



# Let's get started.

ldentify your application.

The questions at the top of each page will help to guide you through selecting the right belt for your application.

Check the 3M<sup>™</sup> Belt Availability Guides.

Once you've selected the right belt for your application, take a look at our belt availability guide in each section to confirm grade.

Confirm your stock number.

Finally, once you have determined which 3M product is right for you, turn to pages 8-10 to locate the configurable 3M stock number for your specific belt.

## Are you grinding?

#### 3M™ Cubitron™ II Abrasive Belts

From robots to backstands to cylindrical grinders, 3M<sup>™</sup> Cubitron<sup>™</sup> II belts allow heatsensitive metals to stay cool for less rework. Belt grinding and sanding equipment run efficiently for fewer changeovers, taking productivity to a whole new level.

#### High Pressure | Heavy Stock Removal

For higher pressure, coarse grade grinding applications, a hard and serrated contact wheel will improve your cut speed and help your abrasive belt last longer.

Use For	Substrates	3M Product
Best bet/Robotics	All Metals	3M™ Cubitron™ II Cloth Belt 984F
Extreme pressure grinding	Stainless Steel/High Nickel Alloys	3M™ Cubitron™ II Cloth Belt 997F
Extreme pressure grinding	Carbon Steel/ Cast Iron	3M™ Cubitron™ II Cloth Belt 994F
Wet application for flat finishing & centerless grinding	Heat Sensitive Metals	3M™ Cubitron™ II Cloth Belt 966F
General purpose/ Wet or dry grinding	All Metals	3M™ Cubitron™ II Cloth Belt 967F

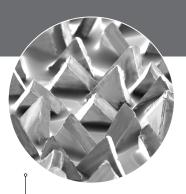
#### Medium Pressure | Stock Removal & Blending

Use For	Substrates	3M Product					
Best bet	All Metals	3M™ Cubitron™ II Cloth Belt 784F					
Reduced loading on soft substrates	Aluminum/Brass/ Bronze/Copper	3M™ Cubitron™ II Cloth Belt 981F					
General purpose	All Metals	3M™ Cloth Belt 384F					

#### Low Pressure | Blending & Setting a Grain

For lower pressure or finishing applications, a smoother / softer contact wheel will allow for more conformability to your workpiece.

Use For	Substrates	3M Product					
Best bet	All Metals	3M <sup>™</sup> Cubitron <sup>™</sup> II Cloth Belt 947A					
Flexibility	Aluminum/ Stainless Steel	3M™ Cubitron™ II Cloth Belt 723D					



#### **CUBITR** NII

The precision-shaped grain found in 3M™ Cubitron™ II belts continuously fractures to form sharp points and edges.



#### **Tech Tip**

Product & Pressure

Matching the right
product to your
application's pressure
is a key component of
optimal abrasive
performance. This
can help ensure
maximized cutting
speed and
product life.

#### **Tech Tip**

#### Signs of the Wrong Belt

When you apply too much pressure to an abrasive, you may notice "shelling." When you apply too little, it rubs the substrate rather than cutting it, resulting in "glazing" or "capping."





# **3M™** Coated Belt Availability Guide

3M ID	Mineral	Backing	Grinding Aid	Use Dry/Wet	20	24	36	40	50	60	80	100	120	150	180	220	240	320	400	600
984F		YF	Yes	Dry/Wet			+		+	+	+		+							
997F		ZF	Yes	Dry/Wet			+													
994F	3M Precision-	ZF	No	Dry/Wet			+													
966F	Shaped Grain	ZF/YF	No	Wet	+	+	+	+	+	+	+									
967F		ZF/YF	Yes	Dry/Wet		+	+		+	+	+									
784F		YF/XF	Yes	Dry/Wet			+		+	+	+		+	+	+					
981F		YF	No	Dry/Wet			+	+		+										
384F	A/O Ceramic Blend	XF	No	Dry/Wet			+		+	+	+		+	+	+	+	+	Р	Р	
947A	3M Precision-	х	Yes	Dry				+		+	+		+							
723D	Shaped Grain	J	No	Dry								+	+	+	+	+				

