

## 3M™ Trizact™ Cloth Belts

The unique microreplicated construction used in 3M™ Trizact™ Abrasives can deliver consistent, predictable finishes, higher, more even rates of cut, cooler grinding and finishing temperatures, and reduced processing steps. 3M invented microreplication technology, which is the science of creating small, precisely shaped three-dimensional structures and then reproducing them on a variety of surfaces.

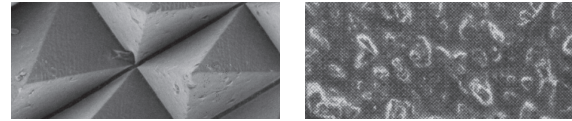
### 3M™ Trizact™ Belt Grading System

The unique construction of Trizact™ abrasives requires a different grading system. Grade is defined by the average particle size in microns and begins with an “A”.

3M™ Trizact™ Abrasive Grading	
Trizact Abrasive Grade	FEPA (P-Grade)
A5	P3000
A6	P2000
A10	P1500
A16	—
A20	P1200
A30	—
A35	P600
A45	P400
	P320
A60	—
A65	—
	P240
A80	—
A90	P220
A100	—
A110	P180
A130	P150
A160	P120

### The Difference is in the Construction

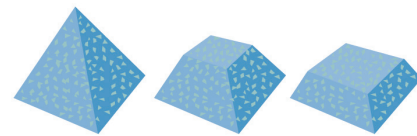
Trizact abrasives allow you to say “goodbye” to erratic, inconsistent finishes generated by conventional coated abrasives. Here’s why:



Three-dimensional structures uniformly distributed over the entire surface of 3M™ Trizact™ Abrasives (left) ensure consistent performance and eliminate belt-to-belt variation. Conventional abrasives (right), which feature randomly arranged minerals, wear and finish unevenly.



Conventional abrasives start out sharp, but they dull quickly.



3M™ Trizact™ Abrasives have three-dimensional structures containing multiple layers of abrasive mineral. As these pyramid-like structures wear, fresh, sharp mineral is exposed.

### 3M™ Trizact™ Belt Availability Guide

3M ID	Mineral	Backing	Description	Use Dry/Wet	A Grade															
					300	160	110	100	90	80	65	60	45	35	30	20	16	10	6	5
217EA*	Aluminum Oxide	Flex J wt	Low Pressure	Dry				●	●	●		●	●	●	●	●	●			
237AA*		Semi Flex X wt	Low-Med Pressure	Dry		●		●	●	●		●	●	●	●	●	●	●		
253FA		Stiff X wt	Low-Med Pressure	Wet				●	●	●		●	●	●	●	●	●	●		
305EA		Flex J wt	Fine Finishing	Dry															●	●
307EA*		Flex J wt	Low-Med Pressure	Dry				●	●	●		●	●	●	●	●	●	●		
327DC		Semi Flex X wt	Low Pressure	Dry	●	●		●			●	●	●	●						
337DC		Semi Flex X wt	Med Pressure	Dry	●	●		●			●	●	●	●						
347FC		Semi Flex X wt	High Pressure	Wet/Dry	●	●		●			●	●	●	●						
363FC		Stiff YF wt	Med-High Pressure	Wet	●	●		●			●	●	●	●						
407EA		Silicon Carbide	Flex J wt	Low-Med Pressure	Dry			●		●		●				●				
463FC	Stiff YF wt		Med-High Pressure	Wet								●	●		●	●	●			
953FA	Ceramic	Stiff YF wt	Med-High Pressure	Wet	●	●		●	●	●		●	●			●	●	●		

\*Go-to product

# 3M™ Trizact™ Cloth Belts

## 217EA

- Ideal for aluminum, copper, brass and zinc alloys to final finishing
- Good for low pressure applications
- Flexible belt for intermediate finish and dimensioning



