

3M Science.
Applied to Life.™



3M™ Fibre Disc Range

Game on!

More than your average fibre discs.

An unbeatable combination of performance and value.

Best in class fibre discs from 3M.

In 2009, 3M set a new benchmark for abrasive speed and long life with the introduction of the 3M™ Cubitron™ II 9 Series fibre discs featuring the ground-breaking Precision Shaped Ceramic Grain technology.

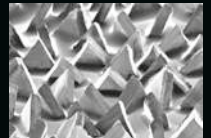
Since then, 3M abrasive products incorporating this technology have been helping to improve productivity and performance for customers in a wide range of applications.

What 3M Precision Shaped Ceramic Grain technology means for you:

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

How 3M Precision Shaped eramic Grain technology works:

3M Precision Shaped Ceramic Grain uses proprietary 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.



Which 3M fibre disc is best for the job?

Application	Fibre disc	Back-up pad hardness
Cleaning Scale removal		Soft High flexibility
Small weld removal on flat		Soft High flexibility
Light weld removal on edges		Semi flex Medium flexibility
Thick weld removal on flat		Medium/hard and ribbed Low flexibility
Edge grinding Heavy weld removal		Hard and ribbed Low flexibility

3M™ Cubitron™ II 9 Series

CUBITRON™ II

3M™ Cubitron™ II Fibre Disc 982C

For carbon and mild steel.

With the 982C, you get a disc that cuts faster, lasts longer and requires less grinding pressure than conventional abrasives. That means less operator fatigue, faster throughput and more parts per disc when tackling high pressure grinding applications.

3M™ Cubitron™ II Fibre Disc 987C

For stainless steel and more.

If you work with heat-sensitive materials like stainless steel, you'll appreciate the way the 987C disc digs in to cut faster, lasts longer and requires less grinding pressure than conventional abrasives. Saves time on applications including edge chamfering, beveling, weld removal and more.

3M™ Cubitron™ II Fibre Disc 982C

Part no.	Diameter	Arbour	Grade	Max. RPM	Box/units	Box/case	MOQ
27769	100mm	16mm	36+	15,200	25	4	100
27770	100mm	16mm	60+	15,200	25	4	100
27771	100mm	16mm	80+	15,200	25	4	100
55075	115mm	22mm	36+	13,300	25	4	100
27623	115mm	22mm	60+	13,300	25	4	100
27627	115mm	22mm	80+	13,300	25	4	100
55073	125mm	22mm	36+	12,000	25	4	100
27624	125mm	22mm	60+	12,000	25	4	100
27628	125mm	22mm	80+	12,000	25	4	100
27698	180mm	22mm	36+	8,600	25	4	100
27740	180mm	22mm	60+	8,600	25	4	100
27741	180mm	22mm	80+	8,600	25	4	100
27668	230mm	22mm	36+	6,600	25	4	100

3M™ Cubitron™ II Fibre Disc 987C

Part no.	Diameter	Arbour	Grade	Max. RPM	Box/units	Box/case	MOQ
27772	100mm	16mm	36+	15,200	25	4	100
27773	100mm	16mm	60+	15,200	25	4	100
27774	100mm	16mm	80+	15,200	25	4	100
27619	115mm	22mm	36+	13,300	25	4	100
27645	115mm	22mm	60+	13,300	25	4	100
27649	115mm	22mm	80+	13,300	25	4	100
27618	125mm	22mm	36+	12,000	25	4	100
27646	125mm	22mm	60+	12,000	25	4	100
27650	125mm	22mm	80+	12,000	25	4	100
27744	180mm	22mm	36+	8,600	25	4	100
27742	180mm	22mm	60+	8,600	25	4	100
27743	180mm	22mm	80+	8,600	25	4	100

3M™ 7 Series

3M™ Fibre Disc 782C

For carbon and mild steel.

Your ideal choice for carbon and 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 aluminium and titanium. Cuts cooler, faster and lasts longer than conventional ceramic discs in applications like weld removal, beveling, edge chamfering and more.

3M™ Fibre Disc 782C

Part no.	Diameter	Arbour	Grade	Max. RPM	Box/units	Box/case	MOQ
89713	100mm	16mm	36+	15,200	25	4	100
89717	100mm	16mm	60+	15,200	25	4	100
89721	100mm	16mm	80+	15,200	25	4	100
89714	115mm	22mm	36+	13,200	25	4	100
89718	115mm	22mm	60+	13,200	25	4	100
89722	115mm	22mm	80+	13,200	25	4	100
89715	125mm	22mm	36+	12,000	25	4	100
89719	125mm	22mm	60+	12,000	25	4	100
89723	125mm	22mm	80+	12,000	25	4	100
89716	180mm	22mm	36+	8,500	25	4	100
89720	180mm	22mm	60+	8,500	25	4	100
89724	180mm	22mm	80+	8,500	25	4	100

