



# Cubitron™ 3

Performance Abrasives

# 1169F

Premium Series

3M™ Cubitron™ 3 Flap Disc 1169F

# Produce more. With less.

**Long life and  
fast cut**

**Increased  
versatility**

**Consistent  
performance**

**Safety and  
sustainability  
prioritized**



# 3M™ Cubitron™ 3 Flap Disc 1169F

Grades

40+, 60+ & 80+

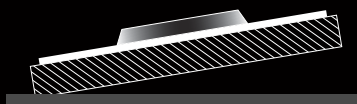
## Maximizing productivity and flexibility

Powered by 3M re-engineered precision-shaped grain technology, the Cubitron™ 3 product line now includes flap discs available in grades 40+, 60+, 80+.

Built with a durable polyester backing, these versatile flap discs offer long life, increased productivity and consistent performance resulting in less abrasive spend.

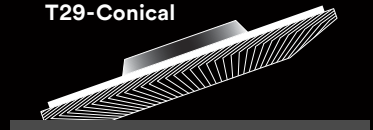
There are two styles of flap disc shape, conical and flat, that can work in your application. Choose the one that contacts the workpiece with the full width of the flap material to maximize flap disc service.

T27-Flat



For use at flatter angles: 0° – 15°

T29-Conical



For use at steeper angles: 15° – 25°

### 3M has continued to innovate its mineral technology in two key areas:

Re-engineered Precision-Shaped Grain with breakthroughs in grain shape

- Superior cut rate
- More grinding efficiency
- Operator comfort



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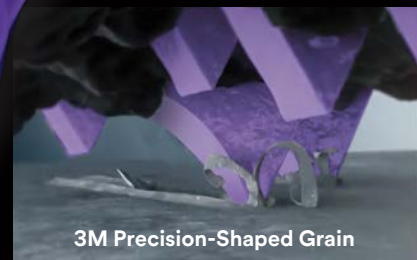
#### Mineral Efficiency

Expertise in product formulation and coating technologies allow us to design-in optimal grain distribution and orientation on the face of the disc – further enhancing performance.

Conventional Crushed Grain



3M Precision-Shaped Grain

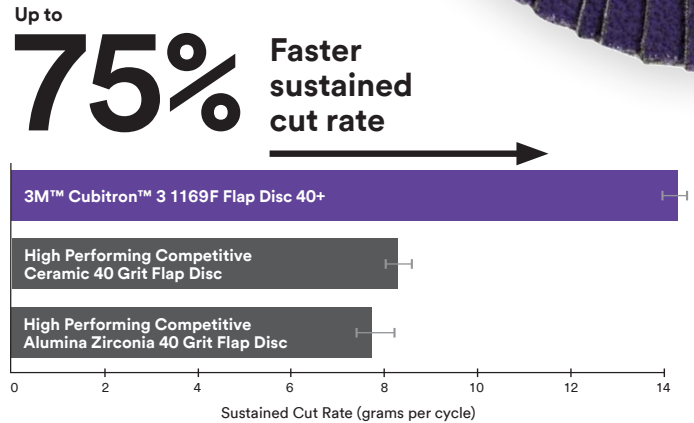
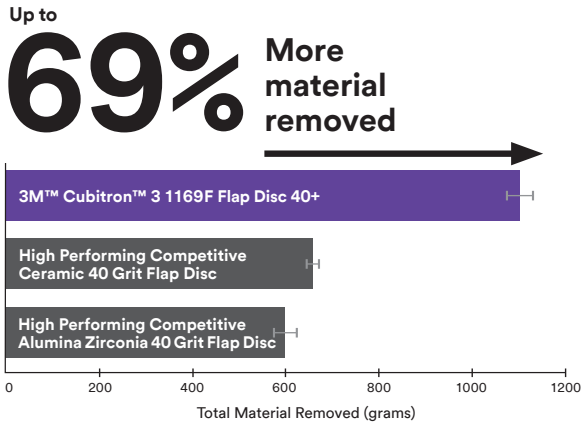


# Proven performance that takes your process to the next level

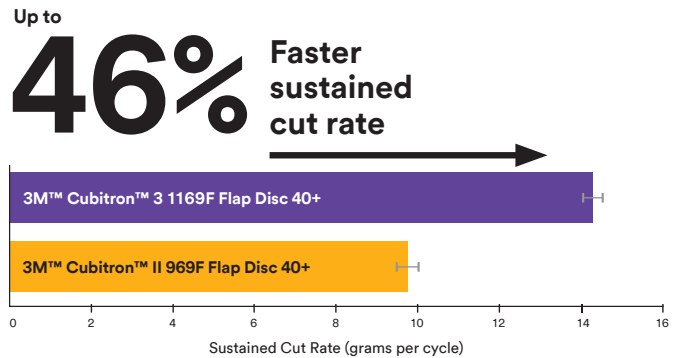
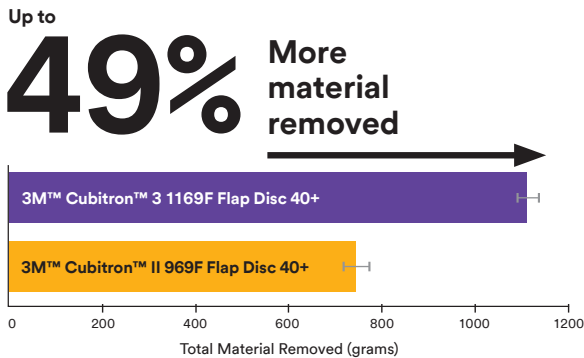
We tested 3M™ Cubitron™ 3 Flap Disc 1169F grade 40+ on carbon steel and here are the results:



## 3M™ Cubitron™ 3 Flap Disc 1169F against the competition:



## 3M™ Cubitron™ 3 Flap Disc 1169F against other 3M products:



Upgrade now from the 3M™ Cubitron™ II Flap Disc 969F!

