



### CATEGORY DEFINITION

The Norton small diameter cut-off wheel line consists of Type 01, Type 01/41 straight and Type 27/42 depressed center cut-off wheels from 1-1/2" to 9" diameters. These wheels come in ultra thin .035 for quick burn-free and burr-free cutting to .125" for more durable applications. All are reinforced for the demanding nature of portable cut-off.

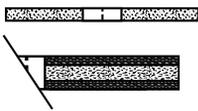
<b>APPLICATIONS:</b>	Cutting sheet metal, cutting pipe, and metal plate dimensioning (metal fabrication)
<b>SIZE RANGE:</b>	1-1/2" - 9" diameter
<b>THICKNESS RANGE:</b>	.035, .040, .045, .060, .090, and .125
<b>ABRASIVE GRAIN:</b>	Ceramic Alumina/Zirconia Alumina, Zirconia Alumina/Aluminum Oxide, Aluminum Oxide, Silicon Carbide, Diamond
<b>SHAPE:</b>	Type 01, Type 01/41 Straight and Type 27/42 Depressed Center



### TYPE-TO-APPLICATION RECOMMENDATION GUIDE

#### WHEEL TYPE/THICKNESS APPLICATIONS

##### TYPE 01



**Type 01 straight cut-off wheels are designed for traditional cut-off applications. All are supplied with full fiberglass reinforcing.**



.035, .040, 1/16

Where fast cutting and low kerf loss are desired



.125

For tough cutting and notching applications where stability is important



##### TYPE 01/41 RIGHT CUT



**Type 01/41 straight cut-off wheels are designed for use on right angle grinder cut-off applications. All are supplied with full fiberglass reinforcing.**



90° ANGLE

.035, .040, .045, .050, 1/16

Where fast cutting and low kerf loss are desired

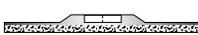


3/32

For tough cutting and notching applications where stability is important



##### TYPE 27/42 RIGHT CUT



**Type 27/42 cut-off wheels are designed for use on right angle grinder cut-off applications. Their depressed center shape provides a recess for the hub, which allows flush cutting. All are supplied with full fiberglass reinforcing.**



90° ANGLE

.040, .045, 1/16

Where fast cutting and low kerf loss are desired



3/32, .125

For tough cutting and notching applications where stability is important



### HOW TO PICK THE RIGHT BOND TYPE

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



### MATERIAL-TO-PRODUCT RECOMMENDATION GUIDE

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

### CROSS REFERENCE GUIDES

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

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

#### TYPE 01/41 AND TYPE 27/42 .035 - .125 CUT-OFF WHEELS FOR RIGHT ANGLE GRINDERS

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



## FEATURED PRODUCTS



### NORTON NORZON PLUS CUT-OFF / RIGHTCUT

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

#### FEATURES

- Norton SG (ceramic alumina) / NorZon (zirconia alumina) grain combination
- Highly-advanced bond system
- RightCut right angle grinder wheels

#### 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
- Noticeably longer life and faster cut rate
- Less pressure required for first cut



### NORTON BLUEFIRE CUT-OFF / RIGHTCUT

BETTER CHOICE FOR STAINLESS STEEL, CARBON STEEL, ALLOYS AND GRAY IRON

#### FEATURES

- A blend of R&D advanced chemistry and shaped zirconia alumina abrasive and premium aluminum oxide grain
- RightCut right angle grinder wheels

#### BENEFITS

- 2-3 times the life of aluminum oxide wheels
- Broad utility from light-to heavy-pressure applications
- Excellent performance-to-price ratio for lower total grinding costs
- Noticeably longer life and faster cut rate
- Less pressure required for first cut



### NORTON GEMINI CUT-OFF / RIGHTCUT

GOOD, VERSATILE CHOICE FOR STEEL AND FERROUS METALS

#### FEATURES

- Quality, versatile aluminum oxide
- Gemini Contaminate-Free **INOX/SS**
- .045 ultra-thin Gemini RightCut right angle grinder Type 01/41 straight and T27/42 depressed center cut-off wheels

#### BENEFITS

- Consistent performance at a competitive price
- Contain <0.1% iron, sulfur or chlorine for rust-free and corrosion-free results; will not contaminate stainless steel
- Precise cutting; more stability and a narrower pass
- Up to 70% longer life and 20% faster cut rate than standard aluminum oxide wheels – for substantial savings
- Require less pressure, providing increased operator comfort



### NORTON METAL CUT-OFF / RIGHTCUT

GOOD CHOICE FOR GRINDING ALLOYS, METALS, STEELS, AND FERROUS METALS

#### FEATURES

- Quality aluminum oxide
- Low initial cost per wheel

#### BENEFITS

- Consistent performance at a competitive price
- Ideal for on-site and small-unit jobs



### NORTON DIALAST DIAMOND CUT-OFF

BEST FOR PIPE, TUBING, CAST IRON, CARBON AND MILD STEEL AND CERAMIC APPLICATIONS

#### FEATURES

- A combination of high-quality diamond and advanced brazed single-layer bonding technology
- Environmentally friendly grinding

#### BENEFITS

- Extra-long life vs. conventional abrasives or other vacuum-brazed diamond tools
- Retains the diamond grains and wheel shape for full life with low spark, while keeping a continuous grinding depth
- Less blade changes reduce downtime and labor costs
- Generate minimal dust



## AVAILABILITY

TIER:	BEST	BETTER	BETTER	GOOD	GOOD	GOOD
TRADENAME:	<b>NORTON NORZON PLUS</b>	<b>NORTON BLUEFIRE</b>	<b>NORTON A60-0BNA2</b>	<b>NORTON GEMINI</b>	<b>NORTON GEMINI LONG LIFE</b>	<b>NORTON METAL</b>
SHAPE:	Type 01					
ABRASIVE:	Ceramic Alumina/ Zirconia Alumina	Zirconia Alumina/ Aluminum Oxide	Aluminum Oxide	Aluminum Oxide	Aluminum Oxide	Aluminum Oxide
MATERIAL:	<b>STAINLESS</b> <b>STEEL/METAL</b>	<b>STAINLESS</b> <b>STEEL/METAL</b>	<b>STAINLESS</b> <b>STEEL/METAL</b>	<b>STAINLESS</b> <b>STEEL/METAL</b>	<b>STAINLESS</b> <b>STEEL/METAL</b>	<b>STAINLESS</b> <b>STEEL/METAL</b>

SIZE (D x T x H)	MAX. RPM	STD. PKG.	PART #	PART #	PART #	PART #	PART #	PART #	
<b>.035", .040", .060", 1/16" and .125" Type 01 – Cut-off</b>									
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	<b>FC</b>		
2 x .035 x 1/4	30,560	25			66243428014	66243411393	<b>FC</b>		
2 x .035 x 3/8	30,560	25				66243411394	<b>FC</b>		
2 x .060 x 1/8	30,560	25			66243428041				
2 x 1/16 x 1/4	30,560	25			66243427993	66243411395	<b>FC</b>		
2 x 1/16 x 3/8	30,560	25				66243411396	<b>FC</b>		
2 x .125 x 1/4	30,560	25				66243411402	<b>FC</b>		
2 x .125 x 3/8	30,560	25				66243411403	<b>FC</b>		
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 1/16 x 1/4	30,560	25				66243510640	<b>FC</b>		
2-1/2 x 1/16 x 3/8	30,560	25				66243510641	<b>FC</b>		
3 x .035 x 1/4	25,465	25	66243510668		66243528573	66243510627	<b>FC</b>		
	25,465	25*	66243531753	<i>5-Pk</i>					
3 x .035 x 3/8	25,465	25	66243510669	66252843174	66243528574	66243510628	<b>FC</b>	66243537271	<b>LL</b>
	25,465	25*	66243534828	<i>5-Pk</i>	66243534821	<i>5-Pk</i>			
3 x 1/16 x 1/4	25,465	25	66243510670		66243528471	66243510645	<b>FC</b>	66243510649	<b>LL</b>
3 x 1/16 x 3/8	25,465	25	66243510671	66252843175	66243528552	66243510647	<b>FC</b>	66243510648	<b>LL</b>
	25,465	25	66243510835	<b>LL</b>					
	25,465	25*							07660747767
	25,465	100							07660789012
	25,465	1							66252843624
									<i>5-Pk with Mandrel</i>
3 x .125 x 1/4	25,465	25				66243510650	<b>FC</b>	66243510652	<b>LL</b>
3 x .125 x 3/8	25,465	25	66243510673			66243510651	<b>FC</b>	66243510653	<b>LL</b>
4 x .035 x 1/4	15,300	25			66243529606				07660789384
	19,100	25				66243510629	<b>FC</b>		
4 x .035 x 3/8	19,100	25	66243510675	66252843173	66243529621	66243510630	<b>FC</b>	66243537273	<b>LL</b>
	19,100	250							07660789453
									66252836496
4 x .035 x 1/2	19,100	25			66243529622				
4 x .035 x 3/4	19,100	25			66243529609				
4 x .040 x 3/8	19,100	25			66243529516				
4 x 1/16 x 1/4	19,100	25	66243510676			66243510654	<b>FC</b>		
4 x 1/16 x 3/8	19,100	25	66243510677	66252843171		66243510655	<b>FC</b>	66243510657	<b>LL</b>
4 x 1/16 x 5/8	19,100	100			66243527827				66252843848
					FabTech				
					66243527826				
					FabTech	<b>LL</b>			
4 x .125 x 1/4	19,100	25				66243510658	<b>FC</b>		
4 x .125 x 3/8	19,100	25	66243510841	66252843172		66243510659	<b>FC</b>	66243510661	<b>LL</b>
	19,100	25	66243510680	<b>LL</b>					
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			
Drill Mount Mandrel		5							07660747769+

+ FOR MOUNTING 2" AND 3" X 3/8" HOLE CUT-OFF WHEELS ON TO A DRILL  
 \* 5-WHEEL JOB PACKS; WHEELS ARE PACKED 5 WHEELS/PACK, WITH 5 JOB PACKS/CARTON. ORDER PER EACH WHEEL IN STANDARD PACKAGE QUANTITIES OF 25. ORDER IN MULTIPLES OF 25.  
 • BULK PACKED 250/CARTON; 5 INNER BOXES OF 50 WHEELS EACH. ORDER IN MULTIPLES OF 250 WHEELS.

