





NORZON PLUS

Charger

Gemini



CATEGORY DEFINITION

The Norton small diameter cut-off wheel line consists of Type 01 straight and Type 27 depressed center cut-off wheels from 1-1/2" to 9" diameters. These wheels come in ultra thin .035 for quick burn/burr free cutting to .125" for more durable applications. All are reinforced for the demanding nature of portable cut-off.

- APPLICATIONS: Cutting sheet metal, cutting pipe, and metal plate dimensioning (metal fabrication)
- SIZE RANGE: 1-1/2" - 9" diameter
- THICKNESS RANGE: .035, .040, .045, .060, .090, and .125
- ABRASIVE GRAIN: Ceramic Alumina/Zirconia Alumina, Zirconia Alumina/Aluminum Oxide, Aluminum Oxide, Silicon Carbide
- SHAPE: Type 01 Straight and Type 27 Depressed Center

TYPE-TO-APPLICATION RECOMMENDATION GUIDE

WHEEL TYPE/THICKNESS	APPLICATIONS		
TYPE 01	Type 1 cut-off wheels are designed for traditional cut-off applications. All are supplied with full fiberglass reinforcing.		
.035, .040, .045, .060	Where fast cutting and low kerf loss are desired	■	■
.090, .125	For tough cutting and notching applications where stability is important	■	■
TYPE 27	Type 27 cut-off wheels are designed with a depressed center to provide a recess for the hub, which allows flush cutting		
.040, .045, .060	Where fast cutting and low kerf loss are desired		■
.090, .125	For tough cutting and notching applications where stability is important		■

HOW TO PICK THE RIGHT BOND TYPE

All Purpose	<i>Unmarked</i>	Where an excellent blend of cut rate and life is needed
Fast Cut	FC	Where fast stock removal is needed, or the application only allows for low-pressure or under-horsepowered grinders
Long Life	LL	Where durability is needed due to severe application, and when horsepower of the grinder allows for heavy pressure
Contaminate Free	INOX	Contain <0.1% iron, sulfur or chlorine for rust-free and corrosion-free results; will not contaminate stainless steel
Aluminum	ALU	Specially formulated bond for reduced loading/surface contamination cutting aluminum/soft materials

MATERIAL-TO-PRODUCT RECOMMENDATION GUIDE

	BEST HIGHEST PRODUCTIVITY LOWEST TOTAL COST	BETTER EXCELLENT BLEND OF PERFORMANCE & PRICE	GOOD CONSISTENT PERFORMANCE LOW INITIAL PRICE
CUTTING			
Mild Carbon / High Tensile Steel	NorZon Plus	Charger	Metal
Stainless Steel / Alloys	NorZon Plus	Charger	Gemini
Contaminate Free		Charger INOX	Gemini INOX
Cast Iron	NorZon Plus	Charger	Gemini
Aluminum / Bronze / Brass			Gemini ALU
Asphalt / Brick / Concrete			Masonry



CROSS REFERENCE GUIDES

TYPE 01 .035 - .125 CUT-OFF WHEELS FOR DIE GRINDERS

	TOTAL PERFORMANCE			INITIAL PRICE		SPECIALTY	
	BEST NorZon Plus	BETTER Charger	GOOD Gemini Fast Cut	Gemini	Metal	GOOD Gemini INOX	
NORTON							
Brilliant	—	Brill-Max ZA	—	—	Safe-Tex FC, LL	—	
Bullard	—	ZA46T, ZA60T	TA36T	TA46T, TA60T	A36T, A60T Comp.	—	
Camel	—	ZA60-TBF	A36 RBF	A60 RBF	Fast Cut RBF	—	
Flexovit	Flexon Fast Cut A46, 60	—	High Perf Fast Grind A36	High Perf Fast Cut A36, 46, 60	—	—	
Pearl	—	SRT, Zirconia	—	Premium	Silver Line	—	
Pferd	—	—	—	—	PSF-A	SG-A-R-INOX	
Sait	Saittech	—	A60S	A24R, A36T, A60T	—	—	
SpedeCut	—	—	—	—	A46, 60 TBXX	—	
Walter	—	—	A24 ZIP	A60 ZIP	—	—	

