material

MATERIAL	SMALL ANGLE GRINDERS	RIGHT ANGLE GRINDERS	CIRCULAR SAWS	PORTABLE GAS / ELECTRIC SAWS	WALK BEHIND SAWS	STATIONARY SAWS	CHOP SAWS
Angle/Channel Iron Bar/Sheet Stock	NorZon Plus Gemini Long Life	NorZon Plus RightCut Gemini RightCut	Norton Metal	Norton Metal	—	Charger Gemini Long Life	Charger Long Life Gemini Long Life
Metal Studs/Tubing	—	NorZon Plus RightCut Gemini RightCut	Norton Metal	Norton Metal	—	Gemini Long Life	Norton Steel Stud
Cast Iron/Pipe	Gemini Free Cut	NorZon Plus RightCut Gemini RightCut	Norton Metal	Norton Metal	—	Gemini Free Cut	Gemini Free Cut
Stainless/Alloys	NorZon Plus	NorZon Plus RightCut Charger RightCut	Norton Metal	Norton Metal	—	Charger	Charger Free Cut
Aluminum/Brass/Bronze	Gemini Free Cut	Gemini RightCut	Norton Metal	Norton Metal	—	Gemini Free Cut	Gemini Aluminum
Concrete/Brick/Block Asphalt/Green Concrete	—	—	Norton Masonry	Norton Concrete Norton Asphalt	Norton Concrete Norton Asphalt/ Green Concrete	Norton Masonry	Norton Masonry
Ductile	—	—	—	Norton Ductile	—	—	—
Fiberglass/Plastic Paint/Rust	Gemini Free Cut	Gemini Rightcut	Norton Metal	—	—	Gemini Free Cut	Gemini Free Cut

# Highest Productivity, Great Performance and Value

## Typical Applications

- Cutting sheet metal
- Cutting pipe
- Foundry/forge shops – gate/riser removal, cutting forgings
- Metal plate dimensioning
- Ship building – metal fabrication
- Toolroom – cutting drill bits, steel bar, tubing, metallurgical sectioning
- Construction – concrete/masonry work



## SPECcheck

### Cut-off Wheel Competitive Cross Reference

NORTON	FLEXOVIT	METABO	SAIT	3M	WALTER
<b>FOR SMALL ANGLE OR IN-LINE PORTABLE GRINDERS (2" - 4")</b>					
NorZon Plus	—	—	—	Green Corps	—
Charger	FLEXON	—	SAITECH	—	—
Gemini Free Cut	A36R	Slicer	A24R	—	A60-ZIP
Gemini Long Life	A46T	A 60 TZ	A36T	—	A24-ZIP
<b>FOR RIGHT ANGLE GRINDERS (4" — 9")</b>					
NorZon Plus RightCut	—	—	—	—	—
Charger RightCut	—	—	—	—	—
Gemini RightCut	—	—	SAITECH .045	—	A30-ZIP
<b>FOR CIRCULAR SAWS (6" — 8")</b>					
Norton Metal	A36TB38	A 30 S	—	—	A30-ZIP
Norton Masonry	C30UB64	C 30 S	—	—	C-30
<b>FOR PORTABLE GAS OR ELECTRIC SAWS (12" — 16")</b>					
Norton Metal	A24TB	A 24 N	Brute	—	A24 Portacut
Norton Concrete	AC24SB	C 24 N	C24R	—	C24 Portacut
Norton Ductile	AC24SB	AC 24 R	Ductile	—	—
Norton Asphalt	C16UB	C 16 N	Big M.A.C.	—	—
<b>FOR WALK-BEHIND CONSTRUCTION SAWS (14", 18")</b>					
Norton Asphalt/ Green Concrete	C16UB	C 16 N	C16	—	—
Norton Hot Press Asphalt/Green Concrete	HPC16AG	—	Street Walker	—	—
<b>FOR STATIONARY SAWS (10" — 20")</b>					
Charger Free Cut	—	—	—	—	—
Charger Long Life	—	—	—	—	—
Gemini Free Cut	A30RB	A 30 R	A24N	—	A24-FC RIPCUT
Gemini Long Life	A30SB	A 30 N	A24R	—	A24-RIP
Norton Masonry	C24SB	C 30 S	C24R	—	—
<b>FOR CHOP SAWS (10" — 16")</b>					
Charger Free Cut	—	—	SAITECH Steel Worker	—	—
Charger Long Life	—	—	—	—	—
Gemini Free Cut	A30RB	A 30 R	EZ-CHOP	—	A30 Chopcut II
Gemini Long Life	A30SB	A 30 S	Iron Worker	—	A30-HC Chopcut
Gemini Aluminum	—	—	Aluminum	—	A30-ALU Chopcut
Norton Masonry	C30UB	—	—	—	—
Norton Steel Stud	A30TB	—	Stud King	—	—

