



3M Science.
Applied to Life.™

3M™ Fibre Discs 782C & 787C

Game on!

More than your average fibre disc. Features 3M Precision-Shaped Grain for added speed and life.

An unbeatable combination of performance and value!

A new class of fibre discs from 3M

In 2009, 3M set a new benchmark for abrasive speed and long life with the introduction of Precision-Shaped Grain. Since then, 3M abrasive products incorporating this breakthrough technology have been helping to improve productivity and performance for customers around the world, in a wide range of applications.

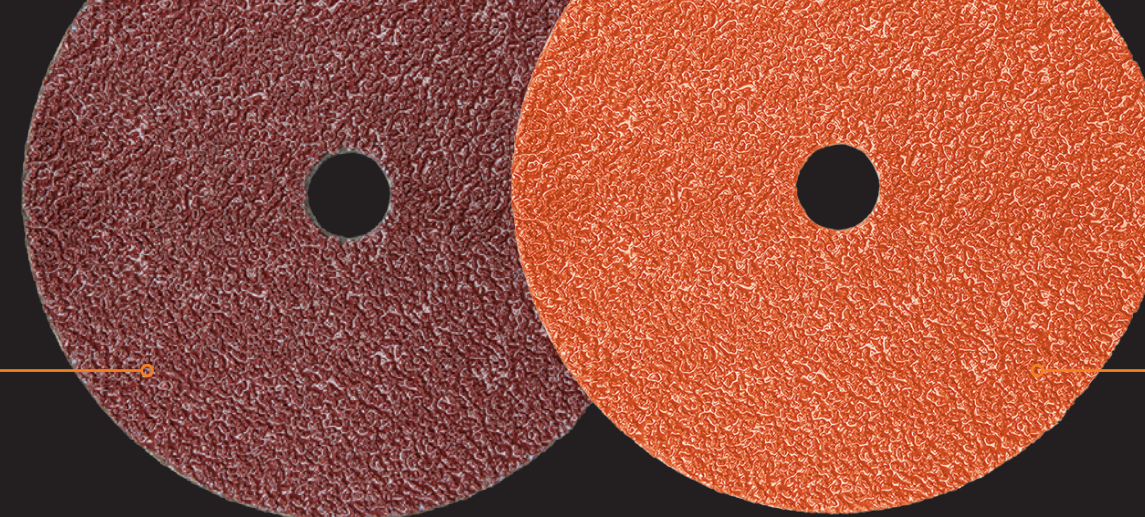
Now you can get your operation up to speed, with our two newest value-priced fibre discs – powered by the unmatched performance of 3M precision-shaped grain technology.

Engineered for fast cutting and long life in applications including:

- ▶ Grinding
- ▶ Weld removal
- ▶ Beveling
- ▶ Edge chamfering

Tech Tip:

- ▶ Use the finest grade of abrasive that gets the job done. Finer grind lines are easier to remove. Align the grind line scratches with the grain line direction. Perpendicular scratches are more difficult to blend; parallel scratches blend easily during finishing.



3M™ Fibre Disc 782C For mild steel

Your ideal choice for mild steel – offering a faster cut and longer life than aluminium zirconia (AZ) and conventional ceramic abrasives. These discs also require less grinding pressure for easier operation.

3M™ Fibre Disc 787C For stainless steel and more

Optimised for stainless steel and non-ferrous metals like aluminum and titanium. Cuts cooler, faster and lasts longer than conventional ceramic discs in applications like weld removal, beveling, edge chamfering and more.

What's the secret?

3M's revolutionary precision-shaped ceramic grain technology – an advanced abrasive construction featuring microreplicated shapes that slice through metal, to cut faster and last longer than conventional abrasives.

What 3M precision-shaped grain technology means for you:

- ▶ Faster cut – lets you produce more parts per hour
- ▶ Longer life – for a lower cost per grind
- ▶ Requires less pressure – allows the abrasive to do more of the hard work for you
- ▶ Smooth running – easy to use

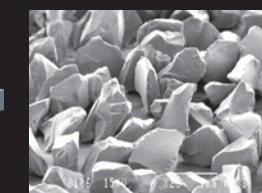
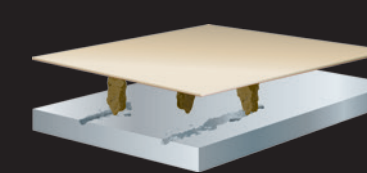
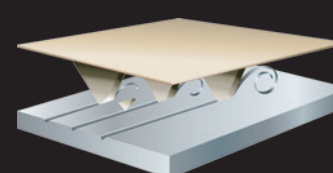
Tech Tip:

- ▶ 3M precision-shaped grain allows these discs to cut fast. When removing stainless steel welds, consider using 787C discs one grade finer than you usually use. This may save you time in the subsequent grain setting step.

How 3M precision-shaped grain technology works:

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.

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



3M Fibre Disc 782C

For mild steel

25 per inner, 100 per case



Diameter mm	Grade	Part number	Max RPM
100	36+	51488	15,200
	60+	51489	
	80+	51490	
115	36+	51491	13,200
	60+	51492	
	80+	51493	
125	36+	51494	12,000
	60+	51495	
	80+	51496	
180	36+	51497	8,500
	60+	51498	
	80+	51499	

3M Fibre Disc 787C

For stainless steel

25 per inner, 100 per case



Diameter mm	Grade	Part number	Max RPM
100	36+	51501	15,200
	60+	51502	
	80+	51503	
	120+	51500	
115	36+	51505	13,200
	60+	51506	
	80+	51507	
	120+	51504	
125	36+	51509	12,000
	60+	51510	
	80+	51511	
	120+	51508	
180	36+	51513	8,500
	60+	51514	
	80+	51515	
	120+	51512	

3M Flat Semi Flexible Back-Up Pad

Type	Size	For use with	Part number	Packaging
Black – general purpose	100mm x M10	100mm fibre discs	07312	10 per inner, 10 per case
	115mm x M14	115mm fibre discs	07306	5 per inner, 5 per case
	125mm x M14	125mm fibre discs	09386	10 per inner, 10 per case
	180mm x M14	180mm fibre discs	09387	5 per inner, 5 per case
Red – high performance	115mm x M14	115mm fibre discs	64857	10 per inner, 10 per case
	125mm x M14	125mm fibre discs	64858	10 per inner, 10 per case
	180mm x M14	180mm fibre discs	64859	5 per inner, 5 per case



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