



**3M** Science.  
Applied to Life.™

**NEW! 3M™ Flap Discs 769F**

# Performance without compromise.

Tackle tough jobs with the NEW 3M™ Flap Disc, that's anything but ordinary.  
Powered by 3M Precision Shaped Grain, designed to give you great performance and value.



NEW! 3M™ Flap Discs 769F

3M™ Flap Discs 769F  
deliver great value

- Weld grinding
- Beveling
- Blending
- Finishing and surface prep
- Scale and weld spatter removal



# Harness the power of 3M Precision Shaped Grain.

Ideal for industries such as:

- **Transportation**
  - Ship and boat building
  - Automotive
  - Truck and rail
- **Fabricated metals**
  - Structural steel
  - Sheet metal
  - Machine shops
  - Pipe and tank
- **Machinery manufacturing**
  - Farm and construction equipment
  - Industrial machinery
  - Oil and gas
  - Food processing

## Get more out of your flap discs. Whatever the job might be.

The unique construction of flap discs makes them an ideal choice for applications where fast cutting and final finish are important.

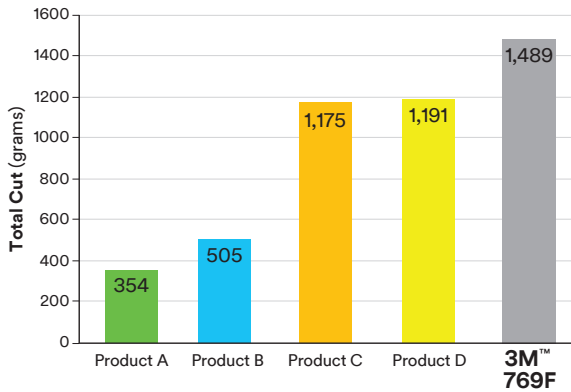
Now, 3M brings the science of 3M Precision Shaped Grain to a new generation of abrasive flap discs – combining outstanding speed and abrasive life with the versatility of flap discs!

**New 3M™ Flap Discs 769F** last longer than conventional aluminium zirconia discs, thanks to an innovative construction that utilises 3M Precision Shaped Grain technology – the same technology powering the legendary performance of our 3M™ Cubitron™ II abrasives.

3M Precision Shaped Grain stays sharper, longer – so you can get more work done over the life of your disc with fewer disc changes.

## Disc Cut Comparison

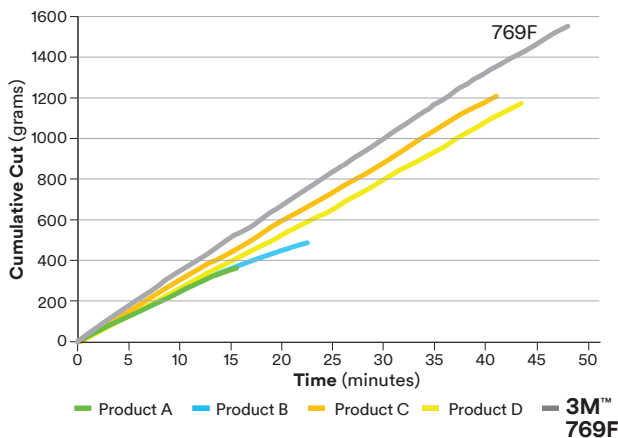
3M Flap Disc 769F removes more material\*



Over the life of the disc, 3M™ Flap Discs 769F removed more material than the competition – and they kept on cutting long after other discs.

## Disc Life Comparison

3M Flap Disc 769F lasts longer.\*



\* Results based on an automated test on mild steel using 115mm flap discs with constant tool power until end of life, using grade 40+ or nearest equivalent.

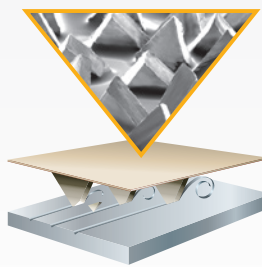
## A word about wear

The life and cut of a flap disc is determined by how quickly the backing wears away to expose new mineral.

The backing in 3M™ Flap Discs 769F is designed to work with the 3M Precision Shaped Grain to provide consistent cut and long life over a wide range of medium and heavy duty application.

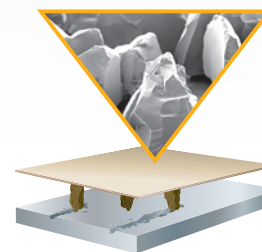
## The science of 3M Precision Shaped Grain

It acts like a cutting tool, slicing through metal like a knife. The material is continuously self-sharpening, as points break off during use to expose new sharp edges – slicing cleaner and faster, staying cooler and lasting many times longer than conventional grain types.



3M Precision Shaped Grain slices cleaner and faster.

- ✓ Cooler operation
- ✓ Clean cut
- ✓ Lasts much longer

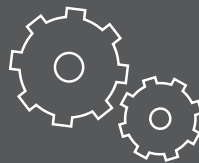


Conventional ceramic grain is irregular and “ploughs” through the metal.

- ✗ Heat build-up
- ✗ Slower cutting
- ✗ Shorter life

## Got a need for speed?

For an even faster cut rate and longer life, try 3M™ Cubitron™ II Flap Disc 967A for medium-duty jobs or 969F for heavy-duty work.

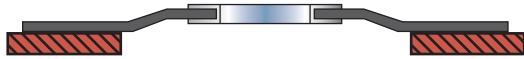


## Tech tips

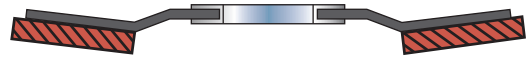
- ▶ 3M™ Flap Discs 769F will often produce a finish equivalent to a fibre disc that is one grade finer (i.e. a 60 grit flap disc will usually leave a finish similar to an 80 grit fibre disc) – saving you time and finishing steps with less chance of gouging
- ▶ Flap discs have a high stock removal, provide long life and are easy to use
- ▶ There are two shapes of flap discs; conical and flat. Conical discs are easier to use as the angle of the flap is positioned at the natural grinding angle. Flat shaped discs are more effective when grinding flat into corners and edges.

# Product availability

## 3M™ Flap Discs 769F



Flat - type 27



Conical - type 29

Part number	Diameter x centre hole (mm)	Grade	Max. RPM	Qty/ case
51990	115 × 22.23	40+	13,300	10
51992		60+		
51994		80+		
51996		120+		
51998	125 × 22.23	40+	12,000	10
52006		60+		
52008		80+		
52010		120+		
52012	180 × 22.23	40+	8,600	5
52014		60+		
52016		80+		
52018		120+		

Part number	Diameter x centre hole (mm)	Grade	Max. RPM	Qty/ case
51991	115 × 22.23	40+	13,300	10
51993		60+		
51995		80+		
51997		120+		
51999	125 × 22.23	40+	12,000	10
52007		60+		
52009		80+		
52011		120+		
52013	180 × 22.23	40+	8,600	5
52015		60+		
52017		80+		
52019		120+		

## Stay safe on the job with 3M™ PPE



3M™ Headgear  
G500



3M™ PELTOR™  
X4 Ear Defender  
Helmet Mounted



3M™ GoggleGear™  
500 Series



3M™ Aura™ 9332+  
Valved Respirator



3M™ E-A-R™  
Ultrafit™ Earplugs

For more information please contact your local 3M Representative or 3M distributor.

Visit: [www.3M.co.uk/abrasives](http://www.3M.co.uk/abrasives)

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