## Troubleshooting Guide

PROBLEM	POSSIBLE CAUSES	SUGGESTED CORRECTION
Poor cutting rate	Insufficient power used Wheel too hard Contact area too large Wheel too coarse Wheel side out of truth	Increase feed or pressure to full power Use softer grade, Free Cut or thinner wheel Reduce contact area Use finer grit or Free Cut wheel Check spindle runout
Non-square cuts	Work not clamped properly Misaligned spindle bearings Poor coolant distribution Wheel is too hard	Check clamp and clean to remove swarf Check for bearing truth and alignment Ensure equal volume of coolant to each wheel side Use softer acting wheel: softer grade, or finer grit, or Free Cut
Workpiece burn	Insufficient feed rate Poor coolant flow Wheel is too coarse Wheel is too hard Wheel is running out Wheel speed is too slow	Work machine to maximum power available Increase volume and direct at cutting point Use finer grit or Free Cut wheel or more machine power Use softer grade, thinner, or Free Cut wheel Check spindle and flanges Ensure tight flanges and observe maximum speed on wheel
Poor finish	Too much burr Wheel too coarse	Use finer grit, or softer grade, or Free Cut wheel Use finer grit or Free Cut wheel





## Small Diameter Reinforced Cut-off Wheels (1-1/2" – 6")

<b>BEST</b> NorZon Plus Reinforced Cut-off Wheels – Fastest initial cut rate	
FEATURES	BENEFITS
<ul style="list-style-type: none"> <li>Patented Norton SG (ceramic alumina) / NorZon (zirconia alumina) grain combination</li> <li>Highly advanced bond system</li> <li>State-of-the-art manufacturing</li> <li>NORZON Plus</li> <li>NORZON Plus Long Life</li> </ul>	<ul style="list-style-type: none"> <li>Fastest initial cut of any wheel; highest productivity</li> <li>Free, cool cut</li> <li>Superior wheel balance</li> <li>Up to 3X life over aluminum oxide wheels on carbon steel, stainless and cast iron</li> <li>40% faster cut rate over standard aluminum oxide wheels</li> <li>Up to 5X life on harder metals and exotic metals</li> </ul>



<b>BETTER</b> Charger Reinforced Cut-off Wheels – Versatile; ideal for stainless steel	
FEATURES	BENEFITS
<ul style="list-style-type: none"> <li>A unique blend of premium NorZon (zirconia alumina) and aluminum oxide</li> </ul>	<ul style="list-style-type: none"> <li>2X the life of aluminum oxide wheels</li> <li>Free cutting</li> <li>Effectively cuts a variety of metals from alloys and stainless to gray iron</li> <li>Long life and economical performance to price ratio lower total cost</li> <li>Superior product at a value price</li> </ul>



<b>BETTER</b> Small Diameter Engineered Reinforced Cut-off Wheels – Precise, thin cuts	
FEATURES	BENEFITS
<b>ALUMINUM OXIDE — OBNA2 WHEELS</b> <ul style="list-style-type: none"> <li>Side reinforced, resin bond</li> </ul>	<ul style="list-style-type: none"> <li>Yield maximum cut rate and minimum kerf loss; ideal when thin cut is desired</li> </ul>
<b>ALUMINUM OXIDE — B25N WHEELS</b> <ul style="list-style-type: none"> <li>Constructed with full diameter side reinforcing; resin bond</li> </ul>	<ul style="list-style-type: none"> <li>Versatile: durable, free cutting; offer greatest stiffness</li> </ul>



<b>GOOD</b> Gemini Reinforced Cut-off Wheels – All purpose wheels, competitively priced	
FEATURES	BENEFITS
<ul style="list-style-type: none"> <li>Advanced formulation</li> <li>Gemini Free Cut wheels</li> <li>Gemini Long Life wheels</li> </ul>	<ul style="list-style-type: none"> <li>Free cutting</li> <li>Maximizes the performance of conventional aluminum oxide abrasive</li> <li>Engineered to cut hard materials</li> <li>Excellent life and cut rate</li> </ul>



## Drill Mount Mandrel for 2" – 3" Cut-off Wheels

This mandrel is used to safely mount 2" – 3" diameter cut-off wheels with 3/8" arbor holes on to a drill.

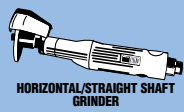


STD PKG	SPEC.	UPC NO.
5	DRILL-MOUNT MANDREL FOR 2" AND 3" 3/8" HOLE CUT-OFF WHEELS	07660747769

Cut-off Wheel Part Number Key				
<b>EXAMPLE: CO 4 18 38 G FC</b>				
WHEEL TYPE	DIAMETER	THICKNESS	HUB/HOLE SIZE	PRODUCT GROUP
CO = CUT-OFF	4 = 4"	18 = 1/8"	38 = 3/8"	G = GEMINI
				MODIFIER
				FC = FREE CUT, LL = LONG LIFE