WHEEL DESCRIPTION CODES			
<b>BLANK</b> = ALL PURPOSE	<b>FC</b> = FREE CUT	<b>INOX/SS</b> = CONTAMINANT FREE	<b>LL</b> = LONG LIFE
<b>■</b> = MASONRY	<b>■</b> = STAINLESS	<b>■</b> = STEEL / METAL	



## AVAILABILITY



TIER:	<b>BEST</b>	<b>BEST</b>	<b>BETTER</b>	<b>GOOD</b>	<b>GOOD</b>
TRADENAME:	<b>NORTON NORZON PLUS RIGHTCUT</b>	<b>NORTON DIALAST RIGHTCUT</b>	<b>NORTON BLUEFIRE RIGHTCUT</b>	<b>NORTON GEMINI RIGHTCUT</b>	<b>NORTON METAL RIGHTCUT</b>
SHAPE:	Type 01/41				
ABRASIVE:	Ceramic Alumina/ Zirconia Alumina	Diamond	Zirconia Alumina/ Aluminum Oxide	Aluminum Oxide	Aluminum Oxide
MATERIAL:	<b>STAINLESS</b> <b>STEEL/METAL</b>	<b>STAINLESS</b> <b>STEEL/METAL</b>	<b>STAINLESS</b> <b>STEEL/METAL</b>	<b>STAINLESS</b> <b>STEEL/METAL</b>	<b>STAINLESS</b> <b>STEEL/METAL</b>



SIZE (D x T x H)	MAX. RPM	STD. PKG.	PART #	PART #	PART #	PART #	PART #
<b>.035", .040", .045", .050", 1/16, and 3/32" Type 01/41 – RightCut Cut-off</b>							
4 x .040 x 5/8	15,280	25					07660701616
4 x .045 x 5/8	15,280	25				66243527956	
4 x 3/32 x 5/8	15,280	25				66243527955	
4-1/2 x .035 x 7/8	13,580	25					66252843846
4-1/2 x .040 x 7/8	13,580	25			66252843225		07660701617
	13,580	50					66253370222
	13,580	250•					66252840001 250-Pk
	13,580	25*					66252842158 5-Pk
4-1/2 x .045 x 7/8	13,580	25	66252830730		66252843208	66252823602	
	13,580	25				66252841994 <b>ALU</b>	
	13,580	25				66252841997 <b>INOX/SS</b>	
	13,580	250•				66252841213 250-Pk	
	13,580	25*			66252842159 5-Pk	66252842160 5-Pk	
4-1/2 x .050 x 7/8	13,580	1		66253370016			
4-1/2 x 1/16 x 7/8	13,580	25					66252843845
4-1/2 x 3/32 x 7/8	13,580	25				66252823599	
5 x .040 x 5/8	12,225	25					66252843847
5 x .040 x 7/8	12,225	25			66252843226		07660701618
	12,225	25*					66252842168 5-Pk
5 x .045 x 7/8	12,225	25	66252830731		66252843209	66252823603	
	12,225	25				66252841995 <b>ALU</b>	
	12,225	25				66252841998 <b>INOX/SS</b>	
	12,225	250•				66252841214 250-Pk	
	12,225	25*			66252842169 5-Pk	66252842170 5-Pk	
5 x .050 x 7/8	12,225	25	66252809829				
	12,225	1		66253370017			
5 x 3/32 x 7/8	12,225	25				66252823600	
6 x .040 x 7/8	10,185	25					07660702757
	10,185	50					66253370223
	10,185	250•					66252841212 250-Pk
	10,185	25*					66252842173 5-Pk
6 x .045 x 7/8	10,185	25	66252842008		66252843210	66252823604	
	10,185	25				66252841996 <b>ALU</b>	
	10,185	25				66252841999 <b>INOX/SS</b>	
	10,185	250•				66252841215 250-Pk	
	10,185	25*			66252842174 5-Pk	66252842175 5-Pk	
6 x .050 x 7/8	10,185	1		66253370018			
6 x .060 x 5/8	10,185	25				66252809718	
6 x 3/32 x 7/8	10,185	25				66252823601	
7 x .045 x 7/8	8,600	20				66252842000 <b>INOX</b>	
7 x 1/16 x 7/8	8,600	25					07660704732
7 x 1/16 x 5/8	8,600	25				66252905957	
7 x 1/16 x 7/8	8,600	25	66252900652			66252832323	
	8,600	1		70184694055			
9 x .060 x 7/8	6,600	1		70184694056			

RIGHTCUT WHEELS ARE TO BE USED FOR CUTTING ONLY  
 \* 5-WHEEL JOB PACKS; WHEELS ARE PACKED 5 WHEELS/PACK, WITH 5 JOB PACKS/CARTON. ORDER PER EACH WHEEL IN STANDARD PACKAGE QUANTITIES OF 25. ORDER IN MULTIPLES OF 25.  
 • BULK PACKED 250 WHEELS/CARTON; 5 INNER BOXES OF 50 WHEELS EACH. ORDER IN MULTIPLES OF 250 WHEELS.



## Gemini RightCut Right Angle Grinder Cut-off Wheels

**THINNER! FASTER! STRONGER!** Our 100% aluminum oxide abrasive has been infused with a new bond technology and processed to outlast and out-cut competitive aluminum oxide blades. Operators will notice and appreciate the low kerf loss and added comfort.

Available in Type 01/41 straight and Type 27/42 depressed center wheels.

**We Make the Right Choice More Comfortable**



## AVAILABILITY



TIER:	BEST	BETTER	GOOD	GOOD
TRADENAME:	<b>NORTON NORZON PLUS</b>	<b>NORTON BLUEFIRE</b>	<b>NORTON GEMINI</b>	<b>NORTON METAL</b>
SHAPE:	Type 27/42	Type 27/42	Type 27/42	Type 27/42
ABRASIVE:	Ceramic Alumina/ Zirconia Alumina	Zirconia Alumina/ Aluminum Oxide	Aluminum Oxide	Aluminum Oxide
MATERIAL:	<b>STAINLESS</b> <b>STEEL/METAL</b>	<b>STAINLESS</b> <b>STEEL/METAL</b>	<b>STAINLESS</b> <b>STEEL/METAL</b>	<b>STAINLESS</b> <b>STEEL/METAL</b>

SIZE (D x T x H)	MAX. RPM	STD. PKG.	PART #	PART #	PART #	PART #
<b>.040, .045, 1/16", - RightCut Cut-off - Type 27/42</b>						
4 x .045 x 5/8	15,280	25			66252842180	07660705249
4-1/2 x .040 x 5/8-11	13,580	10		66252843227		
4-1/2 x .045 x 5/8-11	13,580	10	66252842006	66252843223	66252842025	
	13,580	10			66252841913 <b>INOX/SS</b>	
4-1/2 x .045 x 7/8	13,580	25	66252843320	66252843219	66252842026	66252843604
	13,580	25			66252841912 <b>INOX/SS</b>	
	13,580	25*			66252842161 <b>5-Pk</b>	
	13,580	250			66253370065 <b>250-Pk</b>	
5 x .040 x 5/8-11	12,225	10		66252843228	66252841939	
5 x .045 x 5/8-11	12,225	10			66252841915 <b>INOX/SS</b>	
	12,225	10			66252842036	66252843849
5 x .045 x 7/8	12,225	25	66252843329	66252843220	66252841914 <b>INOX/SS</b>	
	12,225	25			66252842171 <b>5-Pk</b>	
	12,225	25*			66253370066 <b>250-Pk</b>	
	12,225	250			66252830587	
6 x .045 x 5/8-11	10,185	10	66252842007		66252841917 <b>INOX/SS</b>	
	10,185	10			66252842202	66252842015
6 x .045 x 7/8	10,185	25	66252842009	66252843221	66252841916 <b>INOX/SS</b>	
	10,185	25			66252842176 <b>5-Pk</b>	
	10,185	25*			66253370067 <b>250-Pk</b>	
	10,185	250			66252841919 <b>INOX/SS</b>	
7 x .045 x 5/8-11	8,600	10			66252912626	
7 x .045 x 7/8	8,600	20			66252841918 <b>INOX/SS</b>	
	8,600	20				07660705251
7 x 1/16 x 7/8	8,600	10				
9 x 1/16 x 5/8-11	6,600	10			66253019115	

RIGHTCUT WHEELS ARE TO BE USED FOR CUTTING ONLY.