UPC	W x L	Grade	Qty/Case
051125-23664-5†	4" x 84"	A45	50
051125-15686-8†	4" x 106"	A45	50
051125-20639-6	4" x 118"	A6	50
051125-14350-9	4" x 118"	A16	50
051111-66834-4	4" x 118"	A30	50
051125-13733-1†	4" x 118"	A45	50
051111-66830-6†	4" x 132"	A6	50
051111-69360-5†	4" x 132"	A16	50
051111-66835-1†	4" x 132"	A30	50
051111-66841-2†	4" x 132"	A45	50
051111-69669-9†	4" x 132"	A65	50
051125-12699-1†	4" x 168"	A30	50
051125-12479-9†	4" x 168"	A80	50

†Made-to-Order

## 237AA

- Semi-flexible abrasive
- Aluminum oxide mineral
- Great choice for stainless steel finishes



UPC	W x L	Grade	Qty/Case
051119-82624-1†	1" x 11"	A6	500
051125-32361-1†	1" x 11"	A16	500
051115-27208-0†	1" x 11"	A45	500
051111-66892-4†	1" x 11"	A65	500
051111-69366-7†	1" x 11"	A100	500
051125-22681-3†	1" x 12"	A100	200
051111-69377-3†	1" x 30"	A30	200
051125-15699-8†	1" x 42"	A16	200
051125-08603-5†	1" x 42"	A100	200
051111-69676-7†	1" x 42"	A160	200
051119-10286-4†	1" x 60"	A45	200
051115-27051-2†	1" x 60"	A65	200
051119-10263-5†	1" x 64"	A6	200
051111-66945-7†	1" x 130"	A100	50
051115-27804-4†	2" x 34"	A100	50
051111-69673-6†	2" x 48"	A16	50
051115-27731-3†	2" x 48"	A30	50
051119-09379-7†	2" x 48"	A45	50
051125-20671-6†	2" x 48"	A80	50
051111-69043-7†	2" x 48"	A100	50
051119-84184-8†	2" x 48"	A160	50

†Made-to-Order

## 237AA (cont)

UPC	W x L	Grade	Qty/Case
051119-59769-1†	2" x 60"	A80	50
051125-54544-0†	2" x 60"	A100	50
051115-27487-9†	2" x 72"	A16	50
051115-27653-8†	2" x 72"	A30	50
051115-27787-0†	2" x 72"	A65	50
051115-27904-1†	2" x 72"	A80	50
051111-69671-2†	2" x 72"	A100	50
051115-27849-5†	2" x 72"	A160	50
051125-22263-1†	2" x 118"	A30	50
051111-66856-6†	2" x 132"	A6	50
051111-69370-4†	2" x 132"	A16	50
051115-27658-3†	2" x 132"	A30	50
051111-69028-4	2" x 132"	A45	50
051111-69044-4	2" x 132"	A100	50
051125-20169-8†	2" x 148"	A100	50
051111-69294-3†	3" x 24"	A6	50
051111-69290-5†	3" x 24"	A16	50
051111-69291-2†	3" x 24"	A30	50
051125-14935-8†	3" x 24"	A80	50
051119-83067-5†	3" x 60"	A16	50
051111-69045-1†	3" x 60"	A100	50
051111-69295-0†	3" x 72"	A160	50
051111-69021-5†	3" x 90"	A30	50
051125-19954-4†	3" x 132"	A6	50
051111-51199-2	3" x 132"	A16	50
051111-51207-4	3" x 132"	A30	50
051111-51209-8	3" x 132"	A45	50
051111-69037-6†	3" x 132"	A65	50
051111-69051-2†	3" x 132"	A160	50
051111-66864-1†	3" x 148"	A16	50
051111-69292-9†	3" x 148"	A30	50
051111-69293-6†	3" x 148"	A45	50
051115-27145-8†	4" x 36"	A65	50
051111-66949-5†	4" x 36"	A100	50
051119-68279-3†	4" x 48"	A100	50
051115-27749-8†	4" x 90"	A6	50
051111-69016-1†	4" x 90"	A16	50
051111-51204-3	4" x 90"	A30	50
051111-69030-7†	4" x 90"	A45	50
051119-73517-8†	4" x 90"	A65	50
051115-27592-0†	4" x 90"	A80	50
051111-69672-9†	4" x 90"	A100	50
051115-27153-3†	4" x 106"	A30	50
051115-26818-2†	4" x 106"	A100	50
051111-66867-2†	4" x 118"	A16	50
051111-66878-8†	4" x 118"	A30	50
051111-66888-7†	4" x 118"	A45	50
051125-17651-4†	4" x 118"	A100	50