STEEL/METAL
STAINLESS
ALUMINUM
MASONRY

# Highest Productivity, Great Performance and Value

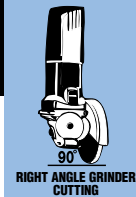


SIZE: D X T X H	MAX RPM	STD PKG	BEST NORZON PLUS		BETTER		GOOD GEMINI, NORTON METAL	
			SPEC/PART NO.	UPC NO.	SPEC/PART NO.	UPC NO.	PART NO.	UPC NO.
<b>TYPE 01 FLAT CUT-OFF – STEEL / STAINLESS</b>								
1-1/2 X .035 X 1/16	40,745	25			A60-OBNA2	66243427764		
1-1/2 X .035 X 1/8	40,745	25			A60-OBNA2	66243427831		
1-1/2 X .035 X 1/4	40,745	25			A60-OBNA2	66243427875		
1-1/2 X .060 X 1/8	40,745	25			A60-OBNA2	66243427876		
2 X .035 X 1/8	30,560	25			A60-OBNA2	66243428020	CO203518G	66243411392
2 X .035 X 1/4	30,560	25			A60-OBNA2	66243428014	CO203514G	66243411393
2 X .035 X 3/8	30,560	25					CO203538G	66243411394
2 X .060 X 1/8	30,560	25			A60-OBNA2	66243428041		
2 X .060 X 1/4	30,560	25			A60-OBNA2	66243427993		
2 X 1/16 X 1/4	30,560	25					CO211614G	66243411395
2 X 1/16 X 3/8	30,560	25					CO211638G	66243411396
2 X 1/8 X 1/4	30,560	25					CO21814G	66243411402
2 X 1/8 X 3/8	30,560	25					CO21838G	66243411403
2-1/2 X .035 X 1/8	30,560	25			A60-OBNA2	66243528476		
2-1/2 X .035 X 1/4	30,560	25			A60-OBNA2	66243528425		
2-1/2 X 1/16 X 1/4	30,560	25					CO2511614G	66243510640
2-1/2 X 1/16 X 3/8	30,560	25			57A701-TB25N	66243522372	CO2511638G	66243510641
3 X .035 X 1/4	25,465	25	CO303514NZP	66243510668	A60-OBNA2	66243528573	CO303514GFC CO303514GLL	66243510627 66243537270
3 X .035 X 3/8	25,465	25	CO303538NZP	66243510669	23A601-QBNA2 A60-OBNA2 CO3035CH	66243528629 66243528574 66243527753	CO303538GFC CO303538GLL	66243510628 66243537271
3 X .060 X 1/4	25,465	25			A60-OBNA2	66243528471		
3 X .060 X 3/8	25,465	25			A60-OBNA2	66243528552		
3 X 1/16 X 1/4	25,465	25	CO311614NZP CO311614NZPLL	66243510670 66243510834	57A364-TB25N 57A601-TB25N	66243522395 66243522398	CO311614GFC CO311614GLL	66243510645 66243510649
3 X 1/16 X 3/8	25,465	25 25 25 25 50	CO311638NZP CO311638NZPLL  Z36-TB50N	66243510671 66243510835  66243528812	57A364-TB25N 57A601-TB25N U57A364-VB25N CO3116CH	66243522399 66243522401 66243528674 66243527755	CO311638GFC CO311638GLL	66243510647 66243510648
3 X 1/16 X 3/8 CONTRACTOR 5 PACK	25,465	25*					METAL FREE CUT	07660747767
3 X 1/8 X 1/4	25,465	25					CO31814GFC CO31814GLL	66243510650 66243510652
3 X 1/8 X 3/8	25,465	25	CO31838NZP	66243510673			CO31838GFC CO31838GLL	66243510651 66243510653
4 X .035 X 1/4	19,100	25	CO403514NZP	66243510674	A60-OBNA2	66243529606	CO403514GFC CO403514GLL	66243510629 66243537272
4 X .035 X 3/8	19,100	25	CO403538NZP	66243510675	A60-OBNA2 CO4035CH	66243529621 66243527340	CO403538GFC CO403538GLL	66243510630 66243537273
4 X .035 X 1/2	19,100	25			A60-OBNA2	66243529622		
4 X .035 X 3/4	19,100	25			A60-OBNA2	66243529609		
4 X .040 X 3/8	19,100	25			A60-OBNA2	66243529516		
4 X .060 X 3/8	19,100	25			A60-OBNA2	66243529604		
4 X 1/16 X 1/4	19,100	25	CO411614NZP	66243510676			CO411614GFC	66243510654
4 X 1/16 X 3/8	19,100	25 25 25 50	CO411638NZP CO411638NZPLL	66243510677 66243510839	57A364-TB25N CO4116CH U57A364-VB25N U57A364-TB65N	66243522500 66243527338 66243529594 66243517454	CO411638GFC CO411638GLL	66243510655 66243510657
4 X 1/16 X 1/2	19,100	25			57A364-TB25N	66243522502		
4 X 1/8 X 1/4	19,100	25					CO41814GFC	66243510658
4 X 1/8 X 3/8	19,100	25	CO41838NZP CO41838NZPLL	66243510841 66243510680	57A364-TB25N CO418CH	66243522505 66243527339	CO41838GFC CO41838GLL	66243510659 66243510661
5 X .035 X 3/8	12,225	25			A60-OBNA2	66252830653		
6 X .035 X 3/8	10,190	25			A60-OBNA2	66252835064		

\*5 WHEELS PER CONTRACTOR PACK, 5 CONTRACTOR PACKS PER STANDARD PACKAGE



# Norton Cut-Off Wheel Line



## Right Angle Grinder Reinforced Cut-off Wheels – Type 01 (4" – 7") and Type 27 (4" – 9")

<b>BEST</b> NorZon Plus RightCut Right Angle Grinder Reinforced Cut-off Wheels	
<b>FEATURES</b>	<b>BENEFITS</b>
<ul style="list-style-type: none"> <li>• High performance, proprietary ceramic and zirconia alumina abrasives blend</li> <li>• Extra thin</li> </ul>	<ul style="list-style-type: none"> <li>• Up to 10 times the life of competitive aluminum oxide wheels</li> <li>• Far fewer wheel changes required so job is completed faster</li> <li>• Maximum productivity; lowest total grinding costs</li> <li>• Quick cutting action; minimal low kerf loss</li> </ul>



