



**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  
prioritised**



# 3M™ Cubitron™ 3 Flap Disc 1169F

Grades

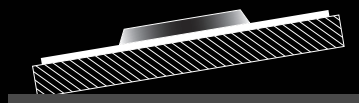
40+, 60+ and 80+

## Maximising productivity and flexibility.

The 3M™ Cubitron™ 3 product range uses 3M Precision-Shaped Grain (PSG) technology that has been re-engineered for improved performance. The range now includes flap discs in grades 40+, 60+ and 80+. These flap discs have a durable polyester backing and offer long service life, increased productivity and consistent performance, resulting in lower spend on abrasives.

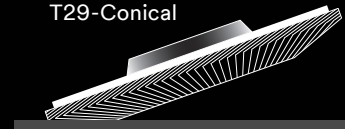
There are two flap disc shapes – conical and flat – depending on your application. Choose the shape that engages the full width of the abrasive flaps with the workpiece to maximise disc life.

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

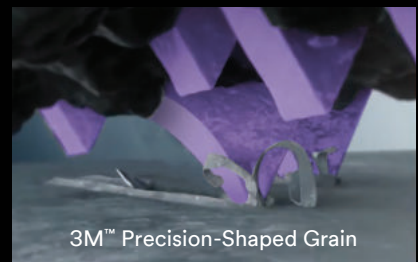
#### Mineral efficiency

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.



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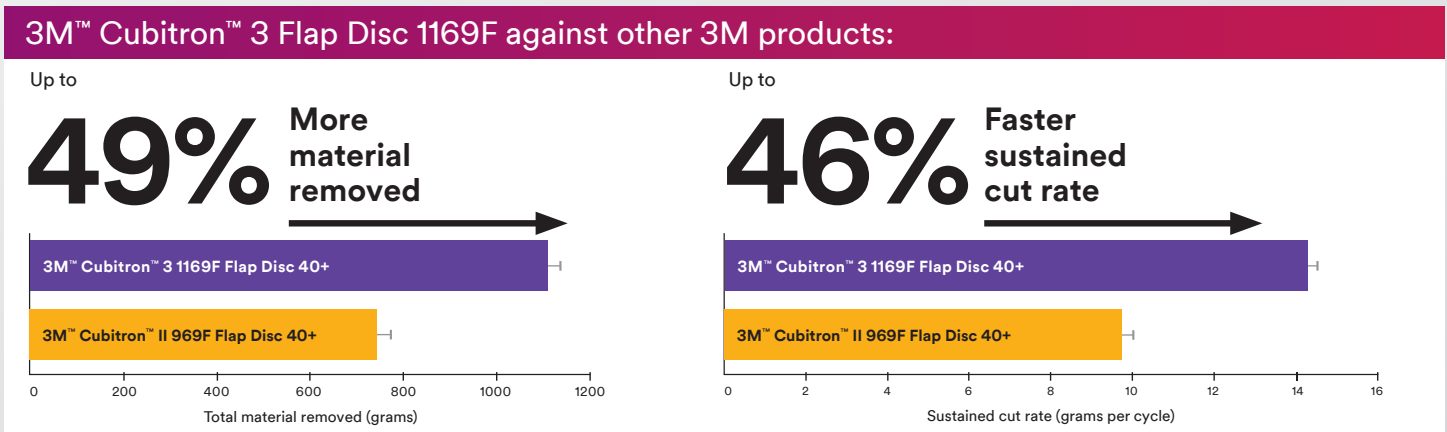
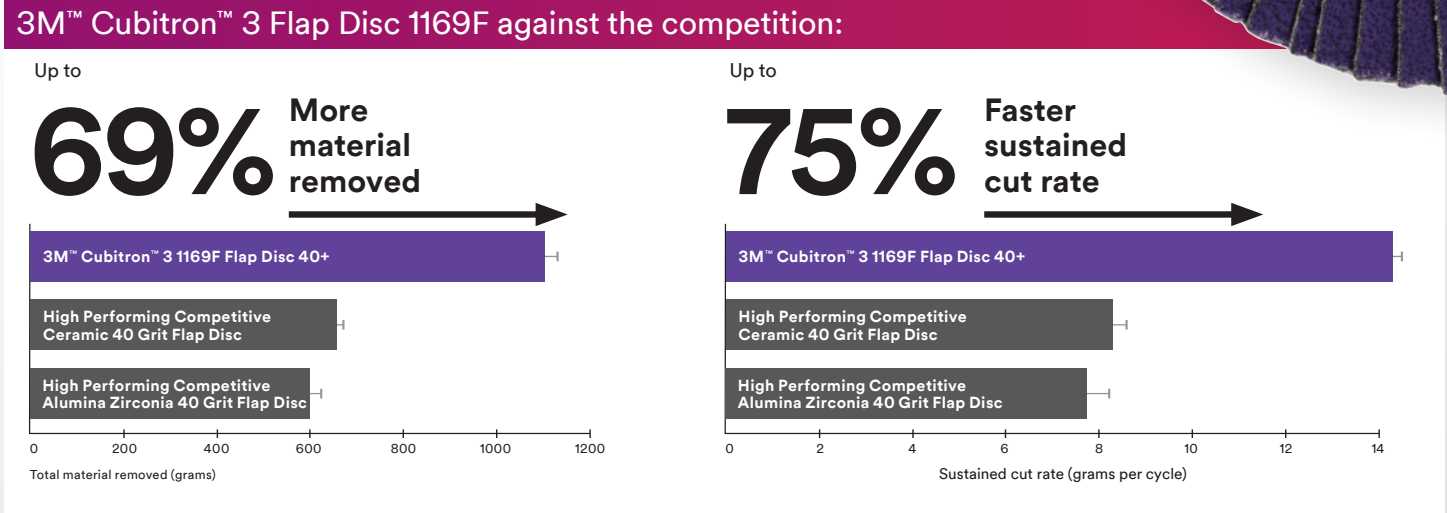
Conventional crushed grain