SIZE (D x T x H)	MAX. RPM	STD. PKG.	PART #	PART #	PART #	PART #
<b>3/32", .125" - Cut-off - Type 27/42</b>						
4 x .125 x 3/8	15,280	25	66252842001		66252841903	
4-1/2 x 3/32 x 5/8-11	13,580	10			66252842027 <b>INOX/SS</b>	
	13,580	10			66252841940	
4-1/2 x 3/32 x 7/8	13,580	25			66252842028 <b>INOX/SS</b>	
	13,580	25			66252843582 <b>1-2-3</b>	
	13,580	25			66252843588	
4-1/2 x .125 x 5/8-11	13,580	10	66252843321		66252843589	
4-1/2 x .125 x 7/8	13,580	25	66252843322		66252841904	
5 x 3/32 x 5/8-11	12,225	10			66252842037 <b>INOX/SS</b>	
5 x 3/32 x 7/8	12,225	25			66252843587 <b>LL</b>	
	12,225	25			66252843583 <b>1-2-3</b>	
	12,225	25			66252843595	
5 x .125 x 7/8	12,225	25			66252841905	
6 x 3/32 x 5/8-11	10,185	10			66252841906	
6 x 3/32 x 7/8	10,185	25			66252832487 <b>INOX/SS</b>	
	10,185	25			66252841192	
6 x .125 x 5/8-11	10,185	10			66252842021	
6 x .125 x 7/8	10,185	25			66252841907	
7 x 3/32 x 5/8-11	8,600	10			66252841908	
7 x 3/32 x 7/8	8,600	20			66252914638 <b>INOX/SS</b>	
	8,600	20				
7 x .125 x 5/8-11	8,600	10	66252912625			
7 x .125 x 7/8	8,600	20	66252912624		66252900619	
9 x 3/32 x 5/8-11	6,600	10		66252842378		
9 x 3/32 x 7/8	6,600	20		66252842343		

THESE WHEELS ARE TO BE USED FOR CUTTING ONLY.

\* 5-WHEEL JOB PACKS; WHEELS ARE PACKED 5 WHEELS/PACK, WITH 5 JOB PACKS/CARTON. ORDER PER EACH WHEEL IN STANDARD PACKAGE QUANTITIES OF 25. ORDER IN MULTIPLES OF 25.

See .045" RightCut Wheels for Aluminum on page 17.

WHEEL DESCRIPTION CODES			
<b>BLANK</b> = ALL PURPOSE	<b>FC</b> = FREE CUT	<b>INOX/SS</b> = CONTAMINANT FREE	<b>LL</b> = LONG LIFE
<b>M</b> = MASONRY	<b>S</b> = STAINLESS	<b>ST</b> = STEEL / METAL	



## AVAILABILITY



TIER:	<b>BEST</b>	<b>BETTER</b>	<b>GOOD</b>	<b>GOOD</b>	<b>GOOD</b>
TRADENAME:	<b>NORTON DIALAST</b>	<b>NORTON CHARGER</b>	<b>NORTON GEMINI</b>	<b>NORTON METAL</b>	<b>NORTON MASONRY</b>
SHAPE:	Type 01	Type 01	Type 01	Type 01	Type 01
ABRASIVE:	Diamond	Zirconia Alumina/ Aluminum Oxide	Aluminum Oxide	Aluminum Oxide	Silicon Carbide
MATERIAL:	<b>STAINLESS</b>	<b>STEEL/METAL</b>	<b>STEEL/METAL</b>	<b>STEEL/METAL</b>	<b>MASONRY</b>

SIZE (D x T x H)	MAX. RPM	STD. PKG.	PART #	PART #	PART #	PART #	PART #
<b>Type 01 – Circular Saw</b>							
6 x .035 x 5/8	10,185	25			66252809714		
6 x .060 x 5/8	10,185	25			66252809718		
6-1/2 x .125 x DM-5/8	9,405	10				07660789098	07660789089
7 x .060 x 5/8	8,730	25			66252905957		
7 x .060 x 7/8	8,730	1	70184694055				
7 x .125 x DM-5/8	8,730	25				07660789097	07660789088
8 x 1/16 x 5/8	7,640	25		66253017771 <b>LL</b>	66253007025		
	7,640	10			66253017795		
8 x 1/8 x DM-5/8	7,640	10				07660789096	07660789086
9 x .060 x 7/8	6,600	1	70184694056				

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

### WHEEL DESCRIPTION CODES

<b>BLANK</b> = ALL PURPOSE	<b>FC</b> = FREE CUT	<b>INOX/SS</b> = CONTAMINANT FREE	<b>LL</b> = LONG LIFE
<b>■</b> = MASONRY	<b>■</b> = STAINLESS	<b>■</b> = STEEL / METAL	



## Dialast Diamond: Introducing The Last Cut-Off and Depressed Center Wheels Standing!

Metal working demands tools that will cut or grind fast, throw a minimum of spark, and above all, LAST.

These new Norton DiaLast diamond cutting and grinding wheels give the operator everything needed to get the job done right, the very first time:

- Right angle grinder, circular saw, and chop saw blades for cutting steel, metal studs, stainless steel, nonferrous materials, tile, brick, plastic, and much more.
- DiaLast depressed center cutting and grinding wheels are an excellent choice on steel, cast iron, ductile pipe, tubing, and metal plate when high stock removal is desired

To learn more, see DiaLast depressed center (page 12) and cut-off wheel Features and Benefits (page 20).



## CATEGORY DEFINITION

Norton high-speed cut-off abrasive wheels provide the industry's leading performance in all high-speed gas and electric-powered applications.

<b>APPLICATIONS:</b>	<p>Metalworking: steel, stainless, ductile, cast iron, rail steel and metal decking</p> <p>Non-Metal Building Materials: concrete, brick, masonry, asphalt aggregate, stone and schedule 40 and 80 PVC pipe</p> <p>Rescue and Demolition: steel, acrylic, fiberglass, rubber, glass, wood, concrete, brick and asphalt</p>
<b>SIZE RANGE:</b>	12" – 16" diameter
<b>THICKNESS RANGE:</b>	1/8"
<b>ABRASIVE GRAIN:</b>	Aluminum Oxide, Silicon Carbide, Silicon Carbide/Aluminum Oxide Blend
<b>SHAPE:</b>	Type O1 Straight
<b>REINFORCEMENT:</b>	Wheels are offered in standard two layer reinforcement as well as three layer reinforcement for higher-speed saws and heavy-duty applications
<b>ARBOR:</b>	Wheels are offered with patented universal arbor that accommodates both 20mm and all other machines with 1" arbors

## MATERIAL / APPLICATION-TO-PRODUCT RECOMMENDATION GUIDE

ICON		APPLICATION
	<b>Metal</b>	High-performance aluminum oxide grain wheels designed for general purpose cutting of all steel and stainless parts including rebar, steel pipe, structural steel, sheet metal, cable and small to medium diameter solid pieces.
	<b>Metal Decking</b>	High-performance aluminum oxide abrasive combined with a thicker wheel that stands up to the sharp edges of sheet metal and roof decking.
	<b>Rail Steel</b>	A finer grit, harder grade aluminum oxide wheel designed for straight, fast cuts on all sizes of rail track. Additional high-performance lines of rail cut wheels are available for production applications.
	<b>Ductile/Cast Iron</b>	A special blend of silicon carbide abrasive for cutting and aluminum oxide abrasive for life, designed to cut ductile and cast iron pipe, concrete-lined water pipes, sewer construction and heavy duty PVC.
	<b>Rescue</b>	For ventilation, forcible entry, rescue and demolition. A versatile abrasive formula that can be used on a wide range of materials including all types of metals and masonry.
	<b>Concrete</b>	Coarse grit silicon carbide abrasive provides a low initial cost solution for cutting brick, block, concrete or other masonry materials. For higher-production applications that require optimum speed of cut and product life, please see our complete selection of high-speed diamond wheels in our Norton Construction diamond product line.
	<b>Asphalt</b>	A special blend of extra coarse silicon carbide abrasive grains provides a low initial cost solution for cutting asphalt, green concrete, asphalt over concrete, a wide range of aggregates and abrasive materials. For higher-production applications that require optimum speed of cut and product life, please see our Norton Construction diamond product line.

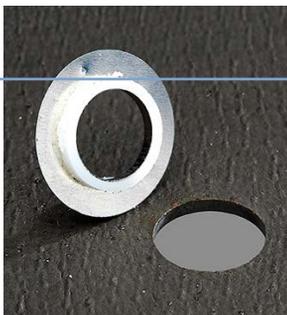
## HOW TO PICK THE RIGHT REINFORCEMENT



Two full layers of reinforcing are offered for lower power machines, and light to medium applications where speed of cut is the primary selection criterion.



