

The combination of 3M's trusted abrasive brands delivers a powerful solution for stainless steel, reducing steps and optimizing your finishing process for better outcomes.







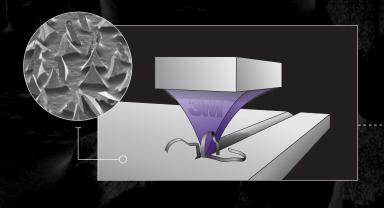
Scotch-Brite™

Contents

Technology	4
Key Performance Essentials	6
3 Steps to Stainless Steel Finishing	7
#3 or #4 Finishing	8
Measured Finish	10
Random Orbital Finish	12
Weld Cleaning	14
Product Order Details – Consumables	16
Product Order Details – Tools and Accessories	18



Technology that transforms how work gets done



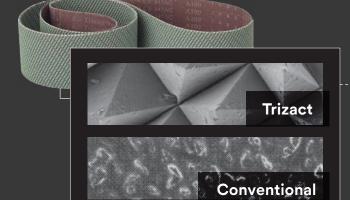
Cubitr

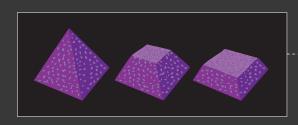
n

Performance Abrasives

Re-engineered precision-shaped ceramic grain using a proprietary breakthrough in grain shape with curved sides.







Trizact

The Difference is in the Construction

Trizact abrasives allow you to say "goodbye" to erratic, inconsistent finishes generated by conventional coated abrasives. Here's why:

Three-dimensional structures uniformly distributed over the entire surface of 3M™ Trizact™ Abrasives (top) ensure consistent performance and eliminate belt-to-belt variation. Conventional abrasives (bottom), which feature randomly arranged minerals, wear and finish unevenly.

Conventional abrasives start out sharp, but they dull quickly.

3M™ Trizact™ Abrasives have three-dimensional structures

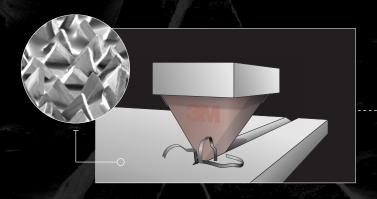
containing multiple layers of abrasive mineral. As these pyramid-like structures wear, fresh, sharp mineral is exposed.

See how our proprietary technology breakthroughs can lead to exceptional performance gains

 helping to make stainless steel processing more productive and designed to create a safer working environment for operators.

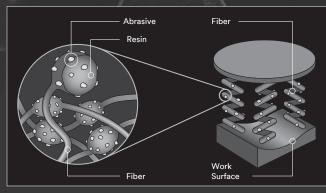
In this guide we show how combining these technologies into sequential process steps can take process transformation to another level!







3M pioneered the first precision-shaped grain using micro-replication technology to form consistent sharp peaks that "slice" – cooler cut, longer life and fast!





Scotch-Brite™



3M™ Precision-Shaped Grain and nonwoven abrasives combine the benefits of two 3M technologies. A transformation in speed and life without sacrificing the smooth finish expected from Scotch-Brite™ products.

Key Performance Essentials

Processing stainless steel is usually demanding and needs to meet the high finish requirements demanded by industry. It requires more precision and more processing steps to get to the right finish compared to mild steel. Working with high-quality abrasives can deliver results quicker and easier, minimizing failures and costs to the business.

Processing stainless steel is usually demanding and needs to meet the high requirements of the customers

Compared to mild steel it is a more expensive substrate and requires more precision and more processing steps to get to the right finish.

Also, each failure is more expensive, so working with high-quality abrasives can deliver results quicker and easier, minimizing failures and costs to the business.



Quality finish

- + Consistent, predictable and high-quality finish
- + Minimized risk of heat damage can lead to cracks and pitting that can cause corrosion



Productivity

- + Repeatable manufacturing process
- + Fewer consumables used



Time

- + Less time spent on each step
- + Less time to get the desired result

Dealing with heat related risks

Clean weld discoloration

If weld is not removed, the radial bristle brush cleans away the weld discoloration for a brighter and cleaner finish

- + Outstanding cleaning speed
- + No risk of damaging the part
- + Safe to use, no flying wires or chemical vapors



