



# Cubitron™ 3

Performance Abrasives

# Produce more, with less.

## 3M™ Cubitron™ 3 Belts, re-engineered.

Get the edge you need to get more done  
with the latest in abrasive technology.

**New era**


**3M™ Cubitron™ 3 Cloth Belt 1184F**

featuring re-engineered 3M Precision-Shaped Grain,  
taking the legendary speed and life of 3M™ Cubitron™  
Performance Abrasives to a whole new level.

**This new belt delivers faster cut rate and longer life  
compared to crushed ceramic competitors—  
providing the ultimate in performance.**

**Available in grits  
36+, 60+, 80+**

**3M™ Cubitron™ 3 Cloth Belt 1184F**



**36+ for High Stock Removal**

Ideal for applications like gate grinding, surface grinding, weld removal and beveling.

**60+, 80+ for Moderate Stock Removal**

Ideal for low to medium applications like deburring and blending.

## A new spin on saving time and labor costs.

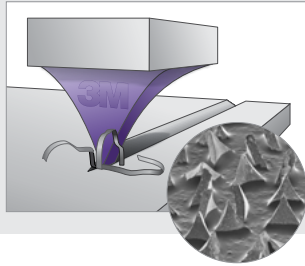
Long-lasting belts engineered to cut fast with high stock removal. Benefits include:

- ▶ **Faster Cut**  
Long lasting and faster cutting belts help increase productivity and your bottom line
- ▶ **Longer Life**  
Fewer changeouts needed and less downtime
- ▶ **Cool Cutting**  
Runs cooler with less pressure required, reducing metal discoloration and risk of stress cracks
- ▶ **Grinding Aid**  
Extra coating to reduce heat when grinding on heat sensitive metals, like nickel and stainless steel

## 3M reshaped and improved 3M Precision-Shaped Grain.

- ▶ Conventional ceramic abrasive grain tends to “plow” through metal, causing heat to build up in the workpiece and abrasive, resulting in a slower cut and shorter abrasive life.
- ▶ 3M pioneered the first precision-shaped grain using 3M microreplication technology to form consistent sharp peaks that easily “slice” through metal—cutting cooler, faster, and lasting longer than conventional abrasive grain.

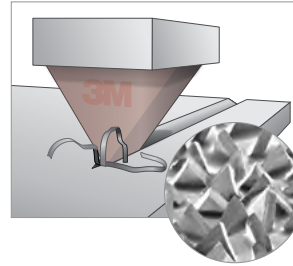
Our latest 3M Precision-Shaped Grain



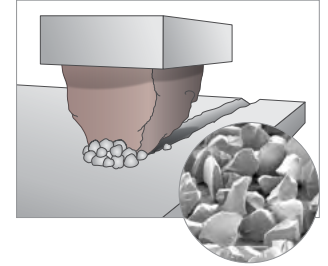
**3M** | **Cubitron™ 3**  
Performance Abrasives

Re-engineered precision-shaped ceramic triangular grain using a proprietary breakthrough in grain shape. This helps increase productivity and lower overall grinding costs.

3M Precision-Shaped Grain



Conventional ceramic abrasive

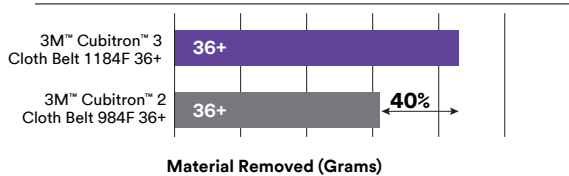


## A new era of abrasive performance is here.

The first time you use the 3M™ Cubitron™ 3 Cloth Belt 1184F, with re-engineered 3M Precision-Shaped Grain, you'll instantly notice the difference. We've taken the legendary cutting speed and life of 3M™ Cubitron™ Performance Abrasives to a new level—outperforming our original 3M™ Cubitron™ 2 Cloth Belt 984F.

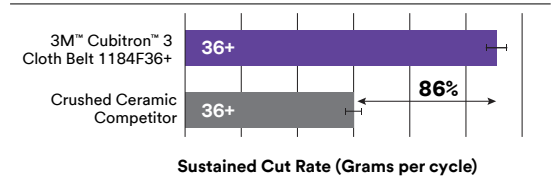
36+

Up to **40%**  
more material removed compared to  
3M™ Cubitron™ 2 Belt 984F



Results based on an automated, 10-minute grinding test on 304 stainless steel using 36" long belts. Total material removed: the total material removed in grams at 40 cycles.