#### **Backing Types**

More ←	——— Flexibility ———	→ Less
J Weight	X Weight   Y Weight	Z Weight
Low ←	Pressure	→ High



## Are you deburring & finishing?

step

# Are you finishing & polishing?

#### **Scotch-Brite<sup>™</sup> Abrasive Belts**

Tackle your deburring, finishing, cleaning and surface prep with confidence using Scotch-Brite™ abrasive belts. Powered by 3M™ non-woven technology, Scotch-Brite™ belts deliver repeatable results you can count on for every job.





Scotch-Brite<sup>™</sup> nonwoven synthetic fiber and abrasive mineral forms a web that is open, tough, conformable and long-lasting.

#### **Surface Conditioning**

Use For	Substrates	3M Product
Best bet/Flexibility	All Metals	Scotch-Brite™ Durable Flex Belt
General purpose	All Metals	Scotch-Brite <sup>™</sup> Surface Conditioning Belt
Toughness	All Metals	Scotch-Brite™ SE Surface Conditioning Belt



# step 2

#### **Scotch-Brite** Melt Availability Guide

ЗМ ID	Mineral	Backing	A CRS	A MED	A FIN	A VFN	SFN
Scotch-Brite™ Durable Flex Belt	A/O	Low Stretch	•	•	•		
Scotch-Brite <sup>™</sup> Surface Conditioning Belt	A/O or Silicon Carbide	Plating/Buffing Prep	•	•		•	•
Scotch-Brite <sup>™</sup> SE Surface Conditioning Belt	A/O	Scrim/Low Stretch	•	•	•		

#### **Backing Types**

Film		Scrim	Low Stretch
Low	<b>←</b>	Pressure	

#### **3M™ Trizact™ Abrasive Belts**

3M™ Trizact™ Abrasives are ideal for work where consistent, refined finishes are essential. Cool-running Trizact delivers refined performance even on hard metals such as carbon or stainless steel, and helps reduce warping and discoloration. And the mineral abrasive stays sharp as it wears.



Trizact grain featuring microreplicated three-dimensional abrasive structures for the finest finishes.

Trizact<sup>TM</sup>

#### **Consistent Finishes**

Use For	Substrates	3M Product
Scrim/Low Stretch/ Film Backed	All Metals	3M™ Trizact™ Cloth Belt 307EA
Reduced loading on soft substrates	Aluminum/Brass/ Bronze/Copper	3M™ Trizact™ Cloth Belt 217EA
Polishing	All Metals	3M™ Trizact™ Cloth Belt 237AA



# dets 2

#### **3M<sup>™</sup> Trizact<sup>™</sup> Belt Availability Guide**

				Use								ΑC	Grade	<b>;</b>							
3M ID	Mineral	Backing	Description	Dry/ Wet	300	160	110	100	90	80	65	60	45	35	30	20	16	10	6	5	3
307EA		Flex J	Low-Med Pressure	Dry				•		•	•		•		•		•		•		
217EA	Aluminum Oxide	Flex J	Low Pressure	Dry				•		•	•		•		•		•		•		
237AA		Semi Flex X	Low-Med Pressure	Dry		•		•		•	•		•		•		•		•		

#### **Backing Types**

More ←	——— Flexibility ———	
J Weight	X Weight Y Weight	Z Weight
Low ←	Pressure —	



### 3M<sup>™</sup> Belts – Configurable stock numbers

The last step in the belt selection process is selecting the stock number for your belt. When selecting the 3M stock number, use the configurable 3M stock number below to order the unique sized belt you need. Additional part numbers can be found on 3M.com.