<b>BEST</b> NorZon ThinCut Right Angle Grinder Reinforced Cut-off Wheels	
<b>FEATURES</b>	<b>BENEFITS</b>
<ul style="list-style-type: none"> <li>• Premium abrasive and bond</li> <li>• Unique reinforcement design</li> <li>• Extra thin</li> <li>• Rough sides</li> </ul>	<ul style="list-style-type: none"> <li>• Maximum productivity</li> <li>• Provides safety, strength and straight cuts</li> <li>• Quick cutting action and low kerf loss</li> </ul>



<b>BETTER</b> FabCut Right Angle Grinder Reinforced Cut-off Wheels	
<b>FEATURES</b>	<b>BENEFITS</b>
<ul style="list-style-type: none"> <li>• Quality aluminum oxide abrasive in a high performance bond system</li> <li>• Unique reinforcement design</li> <li>• Extra thin</li> </ul>	<ul style="list-style-type: none"> <li>• Over 28% better cut rate than standard aluminum oxide</li> <li>• Provides safety, strength and straight cuts</li> <li>• Quick cutting action and low kerf loss</li> </ul>



<b>BETTER</b> Charger RightCut Right Angle Grinder Reinforced Cut-off Wheels	
<b>FEATURES</b>	<b>BENEFITS</b>
<ul style="list-style-type: none"> <li>• Durable zirconia alumina abrasive</li> <li>• Unique reinforcement design</li> <li>• Extra thin</li> </ul>	<ul style="list-style-type: none"> <li>• 3X the life and 2X the cut rate of standard aluminum oxide wheels</li> <li>• Excels on a broad range of materials, from alloys and stainless to gray iron</li> <li>• Provides safety, strength and straight cuts</li> <li>• Quick cutting action and low kerf loss</li> </ul>



<b>GOOD</b> Gemini RightCut Right Angle Grinder Reinforced Cut-off Wheels	
<b>FEATURES</b>	<b>BENEFITS</b>
<ul style="list-style-type: none"> <li>• Quality aluminum oxide grain</li> <li>• Unique reinforcement design</li> <li>• Extra thin</li> <li>• .045 RightCut Type 27 has new iron-, sulfur-, and chlorine-free bond and new hubbed wheels</li> </ul>	<ul style="list-style-type: none"> <li>• Consistent performance at a competitive price</li> <li>• Ideal for small jobs on a variety of metal applications from carbon to stainless steels</li> <li>• Provides safety, strength and straight cuts</li> <li>• Quick cutting action and low kerf loss</li> <li>• Boosted performance: 25% longer life and faster cut rate</li> <li>• Ideal for nuclear industry</li> </ul>



## safetyTIPS

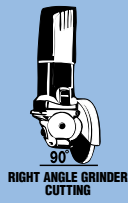
- Contact your machine vendor for proper flanges and guards when using Type 01 wheels on right angle grinders.
- Use Type 01 when proper cut-off guard and equal size flanges are available.
- Use Type 27 with standard back flange and nut tool configuration.