†Made-to-Order

# 3M™ Trizact™ Abrasive Belts

## 237AA (cont)

UPC	W x L	Grade	Qty/Case
051111-69251-6†	4" x 132"	A6	50
051111-69017-8	4" x 132"	A16	50
051111-51214-2	4" x 132"	A30	50
051111-69031-4†	4" x 132"	A45	50
051111-69387-2†	4" x 132"	A65	50
051111-66941-9†	4" x 132"	A80	50
051111-69048-2†	4" x 132"	A100	50
051115-27521-0†	4" x 168"	A16	50
051119-10264-2†	4" x 168"	A30	50
051119-08908-0†	4" x 168"	A65	50
051115-27303-2†	4" x 352"	A160	50
051115-27467-1†	4" x 354"	A65	50
051111-68739-0†	4" x 354"	A100	20
051111-68738-3†	4" x 354"	A160	50

†Made-to-Order

## 253FA

- Ideal for wet flat-finishing and wet intermediate finishing of centerless applications
- Great on stainless steel, carbon steel and carbon fiber composites



UPC	W x L	Grade	Qty/Case
051125-71939-1	Belt sizes made to order; specify UPC, grade and belt size (W" x L"); belts wider than 25" require multiple splices	A6	Determined by belt size
051125-71940-7		A16	
051125-71941-4		A30	
051125-71942-1		A45	
051125-71943-8		A65	
051125-71944-5		A80	
051125-71945-2		A100	

## 307EA

- Flexible cloth backing
- Aluminum oxide mineral
- Perfect choice for preplate surface finishes



UPC	W x L	Grade	Qty/Case
051111-67100-9†	1" x 42"	A80	200
051111-69408-4†	1" x 42"	A100	200
051115-27448-0†	1" x 72"	A45	200
051125-14659-3†	1" x 72"	A65	200
051119-63318-4†	1" x 76"	A6	200
051125-50495-9†	1" x 76"	A30	200
051115-19520-4†	1" x 77"	A45	200
051115-26828-1†	1" x 132"	A6	200
051115-27410-7†	1" x 132"	A16	200
051115-27346-9†	1" x 132"	A45	200