Three full layers of reinforcing are recommended for high speed, high horsepower machines where the application is heavy-duty, and durability is the primary selection criterion.



## Universal Arbor

### Two Blade Sizes in One

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.



## CROSS REFERENCE GUIDE

SPECIALTY

NORTON	GOOD					
	Gemini Metal	Gemini Metal Decking	Rail Steel	Gemini Ductile	Gemini Concrete	Gemini Asphalt
<b>Abmast</b>	A 24 R, Kompetitor Metal	A 24 T	Rail-Kut A 24 Z	AC 24 R, Kompetitor Ductile Iron	C 24 R, Kompetitor Concrete	C 16 T, Kompetitor Asphalt
<b>Brilliant</b>	Metal/Stainless	—	A24PB	—	Concrete/Masonry	—
<b>Bullard Blaze &amp; Road Warrior</b>	A24R, ZA24Q, The Competitor	TA24R	A30R	AC24R	C24R, The Competitor	CC20R
<b>Camel</b>	A24-R	A24-T	—	AC24-R	C24-R	C16-U
<b>Flexovit</b>	A24/30SB	A24TB	A30PB	AC24SB	C30UB	C16UB
<b>Husqvarna</b>	Blue XHS, Blue QMS-CM, Blue EHS	Grey QMS-CM	Yellow QMS-CM	Green QMS-CM, Green EHS	Red XHS, Red QHS-CM, Red EHS	Black QMS-AS
<b>Pearl</b>	SRT, Premium A36S, Silver Line A30R	—	—	AC30S	Premium C36S, Silver Line C24R	—
<b>Pferd</b>	A 24 R SG	A 24 Q SG-RAIL	A 24 Q SG-RAIL	AC 24 Q SG	C 24 R SG	—
<b>Sait</b>	A24R, A30S, XFC	Brute	Hobo	Ductile	C24R	Big M.A.C, XFC
<b>Tyrolit</b>	A30P, A30BF	—	—	AC24, AC30BF	1C24, C30BF	—
<b>Virginia Abrasives</b>	Metal	—	—	Ductile	Concrete	Asphalt
<b>Walter</b>	A-24	—	—	—	—	—

## AVAILABILITY

TIER:	GOOD				
BRAND:	Norton				
TRADENAME:	GEMINI METAL HD	GEMINI METAL	GEMINI METAL DECKING	RAIL STEEL	GEMINI RESCUE
SHAPE:	Type 01				
ABRASIVE:	Aluminum Oxide				
REINFORCING:	3 Layers	2 Layers	2 Layers	2 Layers	2 Layers
MATERIAL:					

SIZE (D x T x H)	MAX. RPM	STD. PKG.	PART #				
<b>Type 01 Cut-off – for Gas &amp; Electric-Powered Saws</b>							
12 x 1/8 x 1" / 20mm	6,360	10	66252836708	66252837838			
14 x 1/8 x 1" / 20mm	5,400	10	66252835386	66252837841	66252832521		66243578262
14 x 1/8 x 1"	5,400	10				66253260462	
16 x 1/8 x 1" / 20mm	4,800	10		66252830886			
16 x 1/8 x 1"	4,800	10				66253259935	

## AVAILABILITY

TIER:	GOOD				
BRAND:	Norton				
TRADENAME:	GEMINI DUCTILE HD	GEMINI DUCTILE	GEMINI CONCRETE HD	GEMINI CONCRETE	GEMINI ASPHALT
SHAPE:	Type 01				
ABRASIVE:	Silicon Carbide / Aluminum Oxide Blend	Silicon Carbide / Aluminum Oxide Blend	Silicon Carbide	Silicon Carbide	Silicon Carbide
REINFORCING:	3 Layers	2 Layers	3 Layers	2 Layers	2 Layers
MATERIAL:					

SIZE (D x T x H)	MAX. RPM	STD. PKG.	PART #				
<b>Type 01 Cut-off – for Gas &amp; Electric-Powered Saws</b>							
12 x 1/8 x 1" / 20mm	6,360	10		66252837840	66252836709	66252837839	70184670243
14 x 1/8 x 1" / 20mm	5,400	10	66252835388	66252837843	66252835387	66252837842	70184672877
16 x 1/8 x 1" / 20mm	4,800	10				70184623029	



## CATEGORY DEFINITION

The Norton RailCut line is designed for high-speed fixtured hydraulic or gas-powered rail saws.

<b>APPLICATIONS:</b>	Fixed rail track cutting
<b>SIZE RANGE:</b>	14" and 16" diameter
<b>THICKNESS RANGE:</b>	1/8"
<b>GRIT RANGE:</b>	24 – 36
<b>ABRASIVE GRAIN:</b>	Zirconia Alumina/Aluminum Oxide Blend, Zirconia Alumina, and Aluminum Oxide
<b>SHAPE:</b>	Type O1 Straight
<b>REINFORCEMENT:</b>	Side reinforced with R (rough) sides
<b>SPEED RATING:</b>	All wheels are rated for 20,000 SFPM applications

## CROSS REFERENCE GUIDE AND MACHINE-TO-PRODUCT RECOMMENDATION GUIDE

NORTON	BEST	BETTER	GOOD	MACHINE USED	BEST	BETTER	GOOD
	RailCut X	NorZon III RailCut	A30X		HIGHEST PRODUCTIVITY LOWEST TOTAL COST	EXCELLENT BLEND OF PERFORMANCE & PRICE	CONSISTENT PERFORMANCE LOW INITIAL PRICE
<b>Bullard Abrasive</b>	Trackmaster Pro ZA24 Q-BF (Blue)	Trackmaster Pro ZA24 Q-BF (Blue)	Trackmaster A30 R-BF (Red)	<b>Hydraulic Saw</b>	RailCut X		A30X
<b>Flexovit USA</b>	-		A30-PB				
<b>Giesmar</b>	AM303-R	AM303-R	NR242-Q	<b>Gas Saw</b>		NorZon III RailCut	A30X
<b>Klingspor</b>	A 24 SX Special	A 24 SX Special	-		High-Horsepower / Newer Machine	RailCut X	
<b>Portaco</b>	A30 R-BF	A30 R-BF	-	Low-Horsepower / Older Machine	RailCut X	NorZon III FastCut	A30X
<b>Racine Kwik Kut</b>	A24R	A24R	-				

## FEATURED PRODUCTS



### NORTON RAILCUT X

BEST CHOICE FOR HIGH PERFORMANCE CUTTING OF RAILS ON APPLICATIONS WHERE THE HYDRAULIC OR GAS SAW IS FIXTURED AND HAS ADEQUATE POWER

#### FEATURES

- NEW! High-performance zirconia alumina/engineered aluminum oxide blend; R (rough) sides

#### BENEFITS

- Expertly cuts a broad range of materials
- Longest lasting and fastest cutting wheels

## AVAILABILITY



TIER:  
TRADENAME:

ABRASIVE:

SIZE (D x T x H)	MAX. RPM	STD. PKG.	PART #	PART #	PART #	PART #
<b>Type O1 Cut-off</b>						
14 x 1/8 x 1	5,400	10	66253337716	66253360493	66253363694	66253260462
16 x 1/8 x 1	4,800	10	66253335024	66253464607	66253464415	66253259935



## CATEGORY DEFINITION

These powerful, self-propelled machines are designed to cut concrete slabs and asphalt and are normally fitted with diamond blades. For inexperienced operators or small jobs, the machines can accommodate these low initial cost, conventional abrasives wheels.

<b>APPLICATIONS:</b>	Cutting straight sections of concrete surfaces
<b>SIZE RANGE:</b>	14" and 18" diameter
<b>THICKNESS RANGE:</b>	3/16" – 3/8"
<b>ABRASIVE GRAIN:</b>	Silicon Carbide
<b>BOND:</b>	Hot Pressed (HP) – for higher-horsepower machine applications where additional durability is needed, may be used wet or dry Cold Pressed (CP) – for lower-horsepower machines, which need a free-cutting wheel
<b>SHAPE:</b>	Type 01 Straight
<b>ARBOR:</b>	All are 1" with a drive pin

## CROSS REFERENCE GUIDE

### NORTON

**Abmast**  
**Bullard Blaze & Road Warrior**  
**Camel**  
**Flexovit**  
**Husqvarna**  
**Pearl**  
**Pferd**  
**Sait**  
**Tyrolit**  
**Virginia Abrasives**  
**Walter**



	<b>BETTER</b> Gemini <i>Asphalt / Green Concrete – HP</i>	<b>GOOD</b> Gemini <i>Asphalt - CP</i>	<b>GOOD</b> Gemini <i>Concrete - CP</i>
—	—	C 16 T. Kompetitor Asphalt/Concrete	C 24 R
—	—	C16R & T, C16R3	—
—	—	C16-U	C24-R
HPC16AG	C16 G.P. C16UB	C20SB/C16TB	
Red GC-7A	Black EWC	Gold RTC, Blue RTC, Blue EWC	
—	—	Premium C36S, Silver Line C24R	
—	C 24 R SG ASP	C 24 R SG GP	
Street Runner	C16	C24R, Street Walker	
Concrete/Asphalt CHP	Asphalt CP	Concrete CP	
—	GC/Asphalt	Concrete	
—	—	C-24	