It is the user's responsibility to refer to and comply with ANSI B7.1



# Highest Productivity, Great Performance and Value

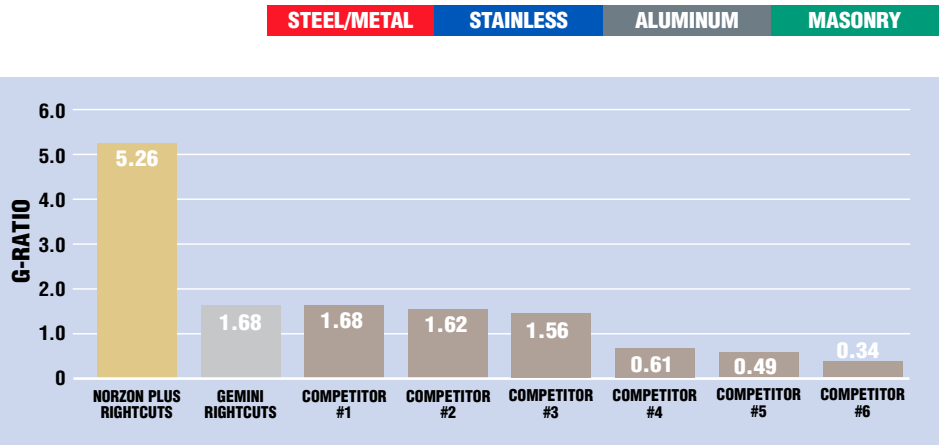


SIZE: D X T X H	MAX RPM	STD PKG	BEST NORZON		BETTER		GOOD GEMINI, NORTON METAL	
			SPEC/PART NO.	UPC NO.	SPEC/PART NO.	UPC NO.	PART NO.	UPC NO.
<b>TYPE 01 FLAT CUT-OFF – STEEL / STAINLESS</b>								
4 X .035 X 5/8	19,100	25			A60-OBNA2	66253529590		
4 X .040 X 5/8	15,280	25					CO404M	07660701616
4 X .045 X 5/8	15,280	25					RC4G	66243527956
4 X 1/16 X 5/8	19,100	100			FABCUT ALL PURP.	66243527827		
					FABCUT LONG LIFE	66243527826		
4 X 3/32 X 5/8	15,280	25					RC4332G	66243527955
4-1/2 X .040 X 7/8	13,580	25					CO4504M	07660701617
4-1/2 X .045 X 7/8	13,580	25	RC45N2P	66252830730	RC45CH	66252826569	RC45G	66252823602
4-1/2 X 3/32 X 7/8	13,580	25					RC45332G	66252823599
5 X .040 X 7/8	12,225	25					CO504M	07660701618
5 X .045 X 7/8	12,225	25	RC5N2P	66252830731	RC5CH	66252826570	RC5G	66252823603
5 X .050 X 7/8	12,225	25	THIN CUT	66252809829				
5 X 3/32 X 7/8	12,225	25					RC5332G	66252823600
6 X .040 X 7/8	10,185	25					CO604M	07660702757
6 X .045 X 7/8	10,185	25	RC6N2P	66252830734	RC6CH	66252826571	RC6G	66252823604
6 X 3/32 X 7/8	10,185	25					RC6332G	66252823601
7 X 1/16 X 7/8	8,730	25	THIN CUT	66252900652	57A364-TB25N	66252922675	RC7G	66252832323

SIZE: D X T X H	MAX RPM	STD PKG	BEST NORZON PLUS		BETTER CHARGER		GOOD GEMINI, NORTON METAL	
			SPEC/PART NO.	UPC NO.	SPEC/PART NO.	UPC NO.	PART NO.	UPC NO.
<b>TYPE 27 DEPRESSED CENTER CUT-OFF – STEEL / STAINLESS</b>								
4 X .045 X 5/8	15,280	25					DC4045M	07660705249
4-1/2 X .045 X 5/8-11	13,580	20	RC45HN2P27	66252830748	RC45HCH27	66252832009	RC45HG27	66252819549
4-1/2 X .045 X 7/8	13,580	20	RC45N2P27	66252830742	RC45CH27	66252830125	RC45G27	66252819548
		25					DC45045M	07660705250
5 X .045 X 5/8-11	12,225	20					RC5HG27	66252830586
5 X .045 X 7/8	12,225	20	RC5N2P27	66252830744	RC5CH27	66252830126	RC5G27	66252819550
6 X .045 X 5/8-11	10,185	20					RC6HG27	66252830587
6 X .045 X 7/8	10,185	20	RC6N2P27	66252830745	RC6CH27	66252830127	RC6G27	66252819551
7 X 1/16 X 7/8	8,600	20					RC7G27	66252912626
		10					DC7116M	07660705251
9 X 1/16 X 5/8-11	6,600	10					RC9HG	66253019115

## SPECcheck

4-1/2" x .045" x 7/8" Type 01 Wheels  
Cutting Angle Iron – Carbon Steel



STEEL/METAL    STAINLESS    ALUMINUM    MASONRY





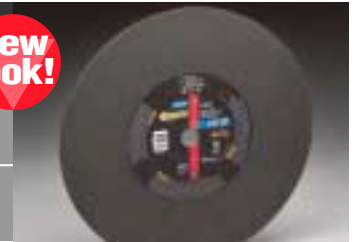
## Large Diameter Reinforced Cut-off Wheels for Stationary Saws (10" – 24")

<b>BETTER</b> Large Diameter Stationary Reinforced Cut-off Wheels	
FEATURES	BENEFITS
<b>23A</b>	
• Aluminum oxide abrasive, D sides	• Engineered for fast cut and long life on a variety of applications
<b>U57A</b>	
• Aluminum oxide abrasive, centrally reinforced rough sides	• Engineered for fast cut and long life on a variety of applications
<b>57A – B25N WHEELS</b>	
• Constructed with full diameter side reinforcing, resin bond	• Versatile; durable, free cutting; offer greatest stiffness
<b>CHARGER</b>	
• A blend of premium zirconia alumina and aluminum oxide	• Outperforms standard aluminum oxide up to 3X in life
• High performance bond system	• Over 25% better cut rate than standard aluminum oxide wheels



<b>GOOD</b> Large Diameter Stationary Reinforced Cut-off Wheels	
FEATURES	BENEFITS
<b>GEMINI</b>	
• Quality aluminum oxide abrasive	• Sets the aluminum oxide industry standard for cutting all material in metal fabrication applications
<b>NORTON MASONRY</b>	
• Sharp silicon carbide grain	• Engineered for all masonry materials

**new look!**



SIZE: D X T X H	MAX RPM	STD PKG	BETTER		GOOD GEMINI, MASONRY	
			SPEC/PART NO.*	UPC NO.	SPEC/PART NO.	UPC NO.
<b>TYPE 01 FLAT CUT-OFF – STEEL/STAINLESS/MASONRY</b>						
10 X 1/16 X 5/8	6,110	25	57A461-TB25N	66253122817		
10 X 3/32 X 5/8	6,110	10	C010332CH	66253106108	C010332GFC	66253106101
		10			C010332GLL	66253106102
		10			C010332MA	07660789391
		25			57A364-TB25N	66253122823
10 X 1/8 X 5/8	6,110	25	57A244-TB25N	66253122826		
12 X 3/32 X 1	5,095	10	23A364-RB25B	66253261999		
12 X 1/8 X 1	5,095	10	C01218CH	66253207550	C01218GFC	66253207547
					C01218GLL	66253207548
14 X 1/8 X 1	4,365	10	C01418CH	66253306623	C01418GFC	66253306609
					C01418GLL	66253306611
16 X 1/8 X 1	3,820	10	U57A304-TB25B	66253464694		
16 X 5/32 X 1	3,820	10	U57A304-TB65B	66253464576	C016532GFC	66253410183
			C016532CH	66253410194	C016532GLL	66253410184
18 X 5/32 X 1	3,015	10			C018532G	66253410185
20 X 5/32 X 1	2,710	5	C020532CHF	69078609045	C020532GFC	69078609031
		5	C020532CHLL	69078609046	C020532GLL	69078609032
		10	U57A244-TB25B	69078666948		
20 X 3/16 X 1	2,710	5			C020316GFC	69078609033
					C020316GLL	69078609034
24 X 3/16 X 1-3/4	2,260	10	U57244-RB25B	69083166319		

