#### The services of the 3M CAM Center include application development, process optimization, operator training and other technical support. Please contact your local 3M representative for more information.



#### Important Notice to Purchaser

**3**M

**3M Abrasive Systems Division** 

3M Center, Building 223-6S-03

St. Paul, MN 55144-1000

www.3M.com/woodbelt

Product Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application. Warranty, Limited Remedy, and Disclaimer: Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price. Limitation of Liability: Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

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61-5002-8343-9

## Product *INNOVATION* is just the beginning.

The 3M Customer Abrasive Methods (CAM) Center was established to help customers identify the most cost-effective combination of abrasives equipment and techniques for their particular applications. At the 3M CAM Center, evaluations are carried out under controlled, repeatable conditions using a wide array of production equipment as well as in our on-site research and testing laboratories.

The CAM Center is a 30,000 sq. foot facility that houses over 80 industrial grade machines as well as portable tools for any application. The facility is dedicated to developing surface modification solutions that improve customer processes.

#### Learn from Industry Leading Experts



www.3M.com/woodworking

F-mail us at **3MIndustrial@** For additional 3M product information or material data sheets contact us at 866-279-1235 or visit go.3M.com/MSDS

## The 3M<sup>TM</sup> Cubitron<sup>TM</sup> II Difference...



faster cut rates and longer belt life. current belt, while enjoying significantly can use a similar or finer grade than your durability of 3M<sup>TM</sup> Cubitron<sup>TM</sup> II Belts, you Because of the enhanced efficiency and

## -CUBITR&N'II

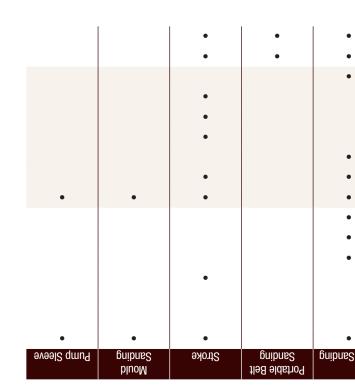
than other competitive belts. is a belt that cuts faster, stays cooler and lasts longer fractures to form sharp points and edges. The result As the triangular-shaped grain wears, it continuously structures pioneered in 3M<sup>TM</sup> Trizact<sup>TM</sup> Abrasives. technology with the precise microreplicated material properties of our precision shaped grain 3M<sup>TM</sup> Cubitron<sup>TM</sup> II Belts combine the advanced

#### Conventional

in a slower cut, shorter belt life and undesirable effects, such as burnishing. wood causing heat to build up in the workpiece and the abrasive — resulting Instead of a clean machining action, the grain will tend to "plow" through the Conventional abrasive grains are irregular and blocky in shape.

## 3M<sup>TM</sup> Cubitron<sup>TM</sup> II Abrasive Belt Selection Guide

provements	ml Isitneto9	Recommended	
Sequence Steps Reduced	Faster Cut, Longer Life	3M <sup>™</sup> Cubitron <sup>™</sup> II Replacement	Conventional Product Grade
	•	+96	54
	•	+95	36
•		+09	00
	•	+96	40
•		+09	05
	•	+95	
	•	+09	90
•		+08	
	•	+09	09
•		+08	00
	•	+08	08
	•	+08	100



#### Backings – Cloth/Paper Strength

Weight
Paper
Î ≥ ≧
engt
E Str
Increasing Strength/
crea
= 8

Heavier backings = coarser grits for dimensioning or stock removal Lighter backings = finer grits for finishing or blending

\_ighter Backing

Heavier Backing





65" & 67"

Single-Splice Belts Available!



