

3M™ Fibre Discs

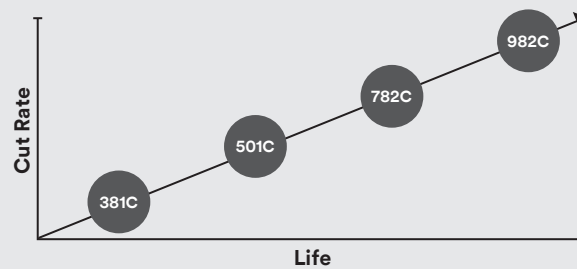
Choose the performance level that fits your needs with a complete offering of 3M™ Fibre Discs. Get great performance at a great price with the general purpose metalworking 3M™ Fibre Disc 381C. Or, set a new standard for productivity with 3M™ Cubitron™ II 982C Discs. All of 3M's fibre discs are available in a variety of sizes.

Selection Guide for Carbon Steel

For fast cutting when grinding and blending carbon steel.

Product	Mineral Type	Performance
3M™ Cubitron™ II Fibre Disc 982C	Precision-Shaped Grain	Premium
3M™ Fibre Disc 782C	Precision-Shaped Grain	Advanced
3M™ Fibre Disc 501C	Alumina Zirconia	Good
3M™ Fibre Disc 381C	Aluminum Oxide	Good

See digital catalog for additional product skus.

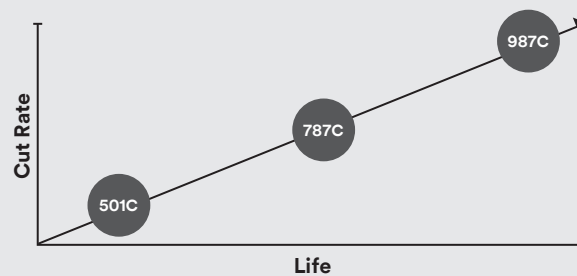


Selection Guide for Stainless Steel or Aluminum

For fast cutting when grinding and blending stainless steel or aluminum.

Product	Mineral Type	Performance
3M™ Cubitron™ II Fibre Disc 987C	Precision-Shaped Grain	Premium
3M™ Fibre Disc 787C	Precision-Shaped Grain	Advanced
3M™ Fibre Disc 501C	Alumina Zirconia	Good

See digital catalog for additional product skus.



3M™ Fibre Discs

3M™ Cubitron™ II Fibre Disc 982C

- 3M precision-shaped grain, engineered with ultra-sharp, fast cutting points that wear evenly, run cool, and optimize mineral breakdown to maximize life
- Best in class for weld prep and removal on carbon steel applications



UPC	Dia x Ctr Hole	Grade	Max RPM	Min/Case
051141-27400-3	4-1/2" x 7/8"	36+	13,300	25/100
051141-27631-1	4-1/2" x 7/8"	60+	13,300	25/100
051141-27635-9	4-1/2" x 7/8"	80+	13,300	25/100
051141-27401-0	5" x 7/8"	36+	12,000	25/100
051141-27632-8	5" x 7/8"	60+	12,000	25/100
051141-27636-6	5" x 7/8"	80+	12,000	25/100
051141-27402-7	7" x 7/8"	36+	8,600	25/100
051141-27633-5	7" x 7/8"	60+	8,600	25/100
051141-27637-3	7" x 7/8"	80+	8,600	25/100
051141-27403-4	9-1/8" x 7/8"	36+	6,600	25/100
051141-27634-2	9-1/8" x 7/8"	60+	6,600	25/100
051141-27638-0	9-1/8" x 7/8"	80+	6,600	25/100

TN Quick Change

051141-27425-6	4-1/2" x 5/8-11	36+	13,300	25/100
051141-27639-7	4-1/2" x 5/8-11	60+	13,300	25/100
051141-27642-7	4-1/2" x 5/8-11	80+	13,300	25/100
051141-27404-1	5" x 5/8-11	36+	12,000	25/100
051141-27640-3	5" x 5/8-11	60+	12,000	25/100
051141-27643-4	5" x 5/8-11	80+	12,000	25/100
051141-27405-8	7" x 5/8-11	36+	8,600	25/100
051141-27641-0	7" x 5/8-11	60+	8,600	25/100
051141-27644-1	7" x 5/8-11	80+	8,600	25/100