## AVAILABILITY

	<b>BETTER</b>	<b>GOOD</b>	<b>GOOD</b>
<b>TIER:</b>			
<b>BRAND:</b>	Norton	Norton	Norton
<b>TRADENAME:</b>	<b>GEMINI ASPHALT - HP</b>	<b>GEMINI ASPHALT - CP</b>	<b>GEMINI CONCRETE - CP</b>
<b>SHAPE:</b>	Type 01	Type 01	Type 01
<b>ABRASIVE:</b>	Silicon Carbide	Silicon Carbide	Silicon Carbide
<b>BOND:</b>	Hot Pressed	Cold Pressed	Cold Pressed
<b>MATERIAL:</b>			

SIZE (D x T x H)	MAX. RPM	STD. PKG.	PART #	PART #	PART #
<b>Type 01 Cut-off – For Walk-Behind Saws</b>					
14 x 3/16 x 1 Pin Hole	4,365	10	70184670100	70184680324	70184680323
14 x 1/4 x 1 Pin Hole	4,365	5	70184670099	70184670535	70184670533
18 x 1/4 x 1 Pin Hole	4,250	5	70184670103	70184670098	
18 x 3/8 x 1 Pin Hole	4,250	5	70184648998		

For higher-production applications, optimum speed of cut and product life, please see our complete selection of walk-behind diamond blades in our Diamond, Abrasives and Equipment for the Construction Market Catalog #7719 found on [www.nortonconstructionproducts.com](http://www.nortonconstructionproducts.com).



## CATEGORY DEFINITION

A chop saw is a light, low-horsepower portable machine. Although very similar to a compound miter saw, it is designed for cutting denser materials, like metal bar, tubing or pipe. Chop saw cut-off wheels are designed specifically for this machine with finer grit, softer grades, and reinforcement layers that match the application.

<b>APPLICATIONS:</b>	Cutting small-diameter metal pieces, bar stock, metal pipe, tubing, decking, cable, drywall studs, and metal plate dimensioning
<b>SIZE RANGE:</b>	10" - 16" diameter
<b>THICKNESS RANGE:</b>	7/64"
<b>ABRASIVE GRAIN:</b>	Zirconia Alumina/Aluminum Oxide Blend, Aluminum Oxide, Silicon Carbide
<b>SHAPE:</b>	Type O1 Straight
<b>REINFORCEMENT TYPE:</b>	Side reinforced, centrally reinforced

## CROSS REFERENCE GUIDE

	TOTAL PERFORMANCE ←			INITIAL PRICE →			← SPECIALTY →		
<b>NORTON</b>	<b>BETTER</b> BlueFire Free Cut	BlueFire Rapid Cut	BlueFire Long Life	<b>GOOD</b> Gemini Free Cut	Gemini Rapid Cut	Gemini Long Life	<b>GOOD</b> Stud Cutter	Gemini Aluminum	Masonry
<b>Brilliant</b>	—	—	—	Super-G	Tube/Pipe	—	Drywall Stud	Aluminum	—
<b>Bullard</b>	ZA36T	—	—	TA36T A46T The Competitor	A36R The Competitor	A36R Ironmaster	A46T Studmaster	AL36R	—
<b>Camel</b>	—	—	ZA24-S	A36-P, WA36-P	—	A36-S	A30-R Mr. Stud	A30-N	—
<b>Dewalt</b>	—	—	XP	GP, Stainless Fabrication	—	—	Stud Cutting	—	—
<b>Flexovit</b>	—	—	—	A30R Fast Cut A30-Q Free Cut	—	A30S Long Life	A30T Drywall Stud	—	—
<b>Makita</b>	—	—	—	—	General Purpose	—	—	—	—
<b>Pearl</b>	SRT36	—	—	A36P Premium	A30P Silver Line	—	A46S Stud Cutting	—	—
<b>Pferd</b>	—	—	—	A 36 K SG CHOP	PSF CHOP	—	A 36 K SG-STUD	—	C 36 K SG-CHOP
<b>Sait</b>	Saitech Steel Worker	Z-tech	—	EZ-Chop	EZ-Chop Attacker	Iron Worker	Stud King	Aluminum	—
<b>Walter</b>	—	—	—	—	A-30	A-30-HC+	—	A30-ALU	—

## APPLICATION-TO-PRODUCT RECOMMENDATION GUIDE

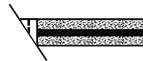
### WHEEL TYPE/REINFORCEMENT

#### TYPE O1 STRAIGHT SIDE REINFORCED CUT-OFF WHEEL



Side reinforced wheels have two full layers of reinforcing and are designed for a fast cut and the most aggressive applications. All Purpose, Free Cut, and Long Life are side reinforced.

#### TYPE O1 STRAIGHT CENTRALLY REINFORCED CUT-OFF WHEEL



Centrally reinforced wheels have a single layer of reinforcing with exposed rough sides for free-cutting, non-binding applications where minimal burr and burn are the key requirements. Rapid Cut wheels are centrally reinforced.

## HOW TO PICK THE RIGHT BOND TYPE

<b>All Purpose</b>	Unmarked	Where an excellent blend of cut rate and life is needed
<b>Free Cut</b>	<b>FC</b>	Used when fast, burn-free cutting is desired or when cutting pieces with larger cross sections
<b>Long Life</b>	<b>LL</b>	Where durability is needed due to severe application, and when cutting parts with small cross sections
<b>Rapid Cut</b>	<b>RC</b>	Where a free cutting, non-binding wheel is needed for burn-free and burr-free cuts
<b>High-Performance</b>	<b>STUD</b>	High-performance aluminum oxide/resin bond combination designed for cleaner cuts and longer life when cutting steel studs
<b>Aluminum</b>	<b>ALU</b>	Specially formulated bond for reduced loading/surface contamination when cutting aluminum/soft materials



## FEATURED PRODUCTS



### NORTON BLUEFIRE CHOP SAW REINFORCED CUT-OFF WHEELS

BETTER CHOICE FOR STEEL, STAINLESS STEEL AND ALL OTHER FERROUS METALS

#### FEATURES

- Durable zirconia alumina / premium aluminum oxide abrasive blend
- Free Cut: side reinforced
- Long Life: side reinforced
- Rapid Cut: centrally reinforced, rough sides

#### BENEFITS

- 2X the life and cut rate of aluminum oxide
- Engineered for larger cross-sections and/or hard-to-cut materials
- Ideal for small cross-section workpieces
- Free cutting, non-binding; burr- and burn-free cuts



### NORTON GEMINI CHOP SAW REINFORCED CUT-OFF WHEELS

GOOD CHOICE FOR ALL STEEL AND FERROUS METALS AS WELL AS SPECIALTY APPLICATIONS IN ALUMINUM

#### FEATURES

- Free Cut: side reinforced
- Long Life: side reinforced
- Rapid Cut: centrally reinforced, rough sides
- Aluminum: specially formulated bond for aluminum and other soft, nonferrous metals; no wax or rubber fillers

#### BENEFITS

- Engineered for larger cross-sections and/or hard-to-cut materials
- Ideal for small cross-section workpieces
- Free cutting, non-binding; burr- and burn-free cuts
- Free cutting; resist loading
- No surface contamination



### NORTON METAL STUD CUTTER CHOP SAW REINFORCED CUT-OFF WHEELS

GOOD CHOICE FOR DRYWALL STUDS

#### FEATURES

- Stud Cutter: thin, side-reinforced; with high-performance aluminum oxide abrasive

#### BENEFITS

- Designed specifically for cutting steel studs



NEW

### NORTON DIALAST DIAMOND CHOP SAW REINFORCED CUT-OFF WHEELS

DESIGNED FOR CUTTING STEEL, METAL STUDS, STAINLESS STEEL, NONFERROUS MATERIALS, TILE, BRICK, PLASTIC AND MUCH MORE

#### FEATURES

- A combination of high-quality diamond and advanced brazed single-layer bonding technology
- Environmentally friendly grinding
- Engineered with sound-dampening technology

#### BENEFITS

- Extra-long life vs. conventional abrasives or other vacuum-brazed diamond tools
- Retains the diamond grains and wheel shape for full life with low spark, while keeping a continuous grinding depth
- Less blade changes reduce downtime and labor costs
- Generate minimal dust
- Makes the blade environmentally-friendly when cutting indoors or out