#### **CUBITR** NII

Configurable 3M Stock Numbers   Grade	High Pressure Belts   Heavy Stock Removal Belts						
7100007990 7100097257 7100007991 60+ 7100007992 80+ 7100082475 120+ 3M™ Cubitron™ II Cloth Belt 997F Configurable 3M Stock Numbers Grade 7100047372 36+ 3M™ Cubitron™ II Cloth Belt 994F Configurable 3M Stock Numbers Grade 7100047077 36+ 3M™ Cubitron™ II Cloth Belt 966F Configurable 3M Stock Numbers Grade 7100091845 20+ 7100091847 7100091849 36+ 7100091851 50+ 7100091853 60+ 3M™ Cubitron™ II Cloth Belt 967F Configurable 3M Stock Numbers Grade 7100091855 80+ 3M™ Cubitron™ II Cloth Belt 967F Configurable 3M Stock Numbers Grade 7100091857 24+ 7100091859 36+ 7100091861 50+ 7100091863	3M™ Cubitron™ II Cloth Be	lt 984F					
7100097257 7100007991 60+ 7100007992 80+ 7100082475 120+ 3M™ Cubitron™ II Cloth Belt 997F Configurable 3M Stock Numbers Grade 7100047372 36+ 3M™ Cubitron™ II Cloth Belt 994F Configurable 3M Stock Numbers Grade 7100047077 36+ 3M™ Cubitron™ II Cloth Belt 966F Configurable 3M Stock Numbers Grade 7100091845 20+ 7100091847 7100091849 36+ 7100091851 50+ 7100091853 60+ 3M™ Cubitron™ II Cloth Belt 967F Configurable 3M Stock Numbers Grade 7100091855 80+ 3M™ Cubitron™ II Cloth Belt 967F Configurable 3M Stock Numbers Grade 7100091857 24+ 7100091859 36+ 7100091861 50+ 7100091861 50+ 7100091863	Configurable 3M Stock Numbers	Grade					
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7100007992 7100082475 120+  3M™ Cubitron™ II Cloth Belt 997F  Configurable 3M Stock Numbers 7100047372 36+  3M™ Cubitron™ II Cloth Belt 994F  Configurable 3M Stock Numbers Grade 7100047077 36+  3M™ Cubitron™ II Cloth Belt 966F  Configurable 3M Stock Numbers Grade 7100091845 7100091847 24+ 7100091849 36+ 7100091851 50+ 7100091853 60+  3M™ Cubitron™ II Cloth Belt 967F  Configurable 3M Stock Numbers Grade 7100091855 80+  3M™ Cubitron™ II Cloth Belt 967F  Configurable 3M Stock Numbers Grade 7100091857 24+ 7100091859 36+ 7100091861 50+ 7100091863	7100097257	50+					
7100082475  3M™ Cubitron™ II Cloth Belt 997F  Configurable 3M Stock Numbers Grade  7100047372  36+  3M™ Cubitron™ II Cloth Belt 994F  Configurable 3M Stock Numbers Grade  7100047077  36+  3M™ Cubitron™ II Cloth Belt 966F  Configurable 3M Stock Numbers Grade  7100091845  7100091847  7100091849  36+  7100091851  50+  7100091853  60+  3M™ Cubitron™ II Cloth Belt 967F  Configurable 3M Stock Numbers Grade  7100091857  Configurable 3M Stock Numbers Grade  7100091859  36+  7100091859  36+  7100091861  50+  7100091863	7100007991	60+					
3M™ Cubitron™ II Cloth Belt 997F  Configurable 3M Stock Numbers Grade  7100047372 36+  3M™ Cubitron™ II Cloth Belt 994F  Configurable 3M Stock Numbers Grade  7100047077 36+  3M™ Cubitron™ II Cloth Belt 966F  Configurable 3M Stock Numbers Grade  7100091845 20+  7100091847 24+  7100091849 36+  7100091851 50+  7100091853 60+  7100091855 80+  3M™ Cubitron™ II Cloth Belt 967F  Configurable 3M Stock Numbers Grade  7100091857 24+  7100091859 36+  7100091861 50+  7100091863 60+	7100007992	80+					
Configurable 3M Stock Numbers       Grade         7100047372       36+         3M™ Cubitron™ II Cloth Belt 994F         Configurable 3M Stock Numbers       Grade         7100047077       36+         3M™ Cubitron™ II Cloth Belt 966F         Configurable 3M Stock Numbers       Grade         7100091845       20+         7100091849       36+         7100183933       40+         7100091851       50+         7100091853       60+         7100091855       80+         SM™ Cubitron™ II Cloth Belt 967F         Configurable 3M Stock Numbers       Grade         7100091857       24+         7100091861       50+         7100091863       60+	7100082475	120+					