TYPE 01 AND 27 .040 - .125 CUT-OFF WHEELS FOR RIGHT ANGLE GRINDERS

	TOTAL PERFORMANCE				INITIAL PRICE			SPECIALTY		
	BEST NorZon Plus Fast Cut	NorZon Plus	BETTER Charger Fast Cut	Charger	GOOD Gemini Fast Cut	Gemini	Metal	GOOD Gemini ALU	Gemini INOX	Masonry
NORTON										
Brilliant	—	—	—	—	Brill-Blade Extra FC	Brill-Blade Heavy Duty	Hornet Stinger	—	—	—
Bullard	—	—	—	ZA60T	SGA60U	TA46T, TA60T, TA60U	A46T, A60T Comp.	AL46N	—	C24R
Camel	—	—	—	ZA Quickie Cut	A36-S-BF	Super Quickie Cut	Quickie Cut	A46 Quickie Cut	A60-T-BF, WA60R Quickie Cut	—
Flexovit	—	—	—	—	Razorblade A60SST	Razorblade A24T, 30V, 36T	—	Razorblade A30Q	—	C30U
Metabo	—	—	—	A 60 XP Super Slicer	—	A 60 TX Slicer-Plus	A 60 TZ Slicer	—	—	—
Pearl	—	—	—	Redline Max Slimcut	—	Slimcut	Slimcut Pro-V, Silverline	—	—	—
Pferd	—	—	—	SGP-ZA-Q-INOX	—	SG-A-S, SGP-A-T	PSF-A-P	S-G-N-ALU	SG-A-R-INOX, SGP-A-S-INOX	SG-C-R
Sait	—	Saittech	—	Z-tech	SAIT.M.X	A60S	—	A46N	XA46R	—
SpedeCut	—	—	—	—	—	—	A46, 60 TBXX	—	—	—
Walter	—	—	—	—	A-30-ZIP	A-60-ZIP	—	A-60-ZIP-ALU	A60-SS-ZIP	C-30-ZIP

FEATURED PRODUCTS



NORZON PLUS CUT-OFF / RIGHTCUT

BEST CHOICE FOR HIGHEST PRODUCTIVITY FOR STEEL, STAINLESS STEEL AND ALL OTHER FERROUS METALS

FEATURES

- Patented Norton SG (ceramic alumina) / NorZon (zirconia alumina) grain combination
- Highly advanced bond system

BENEFITS

- Fastest cutting wheel available on the market, up to 3X faster cutting versus aluminum oxide
- 3X – 10X life versus aluminum oxide wheels on carbon steel, stainless and cast iron



CHARGER CUT-OFF / RIGHTCUT

BETTER CHOICE FOR ALL STEEL AND STAINLESS STEEL APPLICATIONS

FEATURES

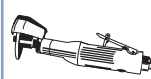
- A unique blend of premium NorZon (zirconia alumina) and aluminum oxide grain

BENEFITS

- 2X – 3X the life of aluminum oxide wheels
- Up to 2X faster cutting versus aluminum oxide wheels

SMALL DIAMETER REINFORCED CUT-OFF WHEELS

MACHINES USED



AVAILABILITY

TIER:
TRADENAME:

BEST	BETTER	BETTER	GOOD	GOOD	GOOD
NORZON PLUS	CHARGER	A60-OBNA2	GEMINI	GEMINI LONG LIFE	NORTON METAL

SHAPE:
ABRASIVE:

Type 01	Type 01	Type 01	Type 01	Type 01	Type 01
Ceramic Alumina/ Zirconia Alumina	Zirconia Alumina/ Aluminum Oxide	Aluminum Oxide	Aluminum Oxide	Aluminum Oxide	Aluminum Oxide

MATERIAL:

STAINLESS STEEL / METAL	STAINLESS STEEL / METAL	STAINLESS STEEL / METAL	STAINLESS STEEL / METAL	STAINLESS STEEL / METAL	STAINLESS STEEL / METAL
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SIZE
(D X T X H)

MAX.
RPM

STD.
PKG.

