



# 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, 36+** 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+ 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 labour 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 discolouration and risk of stress cracks

▶ **Grinding aid**

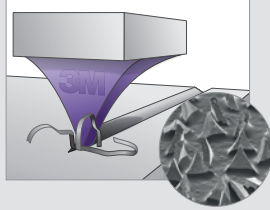
Extra coating to reduce heat when grinding on heat sensitive metals, like nickel and stainless steel INOX and contaminant free



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

- ▶ Conventional ceramic abrasive grain tends to plough 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

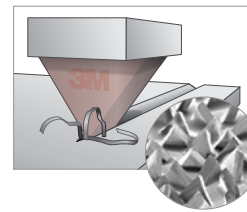
Our latest 3M™ Precision-Shaped Grain



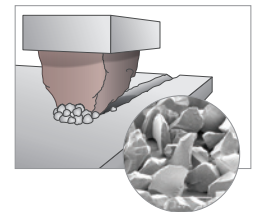
**3M** Cubitron™ 3  
Performance Abrasives

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

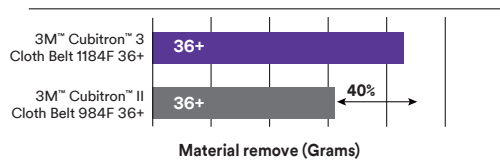


## A new era of abrasive performance is here.

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™ II Cloth Belt 984F.

36+

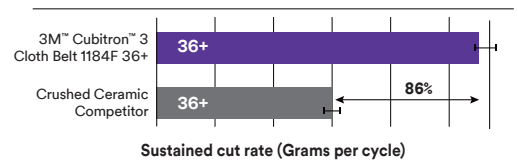
Up to **40%**  
more material removed compared to  
**3M™ Cubitron™ II Belt 984F**



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%**

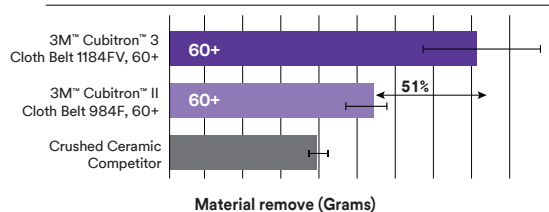
faster sustained cut rate compared to  
a crushed ceramic competitor



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+

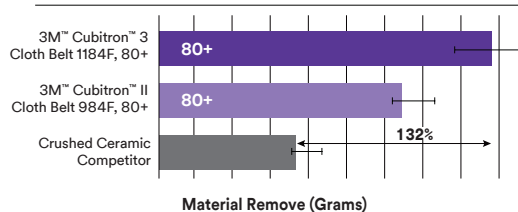
Up to **51%**  
more material removed compared to  
**3M™ Cubitron™ II Belt 984F**



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  
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 and automated 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.



### Standard narrow belts

3M stock number	Width x length (mm)	Grade	Min/case
7100329006	50 x 2000mm	36+	30
7100329005	50 x 2500mm	36+	30
7100329004	50 x 3500mm	36+	30
7100329003	50 x 4000mm	36+	30
7100326912	75 x 2000mm	36+	20
7100329009	75 x 2500mm	36+	20
7100329010	75 x 3000mm	36+	20
7100329013	100 x 2000mm	36+	20
7100329014	100 x 1220mm	36+	20
7100329012	100 x 3000mm	36+	20
7100329011	120 x 2500mm	36+	10
7100329043	150 x 2000mm	36+	10
7100329044	150 x 3500mm	36+	10
7100376226	50 x 2000mm	60+	30
7100376274	150 x 2000mm	60+	10
7100376274	150 x 2000mm	60+	10
7100376228	75 x 2000mm	80+	20
7100376229	150 x 2000mm	80+	10



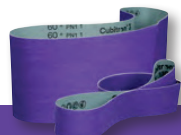
### Wide belts

3M stock number	Width x length (mm)	Grade	Min/case
7100329877	1320 x 2150mm	36+	1
7100330065	1320 x 2620mm	36+	1
7100329878	1370 x 2090mm	36+	1



### File/portable belts

3M stock number	Width x length (mm)	Grade	Min/case
7100329008	13 x 457mm	36+	100
7100329007	13 x 610mm	36+	100
7100376275	10 x 330mm	60+	100
7100376232	12 x 330mm	60+	100
7100376277	13 x 457mm	60+	100
7100376227	13 x 610mm	60+	100
7100376276	20 x 520mm	60+	100
7100376278	12 x 330mm	80+	100
7100376231	13 x 457mm	80+	100
7100376230	20 x 520mm	80+	100



### Custom sizes

3M stock number	Width x length (mm)	Grade	Min/case
7100313150	Config.	36+	N/A
7100330154	Config.	60+	N/A
7100330153	Config.	80+	N/A

## Get the belts that get more done at [3M.com.uk/Abrasive](https://www.3M.com.uk/Abrasive)

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