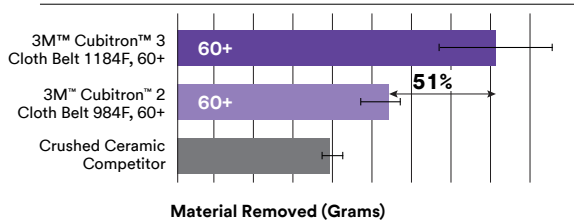
Up to **86%**  
faster sustained cut rate compared to a  
crushed ceramic competitor



Results based on an automated, 10-minute grinding test on 304 stainless steel using 36" long belts. Error bars = 95% confidence interval. Cut rate: the total material removed in grams after 10 cycles minus total material removed in grams after 3 cycles divided by seven cycles. The unit is grams/cycles.

60+

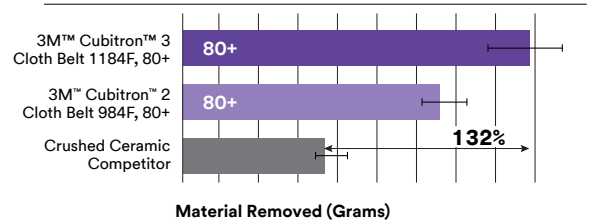
Up to **51%**  
more material removed compared to  
3M™ Cubitron™ 2 Belt 984F



Results based on an automated, 12-minute grinding test on 304 stainless steel using 36" long belts. Total material removed: The total material removed in grams at 45 cycles. Error bars = 95% confidence interval. Cut rate: The total material removed in grams after 10 cycles minus total material removed in grams after 3 cycles divided by seven cycles. The unit is grams/cycles.

80+

Up to **132%**  
more material removed compared to a  
crushed ceramic competitor



Results based on an automated, 12-minute grinding test on 304 stainless steel using 36" long belts. Total material removed: The total material removed in grams at 45 cycles. Error bars = 95% confidence interval. Cut rate: The total material removed in grams after 10 cycles minus total material removed in grams after 3 cycles divided by seven cycles. The unit is grams/cycles.

### Applications:

#### All grades\*

- ▶ Gate Grinding
- ▶ Material Stock Removal
- ▶ Weld Removal
- ▶ Surface Grinding or Finishing
- ▶ Robotic or Automatic Grinding Systems
- ▶ Beveling
- ▶ Deburring
- ▶ Dimensioning

#### 36+ only

- ▶ Rapid Grinding Systems
- ▶ Heavy Stock Removal
- ▶ Pipe Notching

### Ideal Substrates:

- ▶ Stainless Steel
- ▶ Cobalt and Nickel Alloys
- ▶ Titanium
- ▶ Carbon Steel
- ▶ Cast Iron

\*Note: the size and amount of material removed varies with the grit size.

# Reaching new levels of cut performance.

## Product Ordering Information

We have various belt options to choose from to meet your exact specifications for your applications.

For additional belt sizes, contact your local rep for ordering information.



Bench Top / Small Belts				
3M Stock No.	UPC	Width x Length (In)	Grade	Min/Case
7100350490	06-38060-64055-5	1 x 72	60+	200
7100315931	06-38060-62789-1	2 x 60	36+	50
7100315929	06-38060-62787-7	2 x 72	36+	50
7100354014	00-68060-67137-0	2 x 72	80+	50
7100315932	06-38060-62790-7	2-1/2 x 60	36+	50
7100350514	00-638060-64059-3	2-1/2 x 72	60+	50
7100327370	00-638060-63313-7	3-1/2 x 15-1/2	36+	50
7100358075	00-68060-67125-7	3-1/2 x 15-1/2	60+	50
7100354016	00-68060-67131-8	3-1/2 x 15-1/2	80+	50
7100354091	06-38060-64056-2	4 x 60	60+	50
7100316194	06-38060-62792-1	6 x 48	36+	20
7100354021	00-68060-67122-6	6 x 48	60+	20