GL Quick Change

051141-27406-5	5" x 5/8-11	36+	12,000	25/100
051141-27724-0	5" x 5/8-11	60+	12,000	25/100
051141-27726-4	5" x 5/8-11	80+	12,000	25/100
051141-27407-2	7" x 5/8-11	36+	8,600	25/100
051141-27725-7	7" x 5/8-11	60+	8,600	25/100
051141-27727-1	7" x 5/8-11	80+	8,600	25/100

3M™ Cubitron™ II Fibre Disc 987C

- 3M precision-shaped grain, engineered with ultra-sharp, fast cutting points that wear evenly, run cool, and optimize mineral breakdown to maximize life
- Best in class for weld prep and removal on heat sensitive alloys such as stainless steel



UPC	Dia x Ctr Hole	Grade	Max RPM	Min/Case
051141-27447-8	4-1/2" x 7/8"	36+	13,300	25/100
051141-27653-3	4-1/2" x 7/8"	60+	13,300	25/100
051141-27657-1	4-1/2" x 7/8"	80+	13,300	25/100
051141-27448-5	5" x 7/8"	36+	12,000	25/100
051141-27654-0	5" x 7/8"	60+	12,000	25/100
051141-27658-8	5" x 7/8"	80+	12,000	25/100
051141-27449-2	7" x 7/8"	36+	8,600	25/100
051141-27655-7	7" x 7/8"	60+	8,600	25/100
051141-27659-5	7" x 7/8"	80+	8,600	25/100
051141-27450-8	9-1/8" x 7/8"	36+	6,600	25/100
051141-27656-4	9-1/8" x 7/8"	60+	6,600	25/100
051141-27660-1	9-1/8" x 7/8"	80+	6,600	25/100

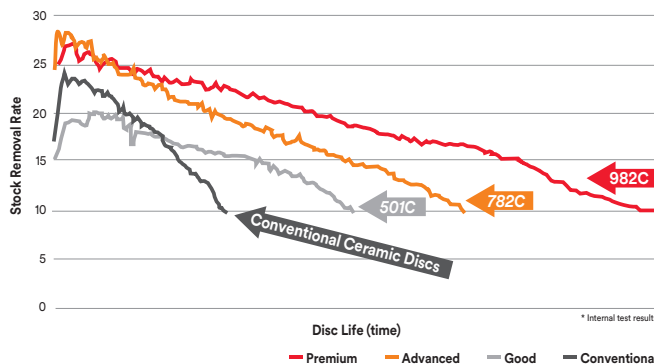
TN Quick Change

051141-27469-0	4-1/2"	36+	13,300	25/100
051141-27661-8	4-1/2"	60+	13,300	25/100
051141-27664-9	4-1/2"	80+	13,300	25/100
051141-27467-6	5"	36+	12,000	25/100
051141-27662-5	5"	60+	12,000	25/100
051141-27665-6	5"	80+	12,000	25/100
051141-27468-3	7"	36+	8,600	25/100
051141-27663-2	7"	60+	8,600	25/100
051141-27666-3	7"	80+	8,600	25/100

GL Quick Change

051141-27728-8	5"	36+	12,000	25/100
051141-27732-5	5"	80+	12,000	25/100
051141-27729-5	7"	36+	8,600	25/100
051141-27731-8	7"	60+	8,600	25/100
051141-27733-2	7"	80+	8,600	25/100

3M™ Fibre Discs Outlast Conventional Ceramic Discs



What's the difference between 3M™ Cubitron™ II Fibre Discs and 3M™ Fibre Discs with Precision-Shaped Grain?

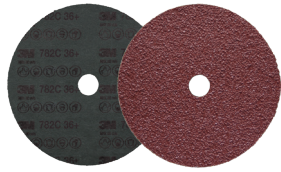
3M™ Cubitron™ II Fibre Discs provide a fast cut and very long life, making them an ideal choice for heavy volume production applications.