PART NO.

PART NO.

PART NO.

PART NO.

PART NO.

PART NO.

TYPE 01 – CUT-OFF

SIZE (D X T X H)	MAX. RPM	STD. PKG.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
1-1/2 x .035 x 1/16	40,745	25			66243427764			
1-1/2 x .035 x 1/8	40,745	25			66243427831			
1-1/2 x .035 x 1/4	40,745	25			66243427875			
2 x .035 x 1/8	30,560	25				66243411392	FC	
2 x .035 x 1/4	30,560	25			66243428014		66243411393	FC
2 x .035 x 3/8	30,560	25					66243411394	FC
2 x .060 x 1/8	30,560	25			66243428041			
2 x .060 x 1/4	30,560	25			66243427993			
2 x .060 x 1/4	30,560	25				66243411395	FC	
2 x .060 x 3/8	30,560	25				66243411396	FC	
2 x .125 x 1/4	30,560	25				66243411402	FC	
2 x .125 x 3/8	30,560	25				66243411403	FC	
2-1/2 x .035 x 1/8	30,560	25			66243528476			
2-1/2 x .035 x 1/4	30,560	25			66243528425			
2-1/2 x .060 x 1/4	30,560	25				66243510640	FC	
2-1/2 x .060 x 3/8	30,560	25				66243510641	FC	
2-7/8 x .035 x 1/4	25,465	25						07660789019
3 x .035 x 1/4	25,465	25	66243510668		66243528573	66243510627	FC	
3 x .035 x 3/8	25,465	25	66243510669	66243527753	66243528574	66243510628	FC	66243537271 LL 07660789451
3 x .060 x 1/4	25,465	25	66243510670		66243528471	66243510645	FC	66243510649 LL
3 x .060 x 3/8	25,465	25	66243510671	66243527755	66243528552	66243510647	FC	66243510648 LL 07660789012
		25	66243510835	LL				
3 x .125 x 1/4	25,465	25				66243510650	FC	66243510652 LL
3 x .125 x 3/8	25,465	25	66243510673			66243510651	FC	66243510653 LL 07660789384
4 x .035 x 1/4	19,100	25			66243529606	66243510629	FC	
4 x .035 x 3/8	19,100	25	66243510675	66243527340	66243529621	66243510630	FC	66243537273 LL
4 x .035 x 1/2	19,100	25			66243529622			
4 x .035 x 5/8	15,280	25			66243529590			
4 x .035 x 3/4	19,100	25			66243529609			
4 x .040 x 5/8	15,280	25						07660701616
4 x .045 x 5/8	15,280	25				66243527956		
4 x .060 x 1/4	19,100	25	66243510676			66243510654	FC	
4 x .060 x 3/8	19,100	25	66243510677	66243527338	66243529604	66243510655	FC	66243510657 LL
4 x .090 x 5/8	15,280	25				66243527955		
4 x .125 x 1/4	19,100	25				66243510658	FC	
4 x .125 x 3/8	19,100	25	66243510841	66243527339		66243510659	FC	66243510661 LL
		25	66243510680	LL				
5 x .035 x 3/8	12,225	25			66252830653			
6 x .035 x 3/8	10,185	25			66252835064			
6 x .035 x 1/2	10,185	25			66252835053			
6 x .035 x 5/8	10,185	25			66252835054	66252809714		
6 x .040 x 3/8	12,225	25						66252840608
6 x .060 x 5/8	10,185	25				66252809718		
7 x .060 x 5/8	8,730	25				66252905957		
8 x .060 x 5/8	7,640	25		66253017771	LL	66253007025		
		10				66253017795		
Drill Mount Mandrel		5						07660747769*

* FOR MOUNTING 2" AND 3" x 3/8" HOLE CUT-OFF WHEELS ON TO A DRILL

CUT-OFF DESCRIPTION CODES

INOX = CONTAMINANT FREE	FC = FAST CUT	LL = LONG LIFE	BLANK = ALL PURPOSE
■ = STAINLESS	■ = STEEL / METAL	■ = MASONRY	



AVAILABILITY



TIER:
TRADENAME:

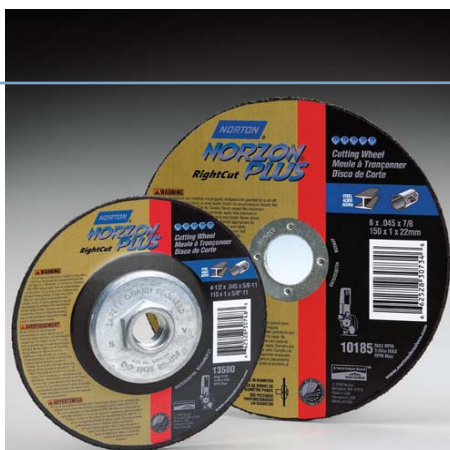
SHAPE:
ABRASIVE:

MATERIAL:

SIZE (D X T X H)	MAX. RPM	STD. PKG.	BEST NORZON PLUS RIGHTCUT	BETTER CHARGER RIGHTCUT	GOOD GEMINI RIGHTCUT	GOOD NORTON METAL RIGHTCUT
			Type 01 Ceramic Alumina/ Zirconia Alumina	Type 01 Zirconia Alumina/ Aluminum Oxide	Type 01 Aluminum Oxide	Type 01 Aluminum Oxide
			STAINLESS STEEL / METAL PART NO.	STAINLESS STEEL / METAL PART NO.	STAINLESS STEEL / METAL PART NO.	STAINLESS STEEL / METAL PART NO.
TYPE 01 – RIGHTCUT CUT-OFF						
4 x .040 x 5/8	15,280	25				07660701616
4 x .045 x 5/8	15,280	25			66243527956	
4 x .090 x 5/8	15,280	25			66243527955	
4-1/2 x .040 x 7/8	13,580	25		66252837011		66252840001
4-1/2 x .045 x 7/8	13,580	25	66252830730	66252826569	66252823602	
		25			66252832906	
4-1/2 x .090 x 7/8	13,580	25			66252823599	
5 x .040 x 7/8	12,225	25		66252837012		
		15				07660701618
5 x .045 x 7/8	12,225	25	66252830731	66252826570	66252823603	
		25			66252832907	
5 x .090 x 7/8	12,225	25			66252823600	
6 x .040 x 3/8	12,225	25				66252840608
6 x .040 x 7/8	10,185	25				07660702757
6 x .045 x 7/8	10,185	25	66252830734	66252826571	66252823604	
		25			66252832908	
6 x .090 x 7/8	10,185	25			66252823601	
7 x .060 x 7/8	8,600	25	66252900652		66252832323	07660704732

Norton Type 01 & 27 RightCut Line – 4" - 9"

Norton RightCut wheels provide lowest total cost versus competitive initial cutting solutions for right angle grinders. Available in 4" through 9" diameters in Type 01 straight and Type 27 depressed center shapes.



BEST NorZon Plus RightCut

Highest Productivity, Lowest Total Cost

Advanced grain technology – a blend of Norton SG® (seeded gel) ceramic alumina and NorZon zirconia alumina abrasives – in the fastest cutting bond system. Across all grinding jobs, testing shows performance up to 100% better than competitive high-performance wheels and up to 10 times better than aluminum oxide wheels.



BETTER Charger RightCut

Exceptional Blend of Performance and Price

Zirconia alumina and aluminum oxide combination provides up to 2X cut rate and up to 3X longer life over conventional aluminum oxide products on stainless and carbon steel.



GOOD Gemini RightCut

Good Performance, Wide Variety and Good Initial Price

Engineered blend of high-performance aluminum oxide provides the best starting specification on a wide variety of sizes and thicknesses at a good initial price.



GOOD Norton Metal RightCut

Good Performance, Low Initial Price

Popular aluminum oxide starting specification where good performance at a low price is the primary consideration.