**STEEL/METAL**  
**STAINLESS**  
**ALUMINUM**  
**MASONRY**

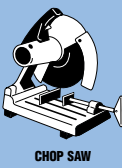
NOTE: "N" INDICATES SIDE REINFORCED, "B" INDICATES INTERNALLY REINFORCED.

## TECHtips

- Run the cut-off machine at the highest possible speed marked on the wheel.
- Long Life wheels should be used on a cut-off machine with 1 horsepower for every inch of wheel diameter. With a less powerful machine, we recommend starting with a Free Cut specification.

**!** It is the user's responsibility to refer to and comply with ANSI B7.1





## Chop Saw Reinforced Cut-off Wheels (10" – 16")

<b>BETTER</b> Charger Chop Saw Reinforced Cut-off Wheels	
FEATURES	BENEFITS
• Zirconia alumina/aluminum oxide abrasive blend	• 2X the life and cut rate of aluminum oxide
• High performance resin bond	• Free-cutting; burn-free cut
• Free Cut – side reinforced	• Engineered for larger cross-sections and/or hard-to-cut materials
• Long Life – side reinforced	• Resist breakage and provide straight cuts
• Rapid Cut – centrally reinforced, rough sides	• Ideal for small cross-section workpieces
	• Resist breakage and provide straight cuts
	• Free cutting, non-binding; burr- and burn-free cuts



<b>GOOD</b> Gemini Chop Saw Reinforced Cut-off Wheels	
FEATURES	BENEFITS
• Free Cut – side reinforced	• Engineered for larger cross-sections and/or hard-to-cut materials
• Long Life – side reinforced	• Resist breakage and provide straight cuts
• Rapid Cut – centrally reinforced, rough sides	• Ideal for small cross-section workpieces
• Aluminum – specially formulated bond for aluminum and other soft, non-ferrous metals; no wax or rubber fillers	• Resist breakage and provide straight cuts
	• Free cutting, non-binding; burr- and burn-free cuts
	• Free cutting; resists loading
	• No surface contamination

**new look!**



<b>GOOD</b> Norton Metal, Masonry and Steel Stud Cutter Chop Saw Reinforced Wheels	
FEATURES	BENEFITS
• Stud Cutter: thin, side-reinforced; aluminum oxide abrasive	• Designed specifically for cutting steel studs
• Norton Masonry: sharp, silicon carbide grain	• Engineered for all masonry materials such as concrete, brick and asphalt
• Norton Metal: quality aluminum oxide abrasive	• Designed for cutting alloys, steels and ferrous metals

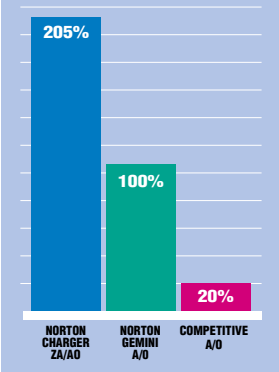


SIZE: D X T X H	MAX RPM	STD PKG	BETTER CHARGER		GOOD GEMINI, METAL, MASONRY	
			SPEC/PART NO.	UPC NO.	SPEC/PART NO.	UPC NO.
<b>TYPE 01 FLAT CUT-OFF – STEEL / STAINLESS / MASONRY</b>						
10 X 7/64 X 1	6,110	10			CO10764G	66253106109
12 X 7/64 X 1	5,095	10	CO12764CH	66253207552	CO12764G CO12764GRC	66253207554 66253214561*
14 X 7/64 X 1	4,365	10 10 10 10 5 5	CO14764CHFC CO14764CHLL CO14764CHRC	66253306624 66253306625 66253309614*	CO14764GFC CO14764GLL CO14764GRC CO14764GALU CO14764MSS CO14764M CO14764MA	66253306627 66253306626 66253313588* 66253314816 07660789405 07660703970 07660789402
16 X 7/64 X 1	3,820	10	CO16764FC CO16764LL	66253410196 66253410197	CO16764G	66253410198

\* RAPIDCUTS ARE CENTRALLY REINFORCED; ALL OTHERS ARE SIDE REINFORCED

### Relative Wheel Life

Test done with 14 X 7/64 X 1 chopsaw



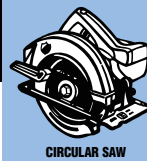
## TECHtips

- Use Long Life chop saw wheels on small cross section workpieces.
- Use Free Cut chop saw wheels on larger cross-sections and/or hard-to-cut materials.