3M™ Precision-Shaped Grain

# Proven performance to enhance your process.

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



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

Best suited to:

Carbon steel

Stainless steel

These flap discs are compliant with contaminant-free and INOX criteria, helping to reduce the risk of galvanic corrosion.

The abrasive flaps include a grinding aid to deliver high performance and long service 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 aluminium 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. vast 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					
SAP ID	Shape	Diameter x Bore (mm)	Grade	Max RPM	Unit/Case
7100379604	T27	115 x 22	40+	13.300	10/100
7100379795	T27	115 x 22	60+	13.300	10/100
7100379600	T27	115 x 22	80+	13.300	10/100
7100379332	T27	125 x 22	40+	12.250	10/100
7100379508	T27	125 x 22	60+	12.250	10/100
7100379211	T27	125 x 22	80+	12.250	10/100
7100379357	T27	180 x 22	40+	8.500	5/20
7100402424	T27	180 x 22	60+	8.500	5/20
7100402444	T27	180 x 22	80+	8.500	5/20

SAP ID	Shape	Diameter x Bore (mm)	Grade	Max RPM	Unit/Case
7100379365	T29	115 x 22	40+	13.300	10/100
7100379507	T29	115 x 22	60+	13.300	10/100
7100379231	T29	115 x 22	80+	13.300	10/100
7100379743	T29	125 x 22	40+	12.250	10/100
7100379654	T29	125 x 22	60+	12.250	10/100
7100379232	T29	125 x 22	80+	12.250	10/100
7100379505	T29	150 x 22	40+	10.200	5/20
7100379770	T29	150 x 22	60+	10.200	5/20
7100401211	T29	150 x 22	80+	10.200	5/20
7100379344	T29	180 x 22	40+	8.500	5/20
7100402380	T29	180 x 22	60+	8.500	5/20
7100400852	T29	180 x 22	80+	8.500	5/20

**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.



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