AVAILABILITY



TIER:	BEST	BETTER	GOOD	GOOD
TRADENAME:	NORZON PLUS RIGHTCUT	CHARGER PLUS RIGHTCUT	GEMINI RIGHTCUT	NORTON METAL RIGHTCUT
SHAPE:	Type 27	Type 27	Type 27	Type 27
ABRASIVE:	Ceramic Alumina/ Zirconia Alumina	Zirconia Alumina/ Aluminum Oxide	Aluminum Oxide	Aluminum Oxide
MATERIAL:	STAINLESS STEEL / METAL	STAINLESS STEEL / METAL	STAINLESS STEEL / METAL	STAINLESS STEEL / METAL

SIZE (D X T X H)	MAX. RPM	STD. PKG.	PART NO.	PART NO.	PART NO.	PART NO.
TYPE 27 – RIGHTCUT CUT-OFF						
4 x .045 x 5/8	15,280	20			66252833840	07660705249
4 x .125 x 3/8	15,280	20	66243529883			
4-1/2 x .040 x 5/8-11	13,580	20		66252837013		
4-1/2 x .045 x 5/8-11	13,580	20	66252830748	66252832009	66252819549	
4-1/2 x .045 x 7/8	13,580	20	66252830742	66252830125	66252819548	66252836497
4-1/2 x .090 x 5/8-11	13,580	20			66252823102	INOX
4-1/2 x .090 x 7/8	13,580	20			66252835320	
		20			66252823103	INOX
4-1/2 x .125 x 5/8-11	13,580	20	66252815010		66252813301	
4-1/2 x .125 x 7/8	13,580	20	66252830443		66252801860	
5 x .040 x 5/8-11	12,225	20		66252837014		
5 x .045 x 5/8-11	12,225	20			66252830586	
5 x .045 x 7/8	12,225	20	66252830744	66252830126	66252819550	
5 x .090 x 7/8	12,225	20			66252823106	INOX
		20			66252836984	LL
5 x .125 x 7/8	12,225	20			66252801862	
6 x .045 x 5/8-11	10,185	20			66252830587	
6 x .045 x 7/8	10,185	20	66252830745	66252830127	66252819551	66252840486
6 x .090 x 7/8	10,185	20			66252832487	INOX
7 x .060 x 7/8	8,600	20			66252912626	
		10				07660705251
7 x .090 x 7/8	8,600	20			66252914638	INOX
7 x .125 x 5/8-11	8,600	10	66252912625			
7 x .125 x 7/8	8,600	20			66252900619	
9 x .060 x 5/8-11	6,600	10			66253019115	

RIGHTCUT WHEELS ARE TO BE USED FOR CUTTING ONLY



TIER:	BETTER	GOOD	GOOD	GOOD
TRADENAME:	CHARGER	GEMINI	NORTON METAL	NORTON MASONRY
SHAPE:	Type 01	Type 01	Type 01	Type 01
ABRASIVE:	Zirconia Alumina/ Aluminum Oxide	Aluminum Oxide	Aluminum Oxide	Silicon Carbide
MATERIAL:	STEEL / METAL	STEEL / METAL	STEEL / METAL	MASONRY

SIZE (D X T X H)	MAX. RPM	STD. PKG.	PART NO.	PART NO.	PART NO.	PART NO.
TYPE 01 – CIRCULAR SAW						
6 x .035 x 5/8	10,185	25		66252809714		
6 x .060 x 5/8	10,185	25		66252809718		
6-1/2 x 1/8 x DM-5/8	9,405	10			07660789098	07660789089
7 x .060 x 5/8	8,730	25		66252905957		
7 x 1/8 x DM-5/8	8,730	25			07660789097	07660789088
8 x .060 x 5/8	7,640	25	66253017771 LL	66253007025		
		10		66253017795		
8 x 1/8 x DM-5/8	7,640	10			07660789096	07660789086

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

CUT-OFF DESCRIPTION CODES

INOX = CONTAMINANT FREE	FC = FAST CUT	LL = LONG LIFE	BLANK = ALL PURPOSE
■ = STAINLESS	■ = STEEL / METAL	■ = MASONRY	