It is the user's responsibility to refer to and comply with ANSI B7.1





## Circular Saw Reinforced Cut-off Wheels (6" – 8")

<b>BETTER Metal Circular Saw Reinforced Cut-off Wheels – Provide precise, thin cuts</b>	
<i>FEATURES</i>	<i>BENEFITS</i>
<b>ALUMINUM OXIDE 57A – B25N WHEELS</b> • Constructed with full diameter side reinforcing, resin bond	• Versatile; durable, free cutting: offer greatest stiffness
<b>ALUMINUM OXIDE – OBNA2 WHEELS</b> • Side reinforced, resin bond	• Yield maximum cut rate and minimum kerf loss; ideal when thin cut is desired
<b>CHARGER LONG LIFE</b> • Blend of premium zirconia alumina and aluminum oxide abrasives, rough sides	• Outperforms standard aluminum oxide up to 3X in life

<b>GOOD Masonry and Metal Circular Saw Reinforced Cut-off Wheels</b>	
<i>FEATURES</i>	<i>BENEFITS</i>
• Versatile	• Ideal for slotting and cutting when initial cost is a main consideration
<b>GEMINI ALL PURPOSE</b> • Quality aluminum oxide abrasive, rough sides	• Sets the aluminum oxide industry standard for cutting all material in metal fabrication applications
<b>NORTON MASONRY</b> • Sharp, silicon carbide grain	• Engineered for all masonry materials such as concrete, brick and asphalt
<b>NORTON METAL</b> • Quality aluminum oxide abrasive	• Designed for cutting alloys, steels and ferrous metals



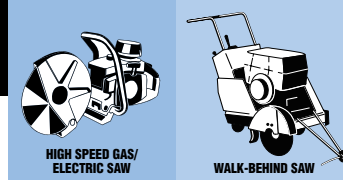
<i>SIZE: D X T X H</i>	<i>MAX RPM</i>	<i>STD PKG</i>	<b>BETTER</b>		<b>GOOD GEMINI, NORTON METAL, MASONRY</b>	
			<i>SPEC/PART NO.</i>	<i>UPC NO.</i>	<i>SPEC/PART NO.</i>	<i>UPC NO.</i>
<b>TYPE 01 FLAT CUT-OFF – STEEL / STAINLESS / MASONRY</b>						
6 X .035 X 5/8	10,185	25	A60-OBNA2	66252835054	C06035G	66252809714
6 X 1/16 X 5/8	10,185	25	57A364-TB25N	66252822973	C06116G	66252809718
6 X 1/8 X 5/8	10,190	25	57A244-TB25N	66252822992		
6-1/2 X 1/8 X DM*	9,405	10			C06518M C06518MA	07660789098 07660789089
7 X .035 X 5/8	8,730	25	A60-OBNA2	66252938787		
7 X .060 X 5/8	8,730	25	A60-OBNA2	66252938811		
7 X 1/16 X 5/8	8,730	25	57A364-TB25N	66252922673	C0716G	66252905957
7 X 3/32 X 5/8	8,730	25	57A244-TB25N	66252922688		
7 X 1/8 X DM*	8,730	25			C0718M C0718MA	07660789097 07660789088
8 X .035 X 5/8	7,640	25	A60-OBNA2	66253042979		
8 X .060 X 5/8	7,640	25	A60-OBNA2	66253042981		
8 X 1/16 X 5/8	7,640	25 25 10	57A364-TB25N CHARGER LL	66253022703 66253017771	C08116G	66253007025
8 X 3/32 X 5/8	7,640	25	57A244-TB25N	66253022710	GEMINI ALL PURP.	66253017795
8 X 1/8 X 5/8	7,640	25	57A364-TB25N	66253022712		
8 X 1/8 X DM*	7,640	10			C0818M C0818MA	07660789096 07660789086

\* DM DENOTES DIAMOND MOUNT; 5/8" HOLE BUSHINGS INCLUDED

<b>Cut-off Wheel Part Number Key</b>					
<b>EXAMPLE: CO 4 18 38 G FC</b>					
<i>WHEEL TYPE</i>	<i>DIAMETER</i>	<i>THICKNESS</i>	<i>HUB/HOLE SIZE</i>	<i>PRODUCT GROUP</i>	<i>MODIFIER</i>
CO = CUT-OFF	4 = 4"	18 = 1/8"	38 = 3/8"	G = GEMINI	FC = FREE CUT, LL = LONG LIFE

<b>STEEL/METAL</b>
<b>STAINLESS</b>
<b>ALUMINUM</b>
<b>MASONRY</b>

# Highest Productivity, Great Performance and Value



## High-Speed Reinforced Cut-off Wheels for Gas, Electric-Powered and Walk-Behind Road Saws (12" – 18")

GOOD High-Speed Reinforced Cut-off Wheels	
SPECIFICATION / APPLICATION	ABRASIVE TYPE
• Metalworking	• Versatile aluminum oxide
• Ductile	• Durable silicon carbide and aluminum oxide blend
• Concrete	• Sharp 24 grit silicon carbide
• Asphalt	• Coarse 16 grit silicon carbide
• Asphalt/green concrete	• Cold pressed silicon carbide blend
• For higher performance on asphalt/green concrete	• Hot pressed silicon carbide blend

**expanded offering!**

GOOD High-Speed Metal Decking Reinforced Cut-off Wheels	
FEATURES	BENEFITS
• Thicker blades	• Longer life
	• Designed specifically to cut metal decking quickly