†Made-to-Order

## 307EA (cont)

UPC	W x L	Grade	Qty/Case
051115-27830-3†	2" x 36"	A16	50
051125-40962-9†	2" x 48"	A65	50
051119-58606-0†	2" x 60"	A30	50
051119-75663-0†	2" x 60"	A45	50
051125-46217-4†	2" x 60"	A65	50
051125-11024-2	2" x 72"	A6	50
051111-69061-1	2" x 72"	A16	50
051111-69067-3	2" x 72"	A30	50
051111-69072-7†	2" x 72"	A45	50
051111-69074-1†	2" x 72"	A65	50
051111-69079-6	2" x 72"	A100	50
051125-34816-4	2" x 76"	A30	50
051111-61066-4	2" x 83"	A16	200
051115-27125-0†	2" x 90"	A16	50
051119-09343-8†	2" x 118"	A16	50
051125-20950-2†	2" x 118"	A30	50
051125-20345-6†	2" x 118"	A45	50
051111-51206-7	2" x 132"	A6	50
051111-51202-9	2" x 132"	A16	50
051111-69068-0	2" x 132"	A30	50
051111-51210-4	2" x 132"	A45	50
051111-69075-8	2" x 132"	A65	50
051111-69077-2	2" x 132"	A80	50
051111-69080-2	2" x 132"	A100	50
051111-67059-0†	2" x 148"	A6	50
051115-19517-4†	2" x 148"	A16	50
051125-20168-1†	2" x 148"	A45	50
051115-27893-8†	3" x 72"	A16	50
051125-38992-1†	3" x 72"	A30	50
051125-30837-3†	3" x 72"	A100	50
051125-49713-8†	3" x 90"	A65	50
051111-67077-4†	3" x 96"	A30	50
051111-69256-1†	3" x 96"	A65	50
051111-68819-9†	3" x 118"	A6	50
051111-69063-5†	3" x 118"	A16	50
051111-51203-6	3" x 118"	A30	50
051111-67084-2†	3" x 118"	A45	50
051111-67106-1†	3" x 118"	A80	50
051111-67111-5†	3" x 118"	A100	50
051115-27418-3†	3" x 120"	A16	50
051125-20567-2†	3" x 120"	A30	50
051125-30879-3†	3" x 120"	A45	50
051111-69059-8†	3" x 132"	A6	50
051111-51200-5	3" x 132"	A16	50
051111-51201-2	3" x 132"	A30	50
051111-69073-4	3" x 132"	A45	50
051111-69076-5†	3" x 132"	A65	50
051111-69078-9	3" x 132"	A80	50
051111-69082-6†	3" x 132"	A100	50

†Made-to-Order

Chart continued on next page

# 3M™ Trizact™ Cloth Belts

## 307EA (cont)

UPC	W x L	Grade	Qty/Case
051115-27604-0†	4" x 36"	A30	50
051111-69060-4†	4" x 90"	A6	50
051111-69064-2†	4" x 90"	A16	50
051125-22401-7†	4" x 118"	A6	50
051111-69065-9	4" x 118"	A16	50
051111-69070-3†	4" x 118"	A30	50
051111-67107-8†	4" x 118"	A80	50
051111-67112-2†	4" x 118"	A100	50
051115-27766-5†	4" x 132"	A6	50
051111-69066-6†	4" x 132"	A16	50
051111-69071-0	4" x 132"	A30	50
051111-68821-2†	4" x 168"	A30	50
051115-26997-4†	4" x 240"	A16	25
051111-67113-9†	4" x 240"	A100	50

†Made-to-Order

## 327DC

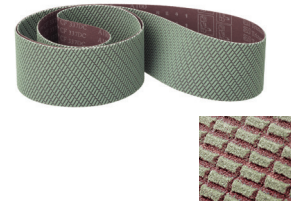
- Use for mill line removal, intermediate scratch refinement, consistent dimensioning and consistent finishing applications
- Macroreplicated aluminum oxide on a flexible backing
- Grinding aid
- For dry, low pressure applications only



UPC	W x L	Grade	Qty/Case
076308-66875-4	Belt sizes made to order; specify UPC, grade and belt size (W" x L")	A30	Determined by belt size
051125-71755-7		A45	
076308-66873-0		A65	
076308-66877-8		A100	
076308-66779-5		A160	
051125-71753-3		A300	

## 337DC

- Macroreplicated structure provides long product life and consistent cut and finish
- For dry, medium pressure applications on backstand grinders



UPC	W x L	Grade	Qty/Case
048011-33154-6†	2" x 60"	A100	5
048011-33153-9†	2" x 60"	A160	5
048011-33152-2†	2" x 60"	A300	5
048011-33161-4†	2" x 72"	A45	20
048011-33160-7†	2" x 72"	A65	5
048011-33159-1†	2" x 72"	A100	5
048011-33158-4†	2" x 72"	A160	5
048011-33157-7†	2" x 72"	A300	5
048011-33166-9†	2" x 132"	A45	5
048011-33165-2†	2" x 132"	A65	5
048011-33164-5†	2" x 132"	A100	5
048011-33163-8†	2" x 132"	A160	5
048011-33162-1†	2" x 132"	A300	5
048011-33171-3†	3" x 132"	A45	5
048011-33170-6†	3" x 132"	A65	5
048011-33169-0†	3" x 132"	A100	5
048011-33168-3†	3" x 132"	A160	5
048011-33167-6†	3" x 132"	A300	5

