



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

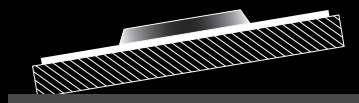
40+, 60+ and 80+

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.

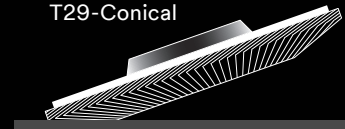
There are two flap disc shapes – conical and flat – depending on your application. Choose the shape that engages the full width of the abrasive flaps with the workpiece to maximise disc life.

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

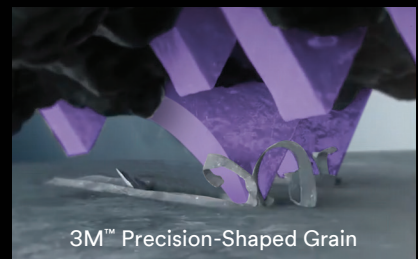


Cubitron™ 3
Performance Abrasives

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

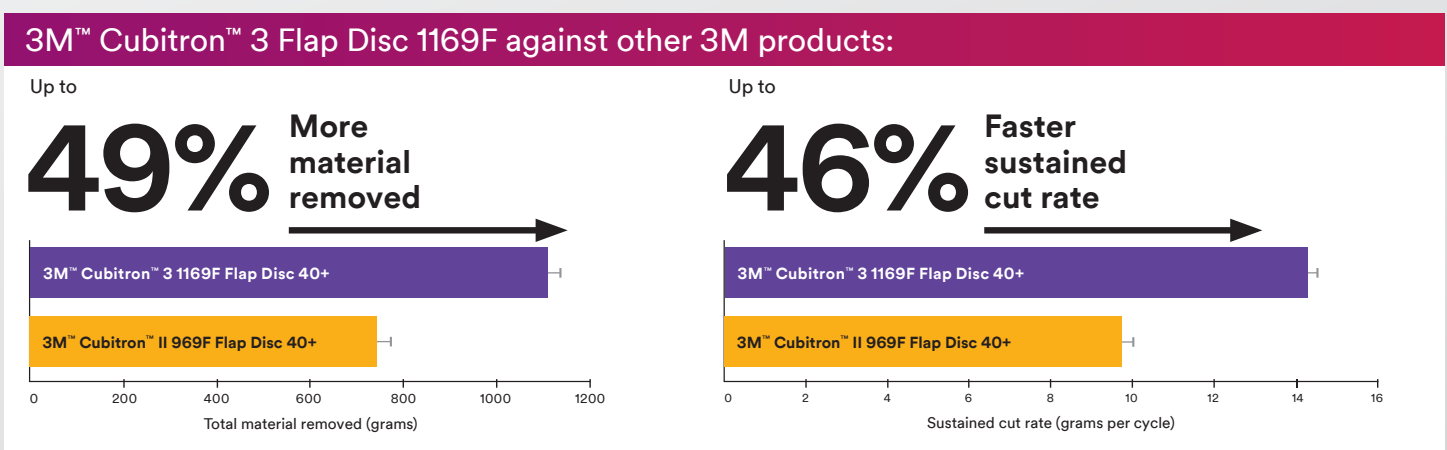
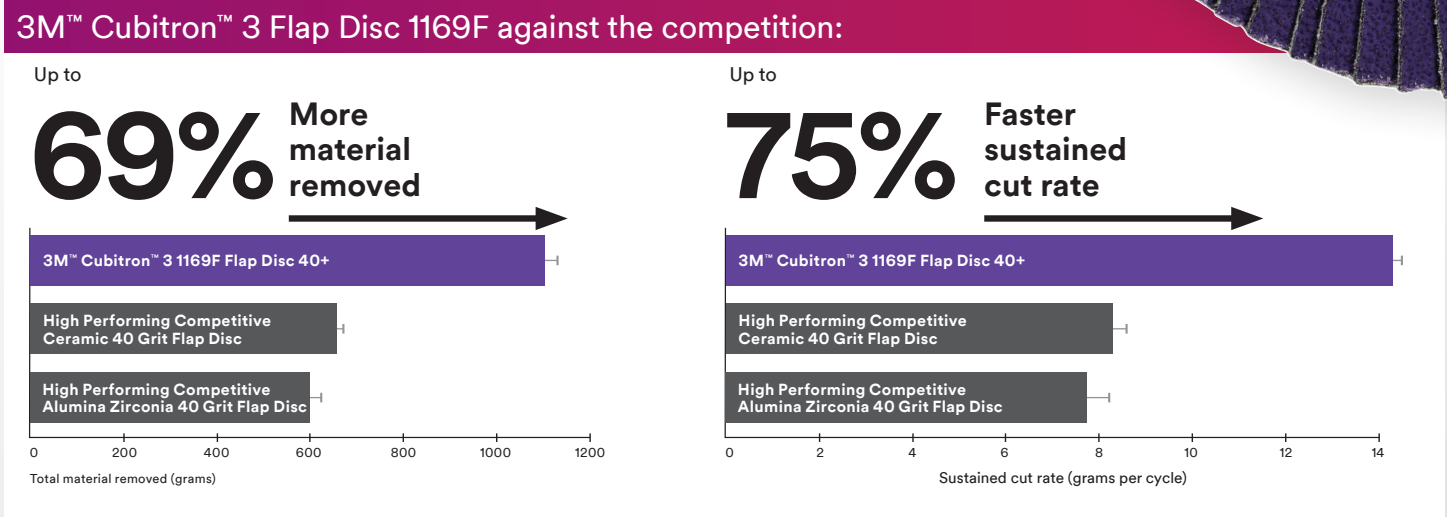


3M™ Precision-Shaped Grain



Proven performance 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.



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>Now available!</p> <p>3M re-engineered Precision-Shaped Grain</p> <ul style="list-style-type: none"> ▶ Medium-high pressure applications ▶ Polyester backing ▶ Best 3M™ flap disc for long life and speed, plus requires less operator pressure ▶ Highest productivity delivered ▶ Size (inches): 4, 4.5, 5, 6, 7 <p>Grade 40+ 60+ 80+</p> 	 <p>3M Precision-Shaped Grain</p> <ul style="list-style-type: none"> ▶ Low pressure applications ▶ Poly-cotton backing ▶ Better 3M™ flap disc for long life and speed on stainless steel and aluminium substrates ▶ Finish delivered with easier breakdown ▶ Size (inches): 4, 4.5, 5, 7 <p>Grade 40+ 60+ 80+</p> 	 <p>3M Precision-Shaped Grain</p> <ul style="list-style-type: none"> ▶ Medium pressure applications ▶ Polyester backing ▶ Good 3M™ flap disc in life and speed vs. vast majority of flap discs in the market ▶ Price value for your everyday operations ▶ Size (inches): 4, 4.5, 5, 7 <p>Grade 40+ 60+ 80+ 120+</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

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