AVAILABILITY

									
			<b>BEST</b>	<b>BETTER</b>	<b>BETTER</b>	<b>GOOD</b>	<b>GOOD</b>	<b>GOOD</b>	<b>GOOD</b>
TIER:									
TRADENAME:			<b>NORTON DIALAST</b>	<b>NORTON BLUEFIRE</b>	<b>NORTON BLUEFIRE</b>	<b>NORTON GEMINI</b>	<b>NORTON GEMINI</b>	<b>NORTON METAL</b>	<b>NORTON MASONRY</b>
SHAPE:			Type 01	Type 01	Type 01				
ABRASIVE:			Diamond	Zirconia Alumina/ Aluminum Oxide	Zirconia Alumina/ Aluminum Oxide	Aluminum Oxide	Aluminum Oxide	Aluminum Oxide	Silicon Carbide
REINFORCING:				Side	Central	Side	Central	Side	Side
MATERIAL:				<b>STAINLESS</b>	<b>STAINLESS</b>	<b>STAINLESS</b>	<b>STAINLESS</b>	<b>STAINLESS</b>	
			<b>STAINLESS</b>	<b>STEEL/METAL</b>	<b>STEEL/METAL</b>	<b>STEEL/METAL</b>	<b>STEEL/METAL</b>	<b>STEEL/METAL</b>	<b>MASONRY</b>
SIZE (D x T x H)	MAX. RPM	STD. PKG.	PART #	PART #	PART #				
<b>Type 01 Straight Cut-off</b>									
10 x 7/64 x 1	6,110	10				66253106109 <b>LL</b>			
12 x 7/64 x 1	5,095	10		66252843250		66253207554 <b>LL</b>	66253214561 <b>RC</b>		
	5,095	5						07660789400	
14 x 3/32 x 1	4,365	10				66253306627 <b>FC</b>	66253313588 <b>RC</b>	66252835554	
	4,365	10				66253306626 <b>LL</b>		07660789405 <b>STUD</b>	
	4,365	5						07660789399	
14 x 7/64 x 1	4,365	10		66252843252 <b>FC</b>	66252843254 <b>RC</b>				
	4,365	10		66252843253 <b>LL</b>					
	4,365	25						07660703970 5 Pk	
	4,365	10				66253314816 <b>ALU</b>			07660789402
14 x .155 x 1	5,400	1	70184694053						
16 x 3/32 x 1	3,820	10				66253410198 <b>LL</b>			
16 x 7/64 x 1	3,820	10		66252843256 <b>FC</b>					
	3,820	10		66252843257 <b>LL</b>					

**CUT-OFF WHEEL DESCRIPTION CODES**

<b>BLANK</b> = ALL PURPOSE	<b>ALU</b> = ALUMINUM	<b>FC</b> = FREE CUT	<b>LL</b> = LONG LIFE	<b>RC</b> = RAPID CUT	<b>STUD</b> = STUD CUTTER
<b>■</b> = MASONRY	<b>■</b> = STAINLESS	<b>■</b> = STEEL / METAL			





## CATEGORY DEFINITION

The Norton stationary saw reinforced cut-off wheel line consists of Type 01 straight 10" - 24" wheels, designed to fit on fixed-base stationary saws that are free-standing or mounted on a workbench.

<b>APPLICATIONS:</b>	Primary applications are cutting of all metal parts (flat stock, bars, studs, pipes, tubes, angle iron, cable), wire rope and hydraulic hose used in fabrication, construction and plant maintenance.
<b>SIZE RANGE:</b>	10" – 20" diameter
<b>THICKNESS RANGE:</b>	3/32", 1/8", 5/32", 3/16"
<b>ABRASIVE GRAIN:</b>	Zirconia Alumina/Aluminium Oxide Blend, Aluminum Oxide, Silicon Carbide
<b>SHAPE:</b>	Type 01 Straight

## CROSS REFERENCE GUIDE



	TOTAL PERFORMANCE		INITIAL PRICE		SPECIALTY	
	BETTER BlueFire	GOOD Gemini Free Cut	Gemini Long Life	Gemini Rapid Cut*	Norton Masonry	GOOD Foundry Cut**
<b>Abmast</b>	Z 24 R3	A 30 R	—	—	—	AC 24 R3
<b>Brilliant</b>	—	GP Fast Cut	GPX Long Life	XL , XLX	—	—
<b>Bullard</b>	—	A30-R	A30-T	A300	C20R	—
<b>Camel</b>	ZA24-R	A24-R, A46-T	—	—	C24-R	WA24-S
<b>Flexovit</b>	—	A30RB Multi Purpose	A30SB Long Life, A24TB Long Life	—	C24RB	AC24PB Heavy Duty
<b>Metabo</b>	—	A30N, A30R	A30S, A30V	—	C30S	—
<b>Pearl</b>	SRT36	A30P Premium, A30Q Silver Line	A30S Premium, A36R Premium	—	C24 Silver Line	—
<b>Pferd</b>	ZA 24 Q/R SG-HD	A 24 N/P SG-HD	A 24 Q/S SG-HD	—	C 24 0 SG	—
<b>Sait</b>	—	A24N, A36R	A24R	—	C24R	—
<b>Tyrolit</b>	—	A30BF	—	—	C30BF	—
<b>Walter</b>	—	A-24-FC	A-24-RIP	—	—	—

\* FOR BURR-FREE APPLICATIONS, PLEASE SEE CENTRALLY-REINFORCED BLUEFIRE RAPID CUT AND GEMINI RAPID CUT WHEELS IN CHOP SAW CUT-OFF WHEEL SECTION OR AT WWW.NORTONABRASIVES.COM

\*\* FOR FOUNDRY AND OTHER PRODUCTION CUT-OFF WHEELS, PLEASE REFER TO THAT SECTION OF THIS NORTON FULL LINE CATALOG #7362 OR AT WWW.NORTONABRASIVES.COM

## AVAILABILITY



TIER:	BETTER	GOOD	GOOD	GOOD
TRADENAME:	NORTON BLUEFIRE	NORTON GEMINI FREE CUT	NORTON GEMINI LONG LIFE	NORTON MASONRY
SHAPE:	Type 01	Type 01	Type 01	Type 01
ABRASIVE:	Zirconia Alumina/ Aluminum Oxide	Aluminum Oxide	Aluminum Oxide	Silicon Carbide
MATERIAL:	STAINLESS STEEL/METAL	STAINLESS STEEL/METAL	STAINLESS STEEL/METAL	MASONRY

SIZE (D x T x H)	MAX. RPM	STD. PKG.	PART #	PART #	PART #	PART #
<b>Type 01 Straight Cut-off</b>						
10 x 3/32 x 5/8	6,110	10	66252843248	66253106101 <b>FC</b>	66253106102 <b>LL</b>	
	6,110	5				07660789391
12 x 1/8 x 1	5,095	10	66252843249		66253207548 <b>LL</b>	
	5,095	5				07660789350
14 x 1/8 x 1	4,365	10	66252843251	66253306609 <b>FC</b>	66253306611 <b>LL</b>	
	4,365	5				07660789353
16 x 1/8 x 1	3,820	10		66253422942		70184623029
16 x 5/32 x 1	3,820	10	66252843255	66253410183 <b>FC</b>	66253410184 <b>LL</b>	
18 x 5/32 x 1	3,015	10		66253410185 <b>FC</b>		
20 x 5/32 x 1	2,710	5	66252843258 <b>FC</b>	69078609031 <b>FC</b>	69078609032 <b>LL</b>	
	2,710	5	66252843259 <b>LL</b>			
20 x 3/16 x 1	2,710	5		69078609033 <b>FC</b>	69078609034 <b>LL</b>	

### CUT-OFF WHEEL DESCRIPTION CODES

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

## CATEGORY DEFINITION

Foundry cut-off wheels are designed with abrasives, bonds and reinforcement types specific to machine parameters and materials. Most of the specifications are non-stock for this section and the stock listing is designed to provide popular size and starting specifications.

**SIZE RANGE:** Reinforced: 12" – 30" diameter; Non-reinforced: 12" – 20" diameter

**GRIT RANGE:** 20 – 46 grit

**ABRASIVE GRAIN:** Ceramic Alumina, Zirconia Alumina, Aluminum Oxide

**REINFORCEMENT:** **Reinforced:** Engineered with strengthening fabric or filaments, which make wheels resistant to cross-bending breakage. All portable cut-off, swingframe, locked-head push-through and foundry chop stroke operations require reinforced cut-off wheels.

**B:** One or more full diameter pieces of filament molded inside each wheel. This construction leaves the abrasive exposed on the side of the wheel, improving freeness of cut. Used for fixed work operations with low probability of side pressure.

**N:** Full diameter pieces of reinforcement on the side of the wheel. Offers greatest possible resistance to side pressure and bending.

**Non-Reinforced:** Designed for use on fixed-base types of machines where the work is securely clamped and guarded, and where the wheel operates on a controlled cutting plane.

