



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

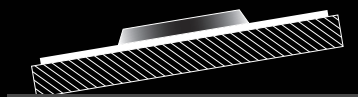
40+, 60+ and 80+

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.

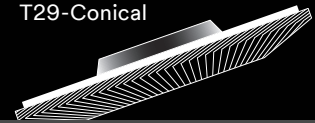
There are two flap disc shapes – conical and flat – depending on your application. Choose the shape that engages the full width of the abrasive flaps with the workpiece to maximise disc life.

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

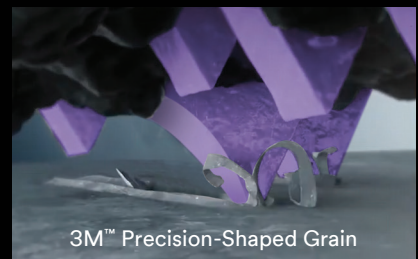
Expertise in product formulation and coating technologies allow us to design in optimal grain distribution and orientation on the face of the disc – further enhancing performance.



Cubitron™ 3
Performance Abrasives



Conventional crushed grain



3M™ Precision-Shaped Grain

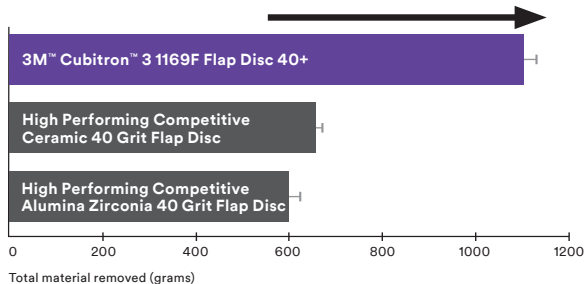
Proven performance to enhance your process.

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

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

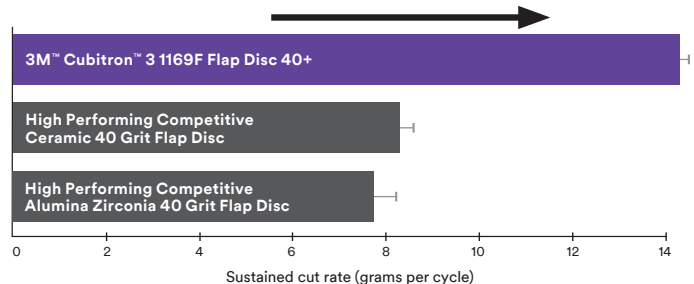
Up to

69% More material removed



Up to

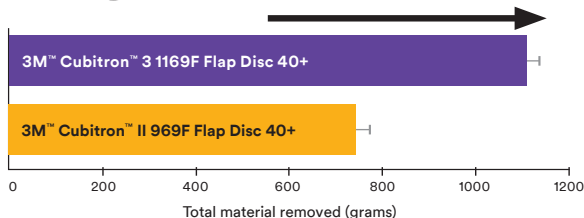
75% Faster sustained cut rate



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

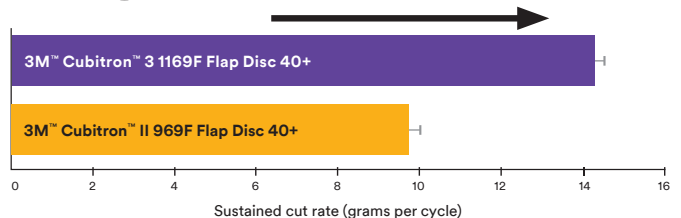
Up to

49% More material removed



Up to

46% Faster sustained cut rate



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.

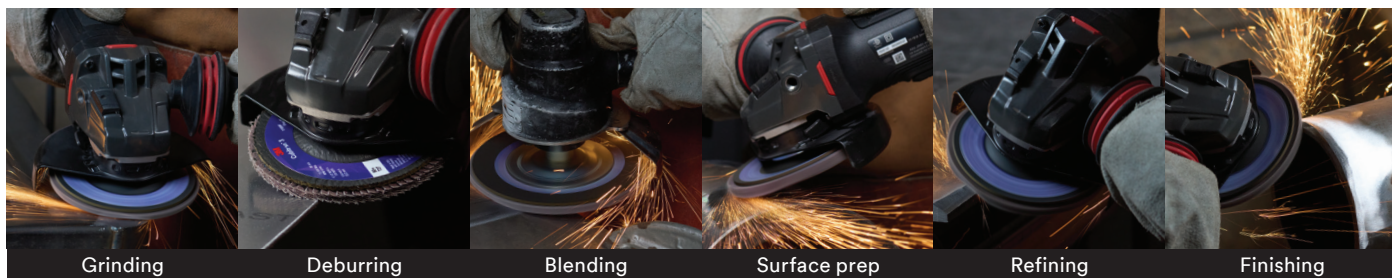
The abrasive flaps include a grinding aid to deliver high performance and long service life on stainless steel and other heat-sensitive alloys.

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
 Now available!		
3M re-engineered Precision-Shaped Grain	3M Precision-Shaped Grain	3M Precision-Shaped Grain
▶ 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	▶ 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	▶ 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
Grade 40+ 60+ 80+	Grade 40+ 60+ 80+	Grade 40+ 60+ 80+ 120+
Flat (T27) Conical (T29)	Flat (T27) Conical (T29)	Flat (T27) Conical (T29)

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 × 22	40+	13.300	10/100
7100379795	T27	115 × 22	60+	13.300	10/100
7100379600	T27	115 × 22	80+	13.300	10/100
7100379332	T27	125 × 22	40+	12.250	10/100
7100379508	T27	125 × 22	60+	12.250	10/100
7100379211	T27	125 × 22	80+	12.250	10/100
7100379357	T27	180 × 22	40+	8.500	5/20
7100402424	T27	180 × 22	60+	8.500	5/20
7100402444	T27	180 × 22	80+	8.500	5/20

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



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