Generation of

Woodworking Solutions



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3M<sup>™</sup> Woodworking Abrasive Belt Portfolio Introducing **3M<sup>™</sup> Cubitron<sup>™</sup> II 991FZ, 990FZ** and **3M<sup>™</sup> 490FZ Belts** for Demanding Applications

Complete Line of Woodworking Belts

3M<sup>TM</sup> Woodworking Belt Selection Guide

Edge	Sanding	Backing	3M ID	
		ſ	Z0006	
	•	Y	5096	
	•	Y	9636	Ract
	•	F	ZN996	Best
	•	X or Y	Z0026	
	•	Y or Z	Z±066 🐠	
	•	Y or Z	ZJ166 😥	
		ſ	202DZ	
	•	Х	A046	
	•	Y	ZODZE	
	•	E	2049S	Better
	•	E	ZN998	
	•	E	ZN997	
	•	Y or Z	Z4067 💷	
	•	Х	340D	eneral Use
	•	X	341D	

**Grades** 

									ι	iosin	edw	၀၁ ခု	Grad	for	agec	l txər	† Refer to r
										Ŧ	Ŧ			Ŧ			Z3166
										Ŧ	Ŧ			Ŧ			Z <del>J</del> 066
					•	٠	•	•	•	•	٠	•	٠	•	٠		Z0026
								•	•	•	•	•	•	•	•	•	9636
											٠	٠	٠	٠	٠		9096
					•	•	•	•	•	•	•						Z0006
					•	٠	•	•	•	٠	٠	٠	٠	٠	٠		Z-1064
					•	٠	•	•	•	•	٠	٠	٠	٠			320DZ
	٠	٠		•		٠	٠	•	٠	٠	٠	٠	٠	٠	٠		341D
					•	•	٠	•	٠	•	٠	٠					340D
						٠	٠	•	٠	٠							A046
		•			•	•	•	•	•	٠							2020Z
					•	٠	٠	•	٠	٠							ZN996
•	٠	•	•	•	•	•	•	•									ZU334
	٠	٠	•	•	•	٠	٠	•	٠	٠	٠						ZN99E
					•	•	•	•	•	•							20492
P600	P400	P320	P280	P240	P220	P180	P150	P120	P100	80/P80	60/P60	50	40	36	24	20	Belt

# Pl () pue UOIJEVOUU Commitment to

finish, and provide enhanced anti-static performance. and engineered to extend abrasive life, improve cut and 3M offers a complete line of woodworking belts designed



#### Investing in Industry

dramatically increase overall productivity per belt. has re-formulated its woodworking belt construction to Alexandria, Minnesota, 3M has reinvested in the USA and With our newest state-of-the-art manufacturing facility in



# 3M<sup>TM</sup> Belts for Woodworking

Available Grades

80

P100

P120

P150

P180

P220

Available Grades

80

P120

P150

P180 🗶

60 P220

P100 P280

P240

P320

P400

# **Paper Belts**



## 3M<sup>™</sup> Belt 364UZ

A premium aluminum oxide, open coat abrasive belt constructed on an F wt. paper backing. Features a static resistant treatment. An open coat belt that provides good cut,

- consistent finish and less loading
- Excellent long lasting paper belt
- Enhanced anti-static properties reduce airborne dust levels when coupled with an efficient dust collection system

#### 3M<sup>™</sup> Belt 366UZ

A premium aluminum oxide, closed coat abrasive belt constructed on an F wt. paper backing. Features a static resistant treatment. • A closed coat belt that provides a finer finish than open

- coat belts • Excellent long lasting paper belt
- Enhanced anti-static properties reduce airborne dust levels when coupled with an efficient dust collection system

# **Cloth Belts**



#### 3M<sup>™</sup> Belt 202DZ

An aluminum oxide, open coat abrasive belt constructed on a flexible J wt. backing. Resin bonded. Features a static resistant treatment.

- Used for edge, stroke, mould, or pump sleeve sanding applications
- Open coat construction
- Flexible backing perfect for contour sanding
- Features static resistant treatment—reduces loading, offers longer life and a cleaner work piece

#### 3M<sup>™</sup> Belt 340A

A premium aluminum oxide, open coat abrasive belt

constructed on a stiff X wt. backing. Resin bonded.

3M<sup>™</sup> Belt 340D/341D

durable X wt. backing. Resin bonded.