**W:** Reinforcement around the center hole only. These wheels are not considered to be truly reinforced.

**SIDE PATTERNS:** **Smooth sides:** Used for precision cutting applications

**Rough (R) sides:** Abrasive particles protrude from sides of wheel  
Used wet or dry on most metals



## MATERIAL-TO-PRODUCT RECOMMENDATION GUIDE

	<b>BEST</b> HIGHEST PRODUCTIVITY LOWEST TOTAL COST	<b>BETTER</b> EXCELLENT BLEND OF PERFORMANCE & PRICE	<b>GOOD</b> CONSISTENT PERFORMANCE LOW INITIAL PRICE
<b>Investment Cast Alloys</b>			
Stainless Steel	Quantum Foundry X	BlueFire Foundry X	Foundry X
Titanium	Quantum Foundry X	BlueFire Foundry X	Foundry X
<b>Cast Iron</b>	Quantum Foundry X	BlueFire Foundry X	Foundry X
<b>Cast Steel</b>			
Carbon & Low Alloy	Quantum Foundry X	BlueFire Foundry X	Foundry X
Stainless Steel & High Alloy	Quantum Foundry X	BlueFire Foundry X	Foundry X
Aluminum Alloy	Quantum Foundry X	BlueFire Foundry X	Foundry X
Copper Alloys, Brass, Bronze	Quantum Foundry X	BlueFire Foundry X	Foundry X

## CROSS REFERENCE GUIDE



<b>NORTON</b>	<b>BEST</b> Quantum B97	<b>BETTER</b> BlueFire Foundry X	<b>GOOD</b> Foundry X
<b>Allison</b>	TA362 R6 8045HA, YW462 MR B2HA	TA302-T6-B6HA, A46-T6-BX5T6A, HF 1247 K – CHALLENGER	
<b>Avery</b>		TA30-V680	A 3226 C7A, C11922 W071
<b>Buckeye</b>		Steel Shark	
<b>Dia-Tool</b>	BV1734R 710	BV 1397-5284-C	
<b>Flexovit</b>		A24PB, A30RB	
<b>Klingpor</b>	20A24-QBF		
<b>NATAB</b>			T 1584 HA
<b>Rappoid</b>		6Z30U-B3F2	

## FEATURED PRODUCTS



### NORTON BLUEFIRE FOUNDRY X REINFORCED

BETTER CHOICE ON STAINLESS STEEL, AEROSPACE ALLOYS, CAST IRON, AND STEEL

#### FEATURES

- Durable zirconia alumina/aluminum oxide blend with Foundry X bond technology

#### BENEFITS

- Excellent value on stainless steel and exotic aerospace alloys
- More aggressive; can withstand demanding applications
- Improved durability and heat resistance result in longer abrasive life, showing up to 80% better G-ratios (material removed/wheel wear); the most cost effective wheels



### NORTON U57A FOUNDRY X REINFORCED

GOOD CHOICE ON GENERAL PURPOSE APPLICATIONS

#### FEATURES

- Strong aluminum oxide abrasive with Foundry X bond technology

#### BENEFITS

- Consistent performance
- Tough and versatile abrasive
- Low initial price

## AVAILABILITY REINFORCED



TIER:  
BRAND:  
TRADENAME:  
ABRASIVE:

**BETTER**

Norton

**BLUEFIRE FOUNDRY X**

Zirconia Alumina/ Aluminum Oxide

**GOOD**

Norton

**FOUNDRY X**

Aluminum Oxide

SIZE (D x T x H)	MAX. RPM	STD. PKG.	SPEC.	PART #	SPEC.	PART #
<b>Type O1 Straight Cut-off – Foundry Reinforced</b>						
14 x 1/8 x 1	4,365	10	NV24-TB75N	66253347674	U57A30-TB75N	66253345779
	4,365	10	NV24-VB75N	66253179193	U57A30-VB75N	66253179191
	4,365	10	NV24-YB97N	66253347698	U57A30-YB97N	66253347692
16 x 5/32 x 1	3,820	10	NV24-TB75N	66253347676	U57A30-TB75N	66253345781
	3,820	10	NV24-VB75N	66253179147	U57A30-VB75N	66253179148
	3,820	10	NV24-YB97N	66253347693	U57A30-YB97N	66253347700
20 x 5/32 x 1	2,710	10	NV24-TB75N	66253347683	U57A30-TB75N	66253347546
	2,710	10	NV24-VB75N	66253179363	U57A30-VB75N	66253179364
	2,710	10	NV24-YB97N	66253347694	U57A30-YB97N	66253347701
20 x 3/16 x 1	2,710	10	NV24-TB75B	66253347684	U57A30-TB75B	66253347547
	2,710	10	NV24-VB75B	66253179366	U57A30-VB75B	66253179367
	2,710	10	NV24-YB97B	66253347699	U57A30-YB97B	66253347702
24 x 7/32 x 1-3/4	2,260	10	NV24-TB75B	66253347685	U57A30-TB75B	66253347549
	2,260	10	NV24-VB75B	66253179374	U57A30-VB75B	66253179375
	2,260	10	NV24-YB97B	66253347697	U57A30-YB97B	66253347703
30 x 1/4 x 1-3/4	1,810	10	NV24-TB75B	66253347722	U57A30-TB75B	66253347720
	1,810	10	NV24-YB97B	66253347723	U57A30-YB97B	66253347721

Ask your Norton representative about Norton Quantum Foundry X ceramic alumina made-to-order wheels.

## AVAILABILITY NON-REINFORCED



TIER:  
BRAND:  
TRADENAME:  
ABRASIVE:

**BETTER**

Norton

**U57A**

Aluminum Oxide

**GOOD**

Norton

**GEMINI**

Aluminum Oxide

SIZE (D x T x H)	MAX. RPM	STD. PKG.	SPEC	PART #	SPEC	PART #
<b>Type O1 Straight Cut-off – Foundry Non-Reinforced R-Sides</b>						
12 x 3/32 x 1	5,095	10	U57A461-PB25	66253261887		
16 x 1/8 x 1	3,820	10			<b>AP</b>	66253422942
20 x 1/8 x 1	2,710	10	U57A304-VB25W	69078665497		

#### CUT-OFF DESCRIPTION CODES

**AP** = ALL PURPOSE

Where an excellent blend of cut rate and life is needed



## CATEGORY DEFINITION

Reinforced and non-reinforced engineered cut-off wheels for cutting all types of tool steel with fixed-based cut-off machines.

**APPLICATIONS:** Reinforced cut-off wheels are designed to resist breakage caused by severe cross-bending and are required on any operation where the work is not securely clamped.

Non-Reinforced cut-off wheels are designed for use on fixed-based machines where the work is securely clamped, guarded, and where the wheel operates on a controlled cutting plane.

**SIZE RANGE:** 6" – 12" diameter

**GRIT RANGE:** 36 – 90 grit

**ABRASIVE GRAIN:** Aluminum Oxide

**BOND:** Resinoid, Rubber, and Shellac

**SHAPE:** Type 01 Straight

## CROSS REFERENCE GUIDE

NORTON	BETTER		
	Reinforced A60-OBNA2	Reinforced 57A364-TB25N	Non-Reinforced 57A60-M8B
Bates	A602-T-BF	A36-R-BF	-
Buffalo	A60-R-BF2	-	-
Dia. Tool	A80-SP	A46-SP	-
Radiac	A54-N6-B20	-	A54-N6-B20
Tyrolit	A60-QBF38A2	-	-

## TECHtip

- Smooth side pattern – Used when a precise thickness tolerance is needed
- Rough (R) sides pattern – Abrasive particles protrude from sides of wheel; used wet or dry on most metals

## TROUBLESHOOTING GUIDE

PROBLEM	POSSIBLE CAUSES	SUGGESTED CORRECTION
Poor cut 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, or thinner wheel Reduce contact area Use finer grit 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
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 more machine power Use softer grade wheel Check spindle and flanges Ensure tight flanges and maximum safe operating speed being used
Poor finish	Too much burr Wheel too coarse	Use finer grit, or softer grade Use finer grit

## TECHtip

- Wheels with a "W" reinforcement (reinforcement around the hole) are not considered to be truly reinforced.
- Clamp or fixture the workpiece for straightest cuts.
- Run wheels at the highest possible speed marked on the wheel and make cuts as quickly as possible. Do not overspeed wheels.
- It is recommended that a cut-off machine should have 1 horsepower for every inch of wheel diameter. For less than this, we recommend using a softer specification.
- Using a harder grade wheel increases wheel life, but it also increases burn, power required and decreases cut rate.
- Using a coarser grit wheel increases wheel life and cut rate, but it also increases burr and power required.