†Made-to-Order

## 347FC

- 3M aluminum oxide abrasive grain on a macroreplicated, flexible X wt backing
- For wet, high-pressure applications on hard metals, nickel alloys, titanium and stainless steel



UPC	W x L	Grade	Qty/Case
076308-67648-3	Belt sizes made to order; specify UPC, grade and belt size (W" x L")	A30	Determined by belt size
076308-67649-0		A45	
076308-67650-6		A65	
076308-67651-3		A100	
076308-67652-0		A160	
076308-67653-7		A300	

## 3M™ Trizact™ Cloth Belts

### 407EA

- Use for mill line removal, intermediate scratch refinement, consistent dimensioning and consistent finishing applications
- Silicon carbide constructed on a flexible rayon cloth backing
- Grinding aid for cooler grinding
- Resin bonded for heat resistance



UPC	W x L	Grade	Qty/Case
051125-71792-2	Belt sizes made to order; specify UPC, grade and belt size (W" x L")	A20	Determined by belt size
051125-71793-9		A60	
051125-71794-6		A90	
051125-71795-3		A110	

### 953FA

- Use in wet centerless or flat grinding and finishing operations
- Process flexible belt that delivers consistent, predictable results
- Macroreplicated ceramic abrasive grain coated on waterproof cloth backing



UPC	W x L	Grade	Qty/Case
051125-71978-0	Belt sizes made to order; specify UPC, grade and belt size (W" x L"); belts wider than 25" require multiple splices	A6	Determined by belt size
051125-71989-6		A10	
051125-71979-7		A16	
051125-71980-3		A30	
051125-71981-0		A45	
051125-71982-7		A65	
051125-71983-4		A80	
051125-71984-1		A100	
051125-71986-5		A160	
051125-71988-9		A300	

## 3M™ Belts

### 384F

- Workhorse for general purpose metalworking applications
- Consistent performance on all metals at a great value
- Waterproof X wt polyester backing
- Available in grades 36+ to 240+; P320-400



UPC	Size	Grade	Qty/Case
076308-47073-9	1/2" x 18"	36+	200
076308-45587-3		60+	
076308-45588-0		80+	
076308-45586-6†		120+	
076308-47069-2	1/2" x 24"	36+	200
076308-47070-8		60+	
076308-47071-5		80+	
051125-87318-5		120+	
076308-47072-2	3/4" x 18"	36+	200
076308-45583-5		60+	
076308-45584-2		80+	
076308-45585-9†		120+	
076308-45579-8†	1" x 42"	80+	200
076308-45580-4		120+	
076308-45575-0	2" x 60"	60+	50
076308-45574-3†		80+	
076308-45581-1	6" x 48"	60+	20
076308-45582-8		80+	
076308-45573-6†	6" x 264"	80+	20
076308-45577-4	37" x 60"	80+	5
076308-45576-7		120+	
076308-47067-8†		150+	
076308-47065-4†		180+	
076308-45578-1†	37" x 75"	120+	5
076308-47059-3†	2" x 132"	36+	50
076308-47060-9		60+	
076308-47061-6†	3" x 132"	36+	50
076308-47063-0		60+	
076308-47064-7†		80+	
076308-68116-6*	Custom sizes	36+	Determined by belt size
076308-68118-0*		50+	
076308-68119-7*		60+	
076308-68120-3*		80+	
076308-68122-7*		120+	
076308-68123-4*		150+	
076308-68124-1*		180+	
076308-68236-1*		220+	
076308-68125-8*		240+	
076308-68126-5*		P320	
076308-68127-2*		P400	

Available in grades 36+ to 400+  
 \*3M ID — Custom size made to order