If your customer still wants a very fast cut but is price sensitive, or doesn't need the extreme long life of a 3M™ Cubitron™ II Disc, 3M™ Fibre Discs 782C is an ideal alternative that outlasts conventional ceramic discs.*

3M™ Fibre Discs

3M™ Fibre Disc 782C for Carbon Steel

- Ideal choice for carbon steel
- Offer a faster cut and longer life than alumina zirconia (AZ) and conventional ceramic abrasives
- These discs also require less grinding pressure for easier operation



UPC	Diameter*	Grade	Max RPM	Qty/Case
076308-89589-1	4-1/2" x 7/8"	36+	13,300	100
076308-89598-3	4-1/2" x 7/8"	60+	13,300	100
076308-89607-2	4-1/2" x 7/8"	80+	13,300	100
076308-89590-7	5" x 7/8"	36+	12,000	100
076308-89599-0	5" x 7/8"	60+	12,000	100
076308-89608-9	5" x 7/8"	80+	12,000	100
076308-89591-4	7" x 7/8"	36+	8,600	100
076308-89600-3	7" x 7/8"	60+	8,600	100
076308-89609-6	7" x 7/8"	80+	8,600	100
076308-89592-1	9-1/8" x 7/8"	36+	6,600	100
076308-89601-0	9-1/8" x 7/8"	60+	6,600	100
076308-89610-2	9-1/8" x 7/8"	80+	6,600	100

TN Quick Change

076308-89595-2	4-1/2" x 5/8-11	36+	13,300	100
076308-89604-1	4-1/2" x 5/8-11	60+	13,300	100
076308-89613-3	4-1/2" x 5/8-11	80+	13,300	100
076308-89596-9	5" x 5/8-11	36+	12,000	100
076308-89605-8	5" x 5/8-11	60+	12,000	100
076308-89614-0	5" x 5/8-11	80+	12,000	100
076308-89597-6	7" x 5/8-11	36+	8,600	100
076308-89606-5	7" x 5/8-11	60+	8,600	100
076308-89615-7	7" x 5/8-11	80+	8,600	100

*Other sizes available upon request.

Tech tip

Weld Blending Mild Steel for Paint Prep

Step 1 Fibre Disc 982C Grade 36+

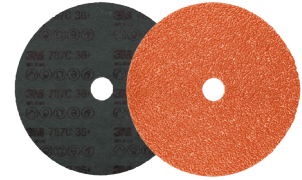
Step 2 Scotch-Brite™ Light Grinding and Blending Disc SD on black ribbed pad

Step 3 Apply 3 mil paint

Results Increase productivity; reduce abrasive cost

3M™ Fibre Disc 787C for Stainless Steel Non-Ferrous Metals

- Optimized 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
- Key Product Highlights:
 - Made with 3M Precision-Shaped Grain, for outstanding speed and long life
 - Great for grinding, weld removal, beveling and edge chamfering
 - Cuts cooler, faster and longer than alumina zirconia (AZ) and conventional ceramic abrasives



UPC	Diameter*	Grade	Max RPM	Qty/Case
076308-89627-0	4-1/2" x 7/8"	36+	13,300	100
076308-89636-2	4-1/2" x 7/8"	60+	13,300	100
076308-89645-4	4-1/2" x 7/8"	80+	13,300	100
076308-89654-6	4-1/2" x 7/8"	120+	13,300	100
076308-89628-7	5" x 7/8"	36+	12,000	100
076308-89637-9	5" x 7/8"	60+	12,000	100
076308-89646-1	5" x 7/8"	80+	12,000	100
076308-89655-3	5" x 7/8"	120+	12,000	100
076308-89629-4	7" x 7/8"	36+	8,600	100
076308-89638-6	7" x 7/8"	60+	8,600	100
076308-89647-8	7" x 7/8"	80+	8,600	100
076308-89656-0	7" x 7/8"	120+	8,600	100
076308-89630-0	9-1/8" x 7/8"	36+	6,600	100
076308-89639-3	9-1/8" x 7/8"	60+	6,600	100
076308-89648-5	9-1/8" x 7/8"	80+	6,600	100
076308-89657-7	9-1/8" x 7/8"	120+	6,600	100

TN Quick Change

076308-89633-1	4-1/2" x 5/8-11	36+	13,000	100
076308-89642-3	4-1/2" x 5/8-11	60+	13,000	100
076308-89651-5	4-1/2" x 5/8-11	80+	13,000	100
076308-89658-4	4-1/2" x 5/8-11	120+	13,000	100
076308-89634-8	5" x 5/8-11	36+	12,000	100
076308-89643-0	5" x 5/8-11	60+	12,000	100
076308-89652-2	5" x 5/8-11	80+	12,000	100
076308-89659-1	5" x 5/8-11	120+	12,000	100
076308-89635-5	7" x 5/8-11	36+	8,600	100
076308-89644-7	7" x 5/8-11	60+	8,600	100
076308-89653-9	7" x 5/8-11	80+	8,600	100
076308-89660-7	7" x 5/8-11	120+	8,600	100

*Other sizes available upon request.

