



Science.  
Applied to Life.™



3M™ Flap Disc 769F

# More grind for your dime.

Get more from every disc, with a flap disc that delivers performance and value.

Use 3M™ Flap Disc 769F for great value on the job:

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



# Go ahead, change your disc.

Whatever your job might be, the 3M™ Flap Disc 769F helps to deliver.

Get more done in less time with fewer disc changes, with the everyday high performance of the 3M™ Flap Disc 769F. 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 bevelling and heavy deburring. Because of the unique construction, flap discs are ideal for applications where fast cutting and final finish are important.

The 3M™ Flap Disc 769F is available in fibreglass backing as well as plastic backing with quick-change hub—combining outstanding speed and abrasive life with the versatility of flap discs!

**3M™ Flap Disc 769F** gets more work done for your dollar than a conventional alumina zirconia disc, 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. The discs are easy to control, so there's less chance of gouging.

**Performance, durability, value: this disc checks every box!**

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

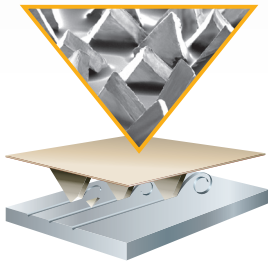
# Harness the power of 3M™ Precision-Shaped Grain at a price that's affordable for everyday use.

## A word about wear

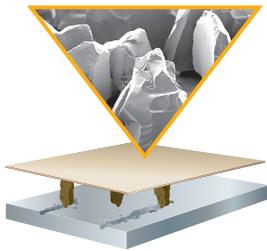
The life and cut of a flap disc is determined by how quickly the backing wears away to expose new mineral. If it wears too quickly, it can significantly shorten the disc life. But if it doesn't wear properly, the disc might stop cutting altogether.

The backing in 3M™ Flap Disc 769F is designed to wear just the right amount to provide consistent cut over a wide range of medium—and heavy-duty applications. Powered by 3M precision-shaped grain, the 3M™ Flap Disc 769F outperforms 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!

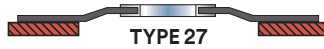
For bevelling on carbon steel, one customer reports that 3M™ Flap Disc 769F performed the same task **62% faster** than their current flap disc—without any heat discoloration.

In another customer trial of weld removal on carbon steel, 3M™ Flap Disc 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  $\frac{1}{4}$ " 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

## 3M™ Flap Disc 769F



TYPE 27



TYPE 29

UPC (0-06-38060-)	Diameter x Centre Hole (inches)	Grade	Max. RPM	Qty/Case
05903-6	4.5 x 1/2	40+	13,300	10
05904-3		60+		
05905-0		80+		
05924-1	5 x 3/4	120+	12,000	10
05915-9		40+		
05918-0		60+		
05919-7	7 x 3/4	80+	8,600	5
05928-9		120+		
05909-8		40+		
05910-4	7 x 3/4	60+	8,600	5
05911-1		80+		
05926-5		120+		

UPC (0-06-38060-)	Diameter x Centre Hole (inches)	Grade	Max. RPM	Qty/Case
05906-7	4.5 x 3/4	40+	13,300	10
05907-4		60+		
05908-1		80+		
05925-8	5 x 3/4	120+	12,000	10
05916-6		40+		
05917-3		60+		
05920-3	7 x 3/4	80+	8,600	5
05929-6		120+		
05912-8		40+		
05913-5	7 x 3/4	60+	8,600	5
05914-2		80+		
05927-2		120+		

### Quick Change Hub Attachment

UPC (0-06-38060-)	Diameter x Centre Hole (inches)	Grade	Max. RPM	Qty/Case
05933-3	4.5 x 3/8-11	40+	13,300	10
05934-0		60+		
05935-7		80+		
05936-4	5 x 3/8-11	120+	12,000	10
05946-3		40+		
05949-4		60+		
05950-0	7 x 3/8-11	80+	8,600	5
05940-1		40+		
05941-8		60+		
05942-5	7 x 3/8-11	80+	8,600	5

UPC (0-06-38060-)	Diameter x Centre Hole (inches)	Grade	Max. RPM	Qty/Case
05937-1	4.5 x 3/8-11	40+	13,300	10
05938-8		60+		
05939-5		80+		
05947-0	5 x 3/8-11	120+	12,000	10
05948-7		40+		
05951-7		60+		
05943-2	7 x 3/8-11	80+	8,600	5
05944-9		40+		
05945-6		60+		

Plastic hub is both rugged and lightweight!



### ► Tech Tip

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



### Want a faster workflow?

The 3M™ Flap Disc 769F with quick-change hub lets you easily swap discs.

**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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