



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



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INDUSTRIAL SUPPLIES
an MSC Company

3M™ Cubitron™ 3 Flap Disc 1169F

Grades

40+, 60+ & 80+

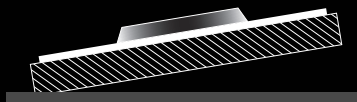
Maximizing productivity and flexibility

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.

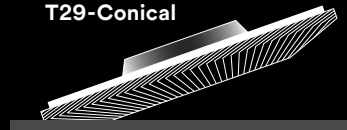
There are two styles of flap disc shape, conical and flat, that can work in your application. Choose the one that contacts the workpiece with the full width of the flap material to maximize flap disc service.

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



Cubitron™ 3
Performance Abrasives

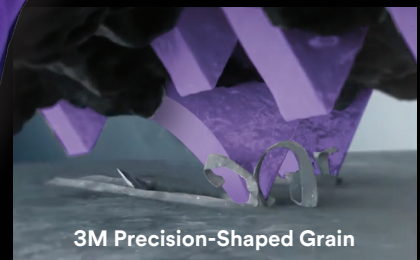
Mineral Efficiency

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 that takes your process to the next level

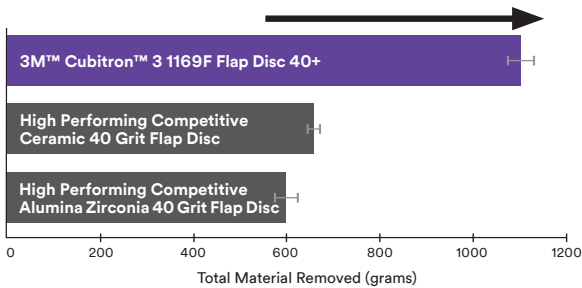
We tested 3M™ Cubitron™ 3 Flap Disc 1169F grade 40+ on carbon steel and here are the results:



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

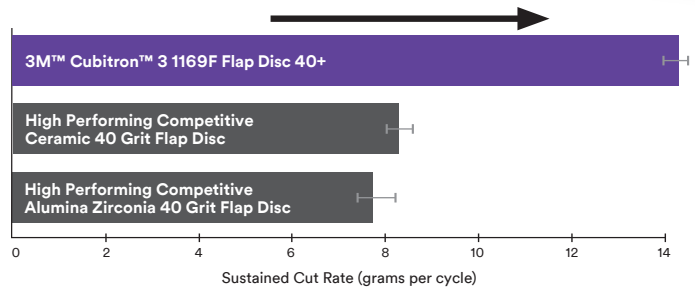
Up to

69% More material removed



Up to

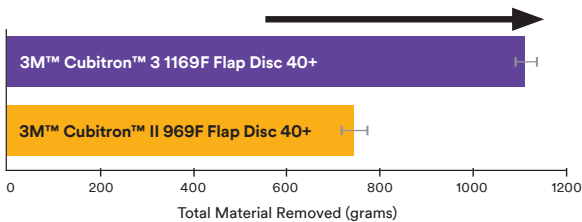
75% Faster sustained cut rate



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

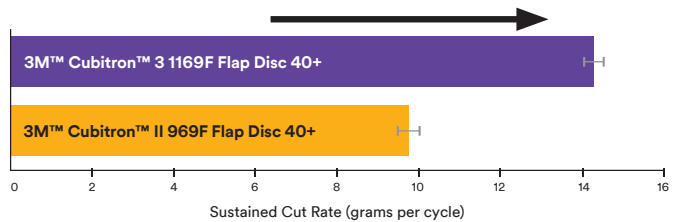
Up to

49% More material removed



Up to

46% Faster sustained cut rate



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

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>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>Flat (T27) Conical (T29)</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 aluminum substrates ▶ Finish delivered with easier breakdown ▶ Size (inches): 4, 4.5, 5, 7 <p>Grade: 40+ 60+ 80+</p> <p>Flat (T27) Conical (T29)</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> <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	MSC ID	Grade	Diameter (in.)	Max RPM	Unit/Case
Type 27					
7100380178	92586395	40+	4-1/2 x 5/8-11	13,300	10
7100380317	92587831	40+	6 x 5/8-11	10,000	5
7100380485	92588474	40+	7 x 5/8-11	8,600	5
7100380307	92587377	60+	4-1/2 x 5/8-11	13,300	10
7100380505	92588920	60+	6 x 5/8-11	10,000	5
7100380300	92587369	80+	4-1/2 x 5/8-11	13,300	10
7100380338	92587849	80+	6 x 5/8-11	10,000	5
Type 29					
7100403690	†	40+	4 x 3/8-24	15,300	10
7100379929	92586296	40+	4-1/2 x 5/8-11	13,300	10
7100380207	92587062	40+	5 x 5/8-11	12,000	10
7100380495	92588672	40+	7 x 5/8-11	8,600	5
7100404345	†	60+	4 x 3/8-24	15,300	10
7100380349	92587872	60+	4-1/2 x 5/8-11	13,300	10
7100403601	†	80+	4 x 3/8-24	15,300	10
7100380219	92587252	80+	4-1/2 x 5/8-11	13,300	10
7100380504	92588755	80+	7 x 5/8-11	8,600	5

* Type 29 4 in. diameter versions coming soon.

3M™ Cubitron™ 3 Flap Disc 1169F – Center Hole					
SAP ID	MSC ID	Grade	Diameter (in.)	Max RPM	Unit/Case
Type 27					
7100380474	92588052	40+	4-1/2 x 7/8	13,300	10
7100380493	92588664	40+	5 x 7/8	12,000	10
7100379978	92586304	40+	7 x 7/8	8,600	5
7100380348	92587864	60+	4-1/2 x 7/8	13,300	10
7100380168	92586387	60+	5 x 7/8	12,000	10
7100380218	92587138	80+	4-1/2 x 7/8	13,300	10
7100380309	92587815	80+	5 x 7/8	12,000	10
Type 29					
7100404320	†	40+	4 x 5/8	15,300	10
7100380484	92588045	40+	4-1/2 x 7/8	13,300	10
7100380494	92588466	40+	5 x 7/8	12,000	10
7100380208	92587070	40+	7 x 7/8 in	8,600	5
7100403689	†	60+	4 x 5/8	15,300	10
7100380209	92587120	60+	4-1/2 x 7/8	13,300	10
7100380496	92588748	60+	5 x 7/8	12,000	10
7100404321	†	60+	4 x 5/8	15,300	10
7100380288	92587260	80+	4-1/2 x 7/8	13,300	10
7100380316	92587807	80+	5 x 7/8	12,000	10



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 Web **3M.com/abrasives**

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