3M™ Fibre Disc 787C

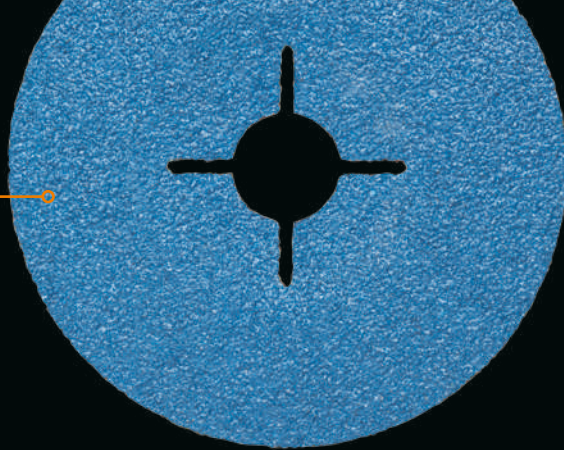
Part no.	Diameter	Arbour	Grade	Max. RPM	Box/units	Box/case	MOQ
89729	100mm	16mm	36+	15,200	25	4	100
89733	100mm	16mm	60+	15,200	25	4	100
89737	100mm	16mm	80+	15,200	25	4	100
89741	100mm	16mm	120+	15,200	25	4	100
89730	115mm	22mm	36+	13,200	25	4	100
89734	115mm	22mm	60+	13,200	25	4	100
89738	115mm	22mm	80+	13,200	25	4	100
89742	115mm	22mm	120+	13,200	25	4	100
89731	125mm	22mm	36+	12,000	25	4	100
89735	125mm	22mm	60+	12,000	25	4	100
89739	125mm	22mm	80+	12,000	25	4	100
89743	125mm	22mm	120+	12,000	25	4	100
89732	180mm	22mm	36+	8,500	25	4	100
89736	180mm	22mm	60+	8,500	25	4	100
89740	180mm	22mm	80+	8,500	25	4	100
89744	180mm	22mm	120+	8,500	25	4	100

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.



3M™ 5 Series



3M™ Fibre Disc 581C

A fit-for-purpose fibre disc for heavy, medium and light grinding applications. Good all round performer providing consistent quality finishes. Work horse of the aluminium zirconia fibre disc range performs well across all materials.

3M™ Fibre Disc 581C

Part no.	Diameter	Arbour	Grade	Max. RPM	Box/units	Box/case	MOQ
61740	100mm	16mm	P24	15,200	50	4	200
61741	100mm	16mm	P36	15,200	50	4	200
61743	100mm	16mm	P60	15,200	50	4	200
61747	115mm	22mm	P24	13,200	50	4	200
61748	115mm	22mm	P36	13,200	50	4	200
61749	115mm	22mm	P50	13,200	50	4	200
61750	115mm	22mm	P60	13,200	50	4	200
61751	115mm	22mm	P80	13,200	50	4	200
61753	115mm	22mm	P120	13,200	50	4	200
61754	125mm	22mm	P24	12,000	50	4	200
61755	125mm	22mm	P36	12,000	50	4	200
61756	125mm	22mm	P50	12,000	50	4	200
61757	125mm	22mm	P60	12,000	50	4	200
61758	125mm	22mm	P80	12,000	50	4	200
61760	125mm	22mm	P120	12,000	50	4	200
61761	180mm	22mm	P24	8,500	50	4	200
61762	180mm	22mm	P36	8,500	50	4	200
61763	180mm	22mm	P50	8,500	50	4	200
61764	180mm	22mm	P60	8,600	50	4	200
61765	180mm	22mm	P80	8,500	50	4	200
61767	180mm	22mm	P120	8,600	50	4	200

Back-up pads

3M Cubitron™ II Ribbed Back-Up Pad (for heavy stock removal)

Part no.	Size	Colour	Max. speed	Box units	Case units	MOQ
3M64860	115mm × M14 – 2.0	Red	13,200	10	1	10
64861	127mm × M14 – 2.0	Red	12,000	10	1	10
64862	178mm × M14 – 2.0	Red	8,500	10	1	10



3M High Performance Ribbed Back-Up Pad (for stock removal)

Part no.	Size	Colour	Max. speed	Box units	Case units	MOQ
9583	115mm × M14 – 2.0	Black	13,200	10	1	10
9584	127mm × M14 – 2.0	Black	12,000	10	1	10
9921	178mm × 16mm – M14 – 2.0	Black	8,500	5	1	5



3M Flat Semi-Flexible Back-Up Pad (for blending & finishing)

Part no.	Size	Colour	Max. speed	Box units	Case units	MOQ
3M7312	100mm × M10 – 1.5	Black	15,200	5	1	5
7306	115mm × M14 – 2.0	Black	13,200	5	1	5
9386	127mm × M14 – 2.0	Black	12,000	10	1	10
9387	178mm × M14 – 2.0	Black	8,500	5	1	5



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