7100047372       36+         3M™ Cubitron™ II Cloth Belt 994F         Configurable 3M Stock Numbers       Grade         7100047077       36+         3M™ Cubitron™ II Cloth Belt 966F         Configurable 3M Stock Numbers       Grade         7100091845       20+         7100091847       24+         7100091849       36+         7100091851       50+         7100091853       60+         7100091855       80+         3M™ Cubitron™ II Cloth Belt 967F         Configurable 3M Stock Numbers       Grade         7100091857       24+         7100091861       50+         7100091863       60+	3M™ Cubitron™ II Cloth Be	lt 997F					
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Configurable 3M Stock Numbers       Grade         7100047077       36+         3M™ Cubitron™ II Cloth Belt 966F         Configurable 3M Stock Numbers       Grade         7100091845       20+         7100091847       24+         7100091849       36+         7100183933       40+         7100091851       50+         7100091853       60+         3M™ Cubitron™ II Cloth Belt 967F         Configurable 3M Stock Numbers       Grade         7100091857       24+         7100091861       50+         7100091863       60+	7100047372	36+					
7100047077       36+         3M™ Cubitron™ II Cloth Belt 966F         Configurable 3M Stock Numbers       Grade         7100091845       20+         7100091847       24+         7100091849       36+         7100183933       40+         7100091851       50+         7100091853       60+         7100091855       80+         3M™ Cubitron™ II Cloth Belt 967F         Configurable 3M Stock Numbers       Grade         7100091857       24+         7100091861       50+         7100091863       60+	3M™ Cubitron™ II Cloth Be	lt 994F					
3M <sup>™</sup> Cubitron <sup>™</sup> II Cloth Belt 966F  Configurable 3M Stock Numbers Grade  7100091845 20+  7100091847 24+  7100091849 36+  7100183933 40+  7100091851 50+  7100091855 80+  3M <sup>™</sup> Cubitron <sup>™</sup> II Cloth Belt 967F  Configurable 3M Stock Numbers Grade  7100091857 24+  7100091859 36+  7100091861 50+  7100091863 60+	Configurable 3M Stock Numbers	Grade					
Configurable 3M Stock Numbers         Grade           7100091845         20+           7100091847         24+           7100091849         36+           7100183933         40+           7100091851         50+           7100091853         60+           7100091855         80+           3M** Cubitron** II Cloth Belt 967F           Configurable 3M Stock Numbers         Grade           7100091857         24+           7100091859         36+           7100091861         50+           7100091863         60+	7100047077	36+					
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3M™ Cubitron™ II Cloth Belt 967F  Configurable 3M Stock Numbers Grade  7100091857 24+  7100091859 36+  7100091861 50+  7100091863 60+	7100091853	60+					
Configurable 3M Stock Numbers         Grade           7100091857         24+           7100091859         36+           7100091861         50+           7100091863         60+	7100091855	80+					
7100091857	3M™ Cubitron™ II Cloth Be	lt 967F					
7100091859 <b>36+</b> 7100091861 <b>50+</b> 7100091863 <b>60+</b>	Configurable 3M Stock Numbers	Grade					
7100091861 <b>50+</b> 7100091863 <b>60+</b>	7100091857	24+					
7100091863 <b>60+</b>	7100091859	36+					
	7100091861	50+					
7100091865	7100091863	60+					
	7100091865	80+					