## FEATURED PRODUCTS



### TOOLROOM REINFORCED CUT-OFF WHEELS

BETTER CHOICE FOR CUTTING TOOL STEEL ON FIXED-BASED MACHINES WHEN WORK IS NOT SECURELY CLAMPED

#### FEATURES

- OBNA2 – side reinforced, resin bond
- B25N – constructed with full diameter fiberglass reinforcement

#### BENEFITS

- Yields maximum cut rate and minimum kerf loss; ideal when thin cut is desired
- Versatile; durable, free cutting; offer greatest stiffness

#### AVAILABILITY

SIZE (D x T x H)	MAX. RPM	STD. PKG.	TIER: BETTER	
			SPEC.	PART #
<b>Type O1 Straight Cut-off – Reinforced</b>				
6 x .035 x 1/2	10,190	25	A60-OBNA2	66252835053
6 x .035 x 1-1/4	10,190	25	A60-OBNA2	66252835055
6 x .060 x 1/2	10,190	25	A60-OBNA2	66252835164
6 x .060 x 1/2	10,190	25	57A364-TB25N	66252822969
6 x .060 x 1-1/4	10,190	25	A60-OBNA2	66252835165
7 x .035 x 1/2	8,730	25	A60-OBNA2	66252938786
7 x .035 x 1-1/4	8,730	25	A60-OBNA2	66252938788
7 x .060 x 1/2	8,730	25	A60-OBNA2	66252938816
7 x .060 x 1-1/4	8,730	25	A60-OBNA2	66252938796
7 x .060 x 1-1/4	8,730	25	57A364-TB25N	66252922676

SIZE (D x T x H)	MAX. RPM	STD. PKG.	TIER: BETTER	
			SPEC.	PART #
<b>Type O1 Straight Cut-off – Reinforced</b>				
8 x .035 x 1/2	7,640	25	A60-OBNA2	66253043014
8 x .035 x 1-1/4	7,640	25	A60-OBNA2	66253042980
8 x .060 x 1/2	7,640	25	A60-OBNA2	66253043009
8 x .060 x 1-1/4	7,640	25	A60-OBNA2	66253042983
8 x .060 x 1-1/4	7,640	25	57A364-TB25N	66253022705
10 x .060 x 5/8	6,110	25	A60-OBNA2	66253149317
10 x .060 x 1-1/4	6,110	25	A60-OBNA2	66253149186
12 x .060 x 1	5,095	10	A60-OBNA2	66253261811
12 x .075 x 1	5,095	10	A60-OBNA2	66253261910
12 x .075 x 1-1/4	5,095	10	A60-OBNA2	66253261858



### TOOLROOM NON-REINFORCED CUT-OFF WHEELS

BETTER CHOICE FOR CUTTING TOOL STEEL ON FIXED-BASED MACHINES WHEN THE WORK IS SECURELY CLAMPED

#### FEATURES

- B bond (smooth sides)
- B25 bond (smooth sides)
- E7 bond (smooth sides)
- R30 bond (smooth sides)

#### BENEFITS

- A mild acting resin bond for light cut-off applications
- A versatile, free-cutting, more durable resin bond
- Ideal for dry cutting metal in high production runs
- A shellac bond with very mild cutting action, recommended for highly critical applications where no burr, heat checks, or discoloration is permitted
- Mild acting rubber bond primarily for wet, ultra-thin cutting

#### AVAILABILITY

SIZE (D x T x H)	MAX. RPM	STD. PKG.	TIER: BETTER	
			SPEC.	PART #
<b>Type O1 Straight Cut-off – Non-Reinforced</b>				
6 x .015 x 1-1/4	6,370	25	57A90-ROR30	66252822953
6 x .020 x 1-1/4	6,370	25	57A90-ROR30	66252822954
6 x .035 x 1-1/4	6,370	25	57A60-M8B	66252822958
6 x .060 x 1/2	7,640	25	57A541-RB25	66252822970
6 x .060 x 1-1/4	7,640	25	57A60-M8B	66252822975
7 x .035 x 1-1/4	5,460	25	57A60-M8B	66252922983
			57A60-08B	66252922986
			57A60-Q8B	66252922987
7 x .035 x 1-1/4	5,460	25	57A601-PB25	66252922988
			57A601-RB25	66252922989
7 x .035 x 1-1/4	5,185	25	57A60-OE7	66252922985
			23A601-PB25	66252938701
7 x .050 x 1-1/4	5,460	25	23A601-PB25	66252938724*
7 x .060 x 1/2	6,550	25	57A60-08B	66252922672

\*EXCEPTION: ROUGH SIDES

SIZE (D x T x H)	MAX. RPM	STD. PKG.	TIER: BETTER	
			SPEC.	PART #
<b>Type O1 Straight Cut-off – Non-Reinforced</b>				
7 x .060 x 1-1/4	6,550	25	57A46-M8B	66252922677
			57A60-M8B	66252922681
			57A60-08B	66252922684
			57A60-OE7	66252922683
7 x .090 x 1-1/4	6,550	25	57A60-M8B	66252922690
7 x .125 x 1-1/4	6,550	25	57A60-M8B	66252922692
8 x .035 x 1-1/4	4,775	25	57A60-N8B	66253022694
8 x .060 x 1/2	5,730	25	57A60-M8B	66253022702
8 x .060 x 1-1/4	5,730	25	57A60-M8B	66253022708
8 x .060 x 1-1/4	4,540	25	57A60-OE7	66253022709
10 x .060 x 5/8	4,585	25	57A46-Q8BW	66253122816
			57A60-M8BW	66253122818
10 x .090 x 5/8	4,585	25	57A60-M8BW	66253122824



## CATEGORY DEFINITION

The Norton metallurgical line of Type O1 straight cut-off wheels was developed specifically for sectioning off metal samples; burr-free cutting, minimal burn and distortion.

**APPLICATIONS:** Designed specifically for cutting off metal samples ranging from mild steel to super alloys on fixed-based machinery by scientists, engineers, and lab technicians

**SIZE RANGE:** 9" – 13.75" diameter

**MATERIALS CUT:** Steels, and Titanium / Titanium Alloys

## CROSS REFERENCE GUIDE

Size	Material	NORTON		BUEHLER		LECO		STRUERS	
		Spec.	Part #	Metabrase Part #	BuehlerMet II Part #	Part #	Part #	Part #	Axitom/-5 Part #
9 x .063 x 1-1/4 (229mm x 1.6mm x 32mm)	Very Hard Steels (Rc 55 - 68)	ML-109	66253117874	10-4110-010					60A24*
	Medium Steels (Rc 30 - 40)	ML-309	66253117877	10-4116-010	10-5112-010	811-043-010			40A24*
	Soft Steels (Rc 20 - 30)	ML-409	66253117828	10-4120-010	10-5116-010	811-049-010			30A24*
10 x .063 x 1-1/4 (254mm x 1.6mm x 32mm)	Very Hard Steels (Rc 55 - 68)	ML-110	66253117879	10-4210-010		808-673	812-231		60A25•
	Hard Steels (Rc 40 - 55)	ML-210	66253117880	10-4212-010	10-5210-010	811-059-010	810-310-010		54A25•
	Medium Steels (Rc 30 - 40)	ML-310	66253117881	10-4216-010	10-5212-010	811-067-010	810-310-010		40A25•
	Soft Steels (Rc 20 - 30)	ML-410	66253117830	10-4220-010	10-5216-010	811-073-010			30A25•
12 x .078 x 1-1/4 (305mm x 2.0mm x 32mm)	Very Hard Steels (Rc 55 - 68)	ML-112	66253322151	10-4410-010		808-674	811-065-010		60A30†
	Hard Steels (Rc 40 - 55)	ML-212	66253322152	10-4412-010	10-5410-010	811-081-010	810-311-010		50A30†
13.75 x .098 x 1-1/4 (350mm x 2.5mm x 32mm)	Very Hard Steels (Rc 55 - 68)	ML-114	66253322863	10-4310-010		808-675	812-232		60A35▲ 50A35
	Hard Steels (Rc 40 - 55)	ML-214	66253322156	10-4312-010	10-5310-010	809-346	811-977-010		50A35▲ 40A35

\* DISCOTOM/LABOTOM • DISCOTOM-5/-6/LABOTOM-3 † UNITOM/DISCOTOM-50/-60/-65 ▲ EXOTOM/UNITOM-2/-5/-50

## AVAILABILITY

SIZE (D x T x H)	MAX. RPM	STD. PKG.	PRODUCT #	APPLICATION	TIER:	BEST PART #
<b>Type O1 Straight Cut-off – Non-Reinforced</b>						
9 x .063 x 1-1/4 (229mm x 1.6mm x 32mm)	4,025	10	ML-109	Very Hard Steels (Rc 55 - 68)		66253117874
	4,025	10	ML-309	Medium Steels (Rc 30 - 40)		66253117877
	5,085	10	ML-409	Soft Steels (Rc 20 - 30)		66253117828
10 x .063 x 1-1/4 (254mm x 1.6mm x 32mm)	3,500	10	ML-110	Very Hard Steels (Rc 55 - 68)		66253117879
	3,500	10	ML-210	Hard Steels (Rc 40 - 55)		66253117880
	3,500	10	ML-310	Medium Steels (Rc 30 - 40)		66253117881
	4,585	10	ML-410	Soft Steels (Rc 20 - 30)		66253117830
12 x .078 x 1-1/4 (305mm x 2.0mm x 32mm)	3,820	10	ML-112	Very Hard Steels (Rc 55 - 68)		66253322151
	3,820	10	ML-212	Hard Steels (Rc 40 - 55)		66253322152
13.75 x .098 x 1-1/4 (350mm x 2.5mm x 32mm)	2,770	10	ML-114	Very Hard Steels (Rc 55 - 68)		66253322863
	2,770	10	ML-214	Hard Steels (Rc 40 - 55)		66253322156

## B82 BOND WHEELS

A HIGH-PERFORMANCE RESIN BOND FOR WET CUTTING METALLURGICAL APPLICATIONS

## AVAILABILITY

SIZE (D x T x H)	MAX. RPM	STD. PKG.	SPEC.	PART #	TIER:	BETTER
<b>Type O1 Straight Cut-off – Non-Reinforced</b>						
10 x 1/16 x 1-1/4	4,585	5	88A901-HB82 Metlab	66253149449		
12 x 1/16 x 1-1/4	3,820	5	88A901-HB82 Metlab	66253262172		