**new!**

GOOD High-Speed Rescue Reinforced Cut-off Wheels	
FEATURES	BENEFITS
• Thicker blades	• For ventilation, forcible entry, rescue and demolition on steels, aluminum, PVC and masonry materials

**new!**

SIZE D X T X H	MAX RPM	STD PKG	GOOD METAL, DUCTILE, CONCRETE, ASPHALT							
			METAL PART NO.	UPC NO.	DUCTILE PART NO.	UPC NO.	ASPHALT PART NO.	UPC NO.	CONCRETE PART NO.	UPC NO.
<b>TYPE 01 CUT-OFF – FOR GAS &amp; ELECTRIC-POWERED SAWS – STEEL/CONCRETE/ASPHALT</b>										
12 X 1/8 X 20 MM	6,360	10	HSM1220	70184680310	HSD1220	70184680314	YPAHA1253220	70184670243	HSC1220	70184680312
12 X 1/8 X 1	6,360	10	HSM1201	70184680311	HSD1201	70184680315	YPAHA12532	70184670083	HSC1201	70184680313
14 X 1/8 X 20 MM	5,400	10	HSM1420 HSM1420 DECKING HSRES1420 RESCUE	70184680317 66243578260 66243578263	HSD1420	70184680321	YPAHA1420	70184671456	HSC1420	70184680319
14 X 1/8 X 1	5,400	10	HSM1401 HSM1401 DECKING HSRES1401 RESCUE	70184680318 66252832521 66243578262	HSD1401	70184680322	YPAHA14	70184672877	HSC1401	70184680320
16 X 1/8 X 20 MM	4,800	10	HSM1620	66252830885					HSC1620	70184625269
16 X 1/8 X 1	4,800	10	HSM1601	66252830886					HSC1601	70184623029

SIZE D X T X H	MAX RPM	STD PKG	GOOD ASPHALT, ASPHALT/GREEN CONCRETE, CONCRETE					
			ASPHALT PART NO.	UPC NO.	ASPHALT/GREEN CONCRETE PART NO.	UPC NO.	CONCRETE PART NO.	UPC NO.
<b>TYPE 01 CUT-OFF – FOR WALK-BEHIND SAWS – CONCRETE/ASPHALT</b>								
14 X 3/16 X 1 PIN HOLE	4,365	10	ASP14316	70184680324	YHP14316	70184670100*	CON14316	70184680323
14 X 1/4 X 1 PIN HOLE	4,365	5	YPASA1414	70184670535	YHP1414	70184670099*	YPASC1414	70184670533
18 X 1/4 X 1 PIN HOLE	4,250	5			YHP1814	70184670103*	YPASC1814	70184670098
18 X 3/8 X 1 PIN HOLE	4,250	5			YHP1838	70184648998*		

\* THESE ASPHALT/GREEN CONCRETE WHEELS ARE HOT-PRESSED FOR ADDED STRENGTH

**TECHtip** Use Ductile for ultra-hard metals, hydraulic hose and PVC pipe.



# Highest Productivity, Great Performance and Value

## Rail Reinforced Cut-off Wheels (14", 16" Side Reinforced, R Sides)



GAS/ELECTRIC SAW

### BETTER NorZon III RailCut and NorZon III Rail FastCut Reinforced Cut-off Wheels

#### FEATURES

- NorZon III RailCut and NorZon III Rail FastCut

#### BENEFITS

- Ideal for high powered, well-maintained machines
- Maximum number of cuts per wheel
- Fastest cutting times
- Highest value on the cost per cut basis



### GOOD A24 RailCut and Rail FastCut Reinforced Cut-off Wheels

#### FEATURES

- A24-RailCut and Rail FastCut

#### BENEFITS

- The choice for light-duty applications and older machines with less horsepower
- Work under a wide range of operating conditions
- Maintain cutting throughout the life of the wheel
- Smooth, easy cutting action



SIZE: D X T X H	MAX RPM	STD PKG	BETTER NORZON III		GOOD A24	
			SPEC	UPC NO.	SPEC	UPC NO.
<b>TYPE 01 FLAT CUT-OFF</b>						
14 X 1/8 X 1	5,400	10	NORZON III RAILCUT NORZON III RAIL FASTCUT	66253360493 66253363694	A24-RAILCUT	66253363693
16 X 1/8 X 1	4,800	10	NORZON III RAILCUT NORZON III RAIL FASTCUT	66253464607 66253464415	A24-RAIL FASTCUT	66253411892
16 X 5/32 X 1	4,800	10			A36-T RAILCUT	66253466357

FOR FIXED RAIL TRACK CUTTING ONLY.

To put Norton abrasives to work, contact your local Norton distributor. Call (800) 446-1119 or email us at [buynorton@nortonabrasives.com](mailto:buynorton@nortonabrasives.com) and we will put you in contact with your local Norton distributor. Or, visit our website at [www.nortonabrasives.com](http://www.nortonabrasives.com) to view our online catalog and learn about our latest products and applications, and find a local Norton distributor.



### YOUR SOURCE FOR COST-SAVING ABRASIVE SOLUTIONS™

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Stephenville, TX 76401-3799  
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Fax: (254) 918-2314

#### CUSTOMER SERVICE CANADA:

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PO Box 3008, 3 Beach Road  
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**FORM #8025**