Medium/Long Belts				
3M Stock No.	UPC	Width x Length (In)	Grade	Min/Case
7100316196	06-38060-62794-5	1 x 90	36+	100
7100317269	06-38060-66598-0	1 x 132	36+	100
7100354020	00-68060-67123-3	1 x 132	60+	200
7100354017	00-68060-67134-9	1 x 132	80+	200
7100317499	06-38060-66601-7	2 x 90	36+	50
7100315930	06-38060-62788-4	2 x 118	36+	50
7100317265	06-38060-66594-2	2 x 132	36+	50
7100358076	00-68060-67127-1	2 x 132	60+	50
7100358079	00-68060-67136-3	2 x 132	80+	50
7100317501	06-38060-66600-0	3 x 90	36+	50
7100317267	06-38060-66595-9	3 x 132	36+	25
7100358077	00-68060-67126-4	3 x 132	60+	25
7100358078	00-68060-67133-2	3 x 132	80+	25
7100317507	06-38060-66604-8	4 x 90	36+	50
7100317266	06-38060-66596-6	4 x 132	36+	25
7100358080	00-68060-67138-7	4 x 132	80+	25
7100317496	06-38060-66602-4	4 x 168	36+	25
7100354092	06-38060-64057-9	4 x 168	60+	50
7100316193	06-38060-62791-4	5 x 132	36+	25
7100317500	06-38060-66603-1	6 x 90	36+	20
7100317498	06-38060-66599-7	6 x 132	36+	10
7100331816	06-38060-62799-0	6 x 138	36+	10
7100350513	06-38060-64058-6	8 x 132	60+	50
7100350515	00-638060-64060-9	6 x 264	80+	20



File / Portable Belts				
3M Stock No.	UPC	Width x Length (In)	Grade	Min/Case
7100331234	06-380606-3503-2	1/2 x 13	36+	200
7100317560	06-38060-66605-5	1/2 x 18	36+	200
7100354022	00-68060-67124-0	1/2 x 18	60+	200
7100354016	00-68060-67131-8	1/2 x 18	80+	200
7100317516	06-38060-66606-2	1/2 x 24	36+	200
7100354019	00-68060-67121-9	1/2 x 24	60+	200
7100354018	00-68060-67135-6	1/2 x 24	80+	200
7100317510	06-38060-66607-9	3/4 x 18	36+	200
7100354015	00-68060-67120-2	3/4 x 18	60+	200
7100358081	00-68060-67129-5	3/4 x 18	80+	200
7100354143	00-68060-67128-8	1 x 11	60+	500
7100354144	00-68060-67132-5	1 x 11	80+	500



Custom Sizes*				
3M Stock No.	UPC	Width x Length (In)	Grade	Min/Case
7100313150	06-38060-66475-4	Custom Size	36+	N/A
7100330154	00-68060-66866-0	Custom Size	60+	N/A
7100330153	00-68060-66865-3	Custom Size	80+	N/A

\*Belts are also available in made-to-order sizes.

\*\*List is not exhaustive, more discrete belt sizes might be available in the future.

Get the belts that get more done at [3M.com/Ab abrasiveBelts](http://3M.com/Ab abrasiveBelts)



**3M Abrasive Systems**  
**3M Center, Building 223-6N-02**  
**St. Paul, MN 55144 USA**

Phone 1-866-279-1235  
 Web [3M.com/abrasives](http://3M.com/abrasives)

**Product Selection and 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. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property. **Disclaimer:** 3M industrial and occupational products are intended, labeled, and packaged for sale to trained industrial and occupational customers for workplace use. Unless specifically stated otherwise on the applicable product packaging or literature, these products are not intended, labeled, or packaged for sale to or use by consumers (e.g., for home, personal, primary or secondary school, recreational/sporting, or other uses not described in the applicable product packaging or literature), and must be selected and used in compliance with applicable health and safety regulations and standards (e.g., U.S. OSHA, ANSI), as well as all product literature, user instructions, warnings, and other limitations, and the user must take any action required under any recall, field action or other product use notice. Misuse of 3M industrial and occupational products may result in injury, sickness, death, or property damage. For help with product selection and use, consult your on-site safety professional, industrial hygienist, or other subject matter expert. For additional product information, visit [www.3M.com](http://www.3M.com). **Warranty and Limited Remedy:** Unless a different warranty is specifically stated on the applicable 3M product packaging or product literature (in which case such warranty governs), 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, FITNESS FOR A PARTICULAR PURPOSE, OR ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. If a 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 for the limited remedy stated above, and except to the extent prohibited by law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.

3M and Cubitron are trademarks of 3M Company. All other trademarks are property of their respective owners. © 3M 2023. All rights reserved. 61-5005-0005-5

**3M Abrasive Products are for industrial use only.**