- Premium mineral to extend abrasive life Open coat construction provides good cut with less loading
- Excellent abrasive choice when a belt with low-stretch is required
- Recommended applications include wide belt, edge or
- stroke sanding Washable backing

- utilizing premium minerals to extend abrasive life • Recommended applications include wide belt, edge or portable belt sanding
- 340D features a washable backing and open coat

Premium aluminum oxide abrasive belt, open coat

• Good general purpose belts for all types of wood

• Excellent all-around abrasive belts for everyday use,

(340D) or closed coat (341D), constructed on a

- construction, providing good cut with less loading
- 341D features a closed coat construction, providing a consistent finish

#### **3M<sup>™</sup> Belt 370DZ**

A premium aluminum oxide, open coat abrasive belt constructed on a durable Y wt. cloth backing. This resin bonded abrasive features an antistatic treatment that helps reduce premature loading of the abrasive.

- Recommended applications include wide belt and edge sanding applications • Designed for rough to finish wood sanding operations
- where premature loading or clogging may be a problem Washable backing
- Excellent product for rough sanding to fine

3M.com/woodbelt

finishing applications

Available Grades	
80	
P100	
P120	
P150	
P180	
P220	
P320	

Available Grades
80
P100
P120
D / F 0

Ava	Available Grades						
340D	34	1D					
50	24	P150					
60	36	P180					
80	40	P240					
P100	50	P320					
P120	60	P400					
P150	80						
P180	P100						

Available	e Grades	
36	P100	
40	P120	
50	P150	
60	P180	
80	P220	





#### 3M<sup>™</sup> Belt 466UZ

A silicon carbide abrasive belt constructed on an F wt. paper backing. Features a static resistant treatment.

- Silicon carbide mineral provides an excellent finish • Enhanced anti-static properties reduce airborne dust levels when coupled with an efficient dust collection system
- Static resistant treatment reduces loading and offers longer belt life
- Extended grade range to facilitate all of your fine finishing needs



- A premium 3M<sup>™</sup> Ceramic Abrasive Grain belt constructed on an F wt. paper backing. Features a static resistant treatment. • 3M Ceramic Abrasive Grain provides an extremely long life and
- uniform finish • Enhanced anti-static properties reduce airborne dust levels when
- coupled with an efficient dust collection system Static resistant treatment reduces loading and offers longer belt life

Available up to 65" wide as a single-splice belt.

A premium 3M<sup>™</sup> Ceramic Abrasive Grain, open coat belt constructed on a flexible J wt. cloth backing. This resin bonded abrasive features antistatic properties which reduce premature loading of the belts and assist in proper dust collection when used with an efficient dust collection system.

- 3M Ceramic Abrasive Grain provides extremely long life and uniform finish
- Best used for edge, stroke, mould, or pump sleeve sanding applications

#### 3M<sup>™</sup> Belt 960G

3M<sup>™</sup> Belt 900DZ

A premium 3M<sup>™</sup> Ceramic Abrasive Grain, open coat belt constructed on a heavy duty Y wt. cloth backing. This resin bonded abrasive is designed for applications requiring high stock removal rates.

- 3M Ceramic Abrasive Grain provides extremely long life and uniform finish
- Best used for wide belt sanding applications

#### 3M<sup>™</sup> Belt 963G

A premium 3M<sup>™</sup> Ceramic Abrasive Grain, closed coat belt constructed on a heavy duty Y wt. cloth backing. This resin bonded abrasive is designed for applications requiring high stock removal rates.

- 3M Ceramic Abrasive Grain provides extremely long life and uniform finish
- Best used for wide belt sanding applications

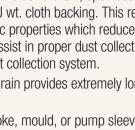
#### 3M<sup>™</sup> Belt 970DZ

A premium 3M<sup>™</sup> Ceramic Abrasive Grain, open coat belt constructed on a stiff Y wt. or X wt. (depending upon grade) cloth backing. This resin bonded abrasive features antistatic properties which reduce premature loading of the belts and assist in proper dust collection when used with an efficient dust collection system.