Medium Pressure Belts   Stock R	emoval & Blending			
3M™ Cubitron™ II Cloth Belt 784F				
Configurable 3M Stock Numbers	Grade			
7100171629	36+			
7100091823	50+			
7100091825	60+			
7100091827	80+			
7100091829	120+			
7100091831	150+			
7100091833	180+			
3M™ Cubitron™ II Cloth Belt 981F				
Configurable 3M Stock Numbers	Grade			
7100138642	36+			
7100138643	40+			
7100138645	60+			
3M™ Cloth Belt 384F				
Configurable 3M Stock Numbers	Grade			
7100091777	36+			
7100091779	50+			
7100091799	60+			
7100091802	80+			
7100091804	120+			
7100091806	150+			
7100091808	180+			
7100091813	220+			
7100091815	240+			
7100091817	P320			
7100091819	P400			

Low Pressure Belts   Stock Removal & Blending					
3M™ Cubitron II Cloth Belt 947A		3M™ Cubitron™ II Clot	3M™ Cubitron™ II Cloth Belt 723D		
Configurable 3M Stock Numbers	Grade	Configurable 3M Stock Numbers	Grade		
7100171627	40+	710009304	100+		
7100023234	60+	7100091835	120+		
7100023179	80+	7100091837	150+		
7100023178	120+	7100091839	180+		
R I		7100091841	220+		



Surface (	Conditioning			
Scotch-Brite™ DF Surface Conditioning Belt				
Configurable 3M Stock Numbers	Grade	Backing		
7100012444	A FIN	Low Stretch		
7100013155	A MED	Low Stretch		
7100013687	A CRS	Low Stretch		
Scotch-Brite <sup>™</sup> SC Surface Conditioning Belt				
Configurable 3M Stock Numbers	Grade	Backing		
7100012618	S SFN	Low Stretch		
7100012150	SVFN	Low Stretch		
7100000134	AVFN	Low Stretch		
7100051141	S MED	Low Stretch		
7100171628	A MED	Low Stretch		
7100013507	A CRS	Low Stretch		
7100013611	AVFN	Film Backed		
7100012858	A MED	Film Backed		
7100012561	A CRS	Film Backed		
7100012085	A SFN	Scrim Backed		
7100012347	AVFN	Scrim Backed		
7100012358	A MED	Scrim Backed		
7100013534	A CRS	Scrim Backed		
Scotch-Brite™ SE Surface Conditioning Belt				
Configurable 3M Stock Numbers	Grade	Backing		
7100013404	A FIN	Low Stretch		
7100013547	A MED	Low Stretch		
7100051144	A CRS	Low Stretch		
7100051147	A FIN	Scrim Backed		
7100051143	A MED	Scrim Backed		
7100013747	A CRS	Scrim Backed		

| 100091841 | 220+

#### **Trizact**<sup>TM</sup>

Consistent Finishes				
3M <sup>™</sup> Trizact Cloth Belt 307EA				
Configurable 3M Stock Numbers	Grade			
7100052733	A6			
7100052732	A16			
7100052731	A30			
7100052730	A45			
7100052729	A65			
7100052728	A80			
7100112315	A100			
3M™ Trizact™ Cloth Belt 217EA				
Configurable 3M Stock Numbers	Grade			
7100052788	A6			
7100052787	A16			
7100052786	A30			
7100052768	A45			
7100052769	A65			
7100052770	A80			
7100052771	A100			
3M™ Trizact™ Cloth Belt 237AA				
Configurable 3M Stock Numbers	Grade			
7100007882	A6			
7100007878	A16			
7100007880	A30			
7100007881	A45			
7100007883	A65			
7100007884	A80			
7100007877	A100			
7100007879	A160			

# Not finding what you're looking for?

These are some of our premium, most popular belts for the metalworking industry, and we have hundreds more to choose from to meet the exact specifications of your application. For additional belt sizes, contact your local rep for ordering information.

Visit 3M.com/abrasivebelts to learn more.

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