



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+, 120+**

3M™ Cubitron™ 3 Cloth Belt 1184F



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

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 dimensioning.

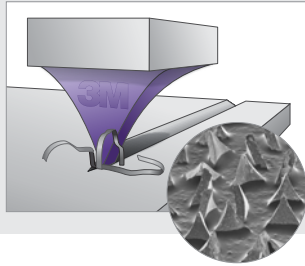
120+ for Moderate Stock Removal

Ideal for applications like blending and finishing.

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.

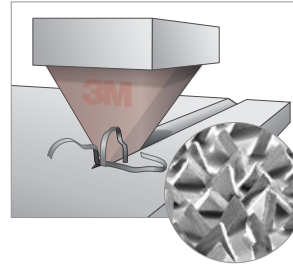
Our latest 3M Precision-Shaped Grain



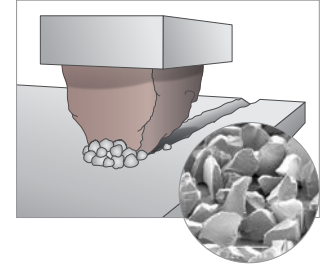
3M | **Cubitron™ 3**
Performance Abrasives

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

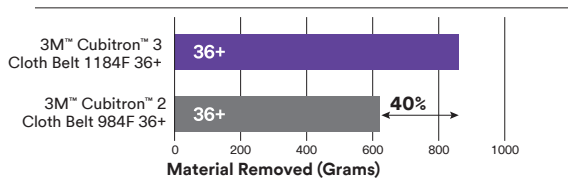


A new era of abrasive performance is here.

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.

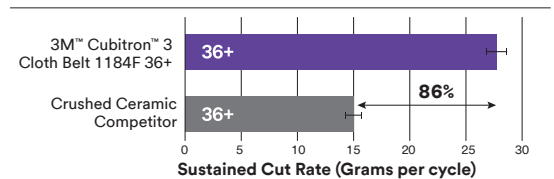
36+

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.

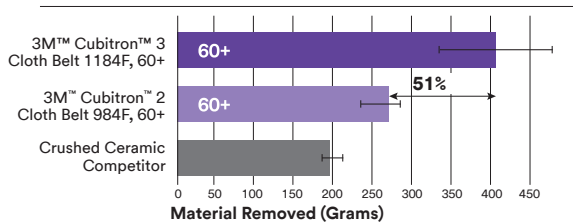
Up to **86%**
faster sustained cut rate compared to a
crushed ceramic competitor



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/cycle.

60+

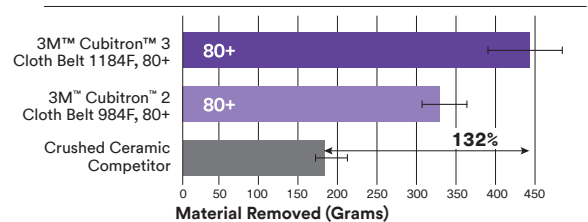
Up to **51%**
more material removed compared to
3M™ Cubitron™ 2 Belt 984F



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/cycle.

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/cycle.

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.

3M™ Cubitron™ 3 Cloth Belt 1184F – Medium / Long Belts			
3M ID	Grade	Width x Length (In)	Min/Case
7100364448	60+	2 x 48	50
7100364463	80+	2 x 48	50
7100422026	120+	2 x 48	50
7100316194	36+	6 x 48	20
7100354021	60+	6 x 48	20
7100422049	120+	6 x 48	20
7100315931	36+	2 x 60	50
7100386231	60+	2 x 60	50
7100422041	120+	2 x 60	50
7100315929	36+	2 x 72	50
7100396306	60+	2 x 72	50
7100354014	80+	2 x 72	50
7100422027	120+	2 x 72	50
7100317499	36+	2 x 90	50
7100317507	36+	4 x 90	50
7100422025	120+	4 x 90	50
7100315930	36+	2 x 118	50
7100422046	120+	2 x 118	50
7100317265	36+	2 x 132	50
7100358076	60+	2 x 132	50
7100358079	80+	2 x 132	50
7100422052	120+	2 x 132	50
7100317267	36+	3 x 132	25
7100358077	60+	3 x 132	25
7100358078	80+	3 x 132	25
7100422024	120+	3 x 132	25
7100317266	36+	4 x 132	25
7100360240	60+	4 x 132	25
7100358080	80+	4 x 132	25
7100422028	120+	4 x 132	25
7100316193	36+	5 x 132	25
7100419060	60+	5 x 132	25
7100317498	36+	6 x 132	10
7100419058	60+	6 x 132	10
7100317496	36+	4 x 168	25
7100350492	60+	4 x 168	50
7100350515	80+	6 x 264	20
7100422036	120+	6 x 264	20

3M™ Cubitron™ 3 Cloth Belt 1184F – File / Portable Belts			
3M ID	Grade	Width x Length (In)	Min/Case
7100331234	36+	1/2 x 13	200
7100317560	36+	1/2 x 18	200
7100354022	60+	1/2 x 18	200
7100354016	80+	1/2 x 18	200
7100422033	120+	1/2 x 18	200
7100317516	36+	1/2 x 24	200
7100354019	60+	1/2 x 24	200
7100354018	80+	1/2x 24	200
7100422044	120+	1/2 x 24	200
7100317510	36+	3/4 x 18	200
7100354015	60+	3/4 x 18	200
7100358081	80+	3/4 x 18	200
7100327370	36+	3-1/2 x 5-1/2	50
7100358075	60+	3-1/2 x 5-1/2	50
7100354016	80+	3-1/2 x 5-1/2	50
7100422038	120+	3-1/2 x 5-1/2	50

3M™ Cubitron™ 3 Cloth Belt 1184F – Wide Belts			
3M ID	Grade	Width x Length (In)	Min/Case
7100422034	120+	25 x 60	2
7100422030	120+	37 x 60	2
7100422012	120+	37 x 75	2
7100396659	80+	52 x 75	2
7100422069	120+	52 x 85	2

3M™ Cubitron™ 3 Cloth Belt 1184F – Custom Sizes			
3M ID	Grade	Width x Length (In)	Min/Case
7100313150	36+	Custom Sizes	N/A
7100330154	60+	Custom Sizes	N/A
7100330153	80+	Custom Sizes	N/A
7100417863	120+	Custom Sizes	N/A

3M™ Cubitron™ 3 Cloth Belt 1182F – Custom Sizes			
3M ID	Grade	Width x Length (In)	Min/Case
7100404995	36+	Custom Sizes	N/A

Note: List is not exhaustive. Belts are also available in made-to-order sizes.

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



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