



Science.  
Applied to Life.™



3M™ Flap Discs 769F

Everyday value.  
Exceptional performance.

Cut tough jobs down to size with a value-priced flap disc that's anything but ordinary.



3M™ Flap Discs 769F

3M™ Flap Discs 769F deliver great value on the job:

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



# The new standard of value-priced performance.

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

3M™ Flap Discs have long been your “go-to” disc for just about anything the day throws your way – from weld grinding and scale removal to beveling and heavy deburring. That’s because the unique construction of flap discs makes them ideal for applications where fast cutting and final finish are important.

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

**3M™ Flap Discs 769F** get more work done for your dollar than conventional alumina zirconia discs, thanks to an innovative construction that utilizes 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. Plus, its fast-cutting action helps you power through a wide variety of metalworking jobs – *fast!*

**Versatility and value: this disc has the works!**

Get more done in less time with fewer disc changes – with the everyday high performance of 3M Flap Discs 769F. The discs are easy to control, so there’s less chance of gouging, and they deliver excellent results.

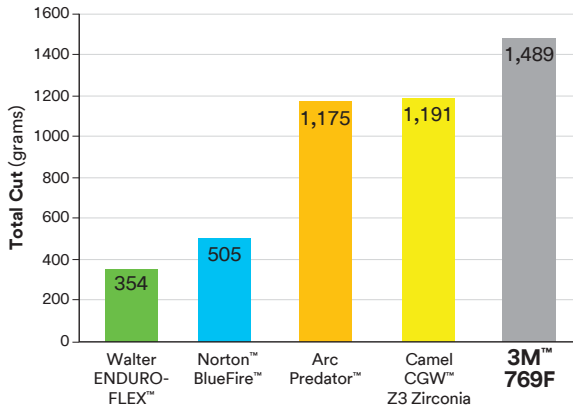
Ideal for industries such as:

- **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

# Harness the power of 3M Precision-Shaped Grain at a price that's affordable for everyday use.

## Disc Cut Comparison

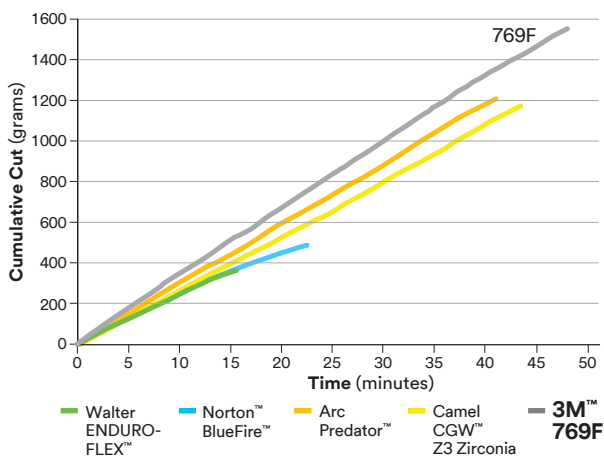
3M Flap Disc 769F removes more material\*



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 called it quits!

## Disc Life Comparison

3M Flap Disc 769F lasts longer\*



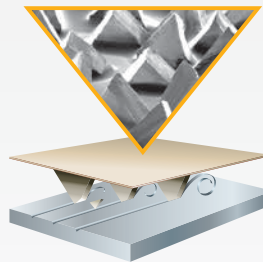
\* Results based on an automated test on mild steel using 4.5 inch flap discs with constant tool power until end of life, using grade 40+ or nearest equivalent.

## A word about wear.

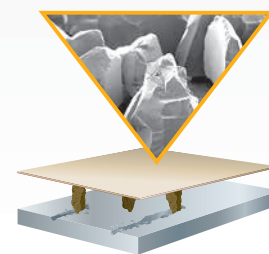
The life and cut of a flap disc is determined by how quickly the backing wears away to expose new mineral. If it wears too quickly, it can significantly shorten the disc life. But if it doesn't wear properly, the disc might stop cutting altogether.

The backing in 3M Flap Discs 769F is designed to wear just the right amount to provide consistent cut over a wide range of medium- and heavy-duty applications. Combined with the power of 3M Precision-Shaped Grain, that helps 3M Flap Discs 769F outperform the competition!

## The science of precision-shaped grain.



3M Precision-Shaped Grain uses 3M microreplication technology to form sharp peaks that easily “slice” through metal – cutting cooler, faster and lasting longer than conventional abrasive grain. That means more consistent performance with fewer disc changes – so you can get more work done over the life of your disc.



Conventional abrasive grain tends to “plow” through the metal, causing heat to build up in the workpiece and the abrasive – resulting in a slower, less consistent cut and shorter disc life.

## Success stories: Hear what some customers are saying!

For beveling on carbon steel, one customer reports that 3M Flap Discs 769F performed the same task **62% faster** than their current flap disc – without any heat discoloration.

In another customer trial of weld removal on carbon steel, 3M Flap Discs 769F performed **45% faster** and were estimated to last 2-3 times longer than their current competitive disc.

Another customer reported that when they put our product to the test deburring ¼" thick 304L stainless steel, one 3M Flap Disc 769F did the job of 5 of their current competitive discs. Plus, the operator loved the smooth-running feel.



# Product Availability

| Product Code | Item Id     | Grade | Size  | Max. RPM | QTY / Case |
|--------------|-------------|-------|-------|----------|------------|
| 769F         | UU010000170 | 40+   | 115mm | 13,300   | 10         |
| 769F         | UU010000204 | 60+   |       |          |            |
| 769F         | UU010020327 | 80+   |       |          |            |
| 769F         | UU010034625 | 120+  |       |          |            |
| 769F         | UU010034641 | 40+   | 125mm | 12,000   | 10         |
| 769F         | UU010034898 | 60+   |       |          |            |
| 769F         | UU010034914 | 80+   |       |          |            |
| 769F         | UU010034740 | 120+  |       |          |            |
| 769F         | UU010034773 | 40+   | 180mm | 8,600    | 10         |
| 769F         | UU010034799 | 60+   |       |          |            |
| 769F         | UU010034500 | 80+   |       |          |            |
| 769F         | UU010034492 | 120+  |       |          |            |



## ▶ Tech Tip

3M Flap Discs 769F will often produce a finish equivalent to the next-finer grade of a fibre disc (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.

**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.

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