Works best on:

**Carbon steel**

**Stainless steel**

Compliant with Contaminant-Free and INOX criteria to reduce risks of galvanic corrosion.

Abrasive flaps include grinding aid for high performance and long life on stainless steel and other heat-sensitive alloys.

Note: Results are based on an automated, 37.5 minute, medium pressure test on 1045 steel using 4.5 inch 40 grit flap discs on a servo motor.




# Setting the standard for performance and versatility

Ideal for medium to high pressure jobs where the quality and finish are crucial.

Automation Ready



## 3M offers a wide range of flap discs

3M™ Cubitron™ 3 Flap Disc 1169F	3M™ Cubitron™ II Flap Disc 967A	3M™ Flap Disc 769F
 <p><b>Now Available!</b></p> <p><b>3M Re-Engineered Precision-Shaped Grain</b></p> <ul style="list-style-type: none"> <li>▶ Medium-high pressure applications</li> <li>▶ Polyester backing</li> <li>▶ Best 3M flap disc for long life and speed, plus requires less operator pressure</li> <li>▶ Highest productivity delivered</li> <li>▶ Size (inches): 4, 4.5, 5, 6, 7</li> </ul> <p>Grade <b>40+</b> <b>60+</b> <b>80+</b></p> <p>Flat (T27) Conical (T29)</p>	 <p><b>3M Precision-Shaped Grain</b></p> <ul style="list-style-type: none"> <li>▶ Low pressure applications</li> <li>▶ Poly-cotton backing</li> <li>▶ Better 3M flap disc for long life and speed on stainless steel and aluminum substrates</li> <li>▶ Finish delivered with easier breakdown</li> <li>▶ Size (inches): 4, 4.5, 5, 7</li> </ul> <p>Grade <b>40+</b> <b>60+</b> <b>80+</b></p> <p>Flat (T27) Conical (T29)</p>	 <p><b>3M Precision-Shaped Grain</b></p> <ul style="list-style-type: none"> <li>▶ Medium pressure applications</li> <li>▶ Polyester backing</li> <li>▶ Good 3M flap disc in life and speed vs. majority of flap discs in the market</li> <li>▶ Price value for your everyday operations</li> <li>▶ Size (inches): 4, 4.5, 5, 7</li> </ul> <p>Grade <b>40+</b> <b>60+</b> <b>80+</b> <b>120+</b></p> <p>Flat (T27) Conical (T29)</p>

## 3M™ Cubitron™ 3 1169F Flap Disc product ordering information

3M™ Cubitron™ 3 Flap Disc 1169F – Quick Change				
SAP ID	Grade	Diameter (in.)	Max RPM	Unit/Case
<b>Type 27</b>				
7100380178	40+	4-1/2 × 5/8-11	13,300	10
7100380317	40+	6 × 5/8-11	10,000	5
7100380485	40+	7 × 5/8-11	8,600	5
7100380307	60+	4-1/2 × 5/8-11	13,300	10
7100380505	60+	6 × 5/8-11	10,000	5
7100380300	80+	4-1/2 × 5/8-11	13,300	10
7100380338	80+	6 × 5/8-11	10,000	5
<b>Type 29</b>				
7100403690	40+	4 × 3/8-24	15,300	10
7100379929	40+	4-1/2 × 5/8-11	13,300	10
7100380207	40+	5 × 5/8-11	12,000	10
7100380495	40+	7 × 5/8-11	8,600	5
7100404345	60+	4 × 3/8-24	15,300	10
7100380349	60+	4-1/2 × 5/8-11	13,300	10
7100403601	80+	4 × 3/8-24	15,300	10
7100380219	80+	4-1/2 × 5/8-11	13,300	10
7100380504	80+	7 × 5/8-11	8,600	5

3M™ Cubitron™ 3 Flap Disc 1169F – Center Hole				
SAP ID	Grade	Diameter (in.)	Max RPM	Unit/Case
<b>Type 27</b>				
7100380474	40+	4-1/2 × 7/8	13,300	10
7100380493	40+	5 × 7/8	12,000	10
7100379978	40+	7 × 7/8	8,600	5
7100380348	60+	4-1/2 × 7/8	13,300	10
7100380168	60+	5 × 7/8	12,000	10
7100380218	80+	4-1/2 × 7/8	13,300	10
7100380309	80+	5 × 7/8	12,000	10
<b>Type 29</b>				
7100404320	40+	4 × 5/8	15,300	10
7100380484	40+	4-1/2 × 7/8	13,300	10
7100380494	40+	5 × 7/8	12,000	10
7100380208	40+	7 × 7/8 in	8,600	5
7100403689	60+	4 × 5/8	15,300	10
7100380209	60+	4-1/2 × 7/8	13,300	10
7100380496	60+	5 × 7/8	12,000	10
7100404321	60+	4 × 5/8	15,300	10
7100380288	80+	4-1/2 × 7/8	13,300	10
7100380316	80+	5 × 7/8	12,000	10



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Web 3M.com/abrasives

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