3M™ Fibre Discs

3M™ Fibre Discs 381C

- General purpose disc for weld removal, grinding and blending
- Resin bond aluminum oxide provides durability and aggressive stock removal



UPC	Dia x Ctr Hole	Grade	Max RPM	Min/Case
051144-77595-8	4-1/2" x 7/8"	24	13,300	25
051144-77596-5	4-1/2" x 7/8"	36	13,300	25
051144-77597-2	4-1/2" x 7/8"	50	13,300	25
051144-77598-9	4-1/2" x 7/8"	60	13,300	25
051144-77599-6	4-1/2" x 7/8"	80	13,300	25
051144-77600-9	4-1/2" x 7/8"	100	13,300	25
051144-77601-6	4-1/2" x 7/8"	120	13,300	25
051144-81369-8	5" x 7/8"	24	12,000	25
051144-81372-8	5" x 7/8"	36	12,000	25
051144-81375-9	5" x 7/8"	50	12,000	25
051144-01727-0	5" x 7/8"	60	12,000	25
051144-20054-2	5" x 7/8"	80	12,000	25
051144-20053-5	5" x 7/8"	100	12,000	25
051144-20052-8	5" x 7/8"	120	12,000	25
051144-01745-4	7" x 7/8"	16	8,600	25
051144-81370-4	7" x 7/8"	24	8,600	25
051144-81373-5	7" x 7/8"	36	8,600	25
051144-81376-6	7" x 7/8"	50	8,600	25
051144-01741-6	7" x 7/8"	60	8,600	25
051144-01740-9	7" x 7/8"	80	8,600	25
051144-01739-3	7" x 7/8"	100	8,600	25
051144-01738-6	7" x 7/8"	120	8,600	25
051144-01762-1	9-1/8" x 7/8"	80	6,600	25
051144-01761-4†	9-1/8" x 7/8"	100	6,600	25
051144-01760-7†	9-1/8" x 7/8"	120	6,600	25

†Made-to-Order

3M™ Fibre Discs 501C

- Versatile disc for use on a wide variety of metals
- Aluminum zirconia provides a good option for stainless, aluminum and mild steel applications



UPC	Dia x Ctr Hole	Grade	Max RPM	Min/Case
051111-50409-3	4-1/2" x 7/8"	24	13,300	25/100
051111-50413-0	4-1/2" x 7/8"	36	13,300	25/100
051111-50414-7	4-1/2" x 7/8"	50	13,300	25/100
051111-50415-4	4-1/2" x 7/8"	60	13,300	25/100
051111-50416-1	4-1/2" x 7/8"	80	13,300	25/100
051111-50417-8	4-1/2" x 7/8"	100	13,300	25/100
051111-50419-2	4-1/2" x 7/8"	120	13,300	25/100
051111-50410-9	5" x 7/8"	24	12,000	25/100
051111-50412-3	5" x 7/8"	36	12,000	25/100
051111-50420-8	5" x 7/8"	50	12,000	25/100
051111-50421-5	5" x 7/8"	60	12,000	25/100
051111-50422-2	5" x 7/8"	80	12,000	25/100
051111-50423-9	5" x 7/8"	100	12,000	25/100
051111-50424-6	5" x 7/8"	120	12,000	25/100
051111-50411-6	7" x 7/8"	24	8,600	25/100
051111-50426-0	7" x 7/8"	36	8,600	25/100
051111-50425-3	7" x 7/8"	50	8,600	25/100
051111-50427-7	7" x 7/8"	60	8,600	25/100
051111-50428-4	7" x 7/8"	80	8,600	25/100
051111-50430-7†	7" x 7/8"	120	8,600	25/100
051111-50432-1†	9-1/8" x 7/8"	24	6,600	25/100
051111-50434-5†	9-1/8" x 7/8"	50	6,600	25/100

†Made-to-Order

Tech tip

Use 3M™ Disc Pad Face Plates – Red Ribbed to optimize product life of 3M™ Cubitron™ II Fibre Discs – grade 36+.

Choose from a range of diameters: 4-1/2" (28443), 5" (81732), 7" (80514), 9" (81728).

Note: See 3M™ Disc Pad Face Plate Accessories on page 23 for more information.