- 3M Ceramic Abrasive Grain provides extremely long life and uniform finish
- Performs well on all wood types
- Reduced burning when performing "end-grain"
- Best used for wide belt or edge sanding applications









Cloth Bel



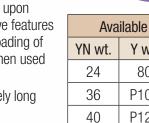




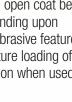


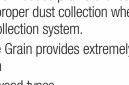


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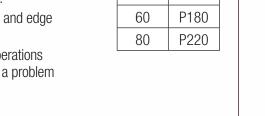


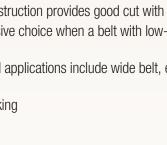




- sanding applications

Washable backing

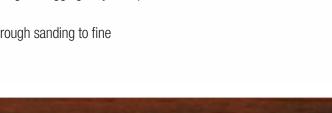












P100	50	P320
P120	60	P400
P150	80	

P220 P120

P150 P180

# Extending Abrasive Life! Improving Cut & Finish!

We pride ourselves on the quality of our splice!

# Try our NEW Woodworking App

Do you wash your belts?

Add Wash Belts » to your belt order for a complimentary

splice upgrade!

Find the right 3M product for your application using the NEW 3M Woodworking App. Our app includes product images, product details, videos, literature, and a link to find an authorized 3M distributor in your area.



Available on the App Store<sup>sh</sup>



NEW!

NEW!

#### Premium Cloth Belt **Available Grades** 20 40 50 24 36 60

Available Grades

P120 P280

P150 | P320

P180 P400

P220 P600

P240

Premium Paper Belt

**Available Grades** 

80

P100

P120

P150

P180 P220



ilable Grades						
4	60					
6	80					
0	100					
0	120					

Premium Cloth Belt						
Available Grades						
'N wt.	Y wt.	X wt.				
24	80	P180				
36	P100	P220				
40	P120					
50	P150					

#### **3M<sup>™</sup> Belt 490FZ** A silicon carbide abrasive belt constructed on a heavy duty ZF or YF cloth backing. Features a static resistant treatment.

- Silicon carbide mineral provides a sharp
- cut and an excellent finish • Platen compatible YF polyester backing • Enhanced anti-static properties reduce
- airborne dust levels when coupled with an efficient dust collection system
- Static resistant treatment reduces loading and offers longer belt life

#### 3M<sup>™</sup> Cubitron<sup>™</sup> II Belt 990FZ Cubitron<sup>™</sup> II Belts are made with revolutionary 3M precision shaped grain technology constructed on a heavy duty ZF or YF cloth

- backing. Features a static resistant treatment. • 3M precision shaped grain continuously fractures to form sharp points
- and edges to increase stock removal Open coat construction increases
- cut rate and reduces loading • Platen compatible YF polyester backing
- Enhanced anti-static properties reduce airborne dust levels when coupled with an efficient dust collection system
- Static resistant treatment reduces loading and offers longer belt life

### 3M<sup>™</sup> Cubitron<sup>™</sup> II Belt 991FZ

Cubitron<sup>™</sup> II Belts are made with revolutionary 3M precision shaped grain technology constructed on a heavy duty ZF or YF cloth backing. Features a static resistant treatment.

- 3M precision shaped grain continuously fractures to form sharp points and edges to increase stock removal
- Closed coat construction extends abrasive belt life and provides a uniform finish
- Platen compatible YF polyester backing • Enhanced anti-static properties reduce airborne dust levels when coupled with an efficient dust collection system
- Static resistant treatment reduces
- loading and offers longer belt life

Available up to 67" wide as a single-splice belt.

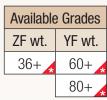
P24 \star	P60 🗶	P150 🔒
P36 🔸	P80 🔒	P180
P40 🗙	P100	P220
P50 🔸	P120 🗙	

Available Grades

YF wt.

ZF wt.

### 



## 