Reduce heat impact when grinding

Avoid excessive heat imparted to the substrate by minimizing processing time

- + 166% faster sustained cut rate¹
- + Grinding aid for cooler cutting

Cubitron™ 3 Fibre Disc 1187 80+

Scotch-Brite™ Precision Radial Bristle Brush Cubitron™ 3 Fibr

'Sustained Cut Rate: 80+ Stainless Steel: The 'sustained cut rate' claim is determined from averaging the cut/cycle from cycles 5-24 (20 cycles total, which is approximately 4 minutes of grinding) Units for stainless steel will be (Grams/cycle)

3 Steps to Stainless Steel Finishing

Processing may involve weld removal and finishing steps to achieve final finish required or match surface finish to the original pattern. With our dedicated solutions you can build your Winning Combination that help you get to required finish in just 3 steps!

Finish it Faster.

with winning combinations from 3M.

Whenever weld removal is involved, our solutions will help you get excellent finish base in just 2 steps. Save time by reducing weld grinding time and steps to refine, always with best finish results!



Weld Leveling

- + Fastest solutions for weld grinding
- + Leave fine grind lines, quick to refine



Refine/Set Grain

- + Smooth finish helping reduce steps
- Consistency and quality results in less steps

Just two steps to get to fine finish base. Dedicated solutions combining best speed with fine finish results. Both in disc and belt forms.

Superior Finish.

With no compromise.

The final stage demands a flawless finish with minimal steps and part-to-part consistency. Our unique solutions ensure a superior, fast finish, every time. Built for best and predictable results.



Fine Finish

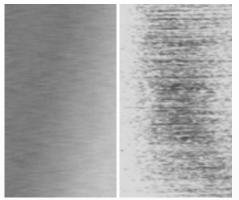
Range of grits to help achieve final finish profile for different finish requirement without excessive grinding, reducing steps.



#3 or #4 Finish

Brushed: matte, coarser finish with fine parallel lines. Less reflective, modern aesthetics.

Satin: smooth linear pattern and soft surface reflection.



Industries



Interior, Exterior Design



Metal Furniture



Professional Kitchens, Filtration

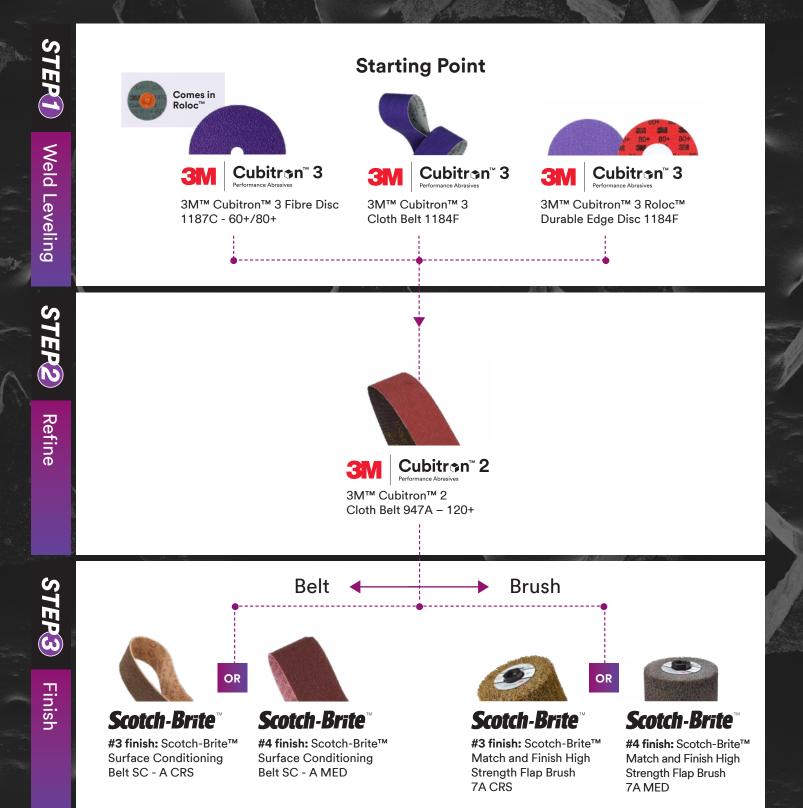


Elevators, Escalators





#3 or #4 Finish - Combination Builder



Measured Finish

Measured standard required in food/liquid contact.

Slightly reflective, 'cloudy' mirror appearance.

Step wise Trizact sequence achieving required finish.



Industries



Tanks and Vessels

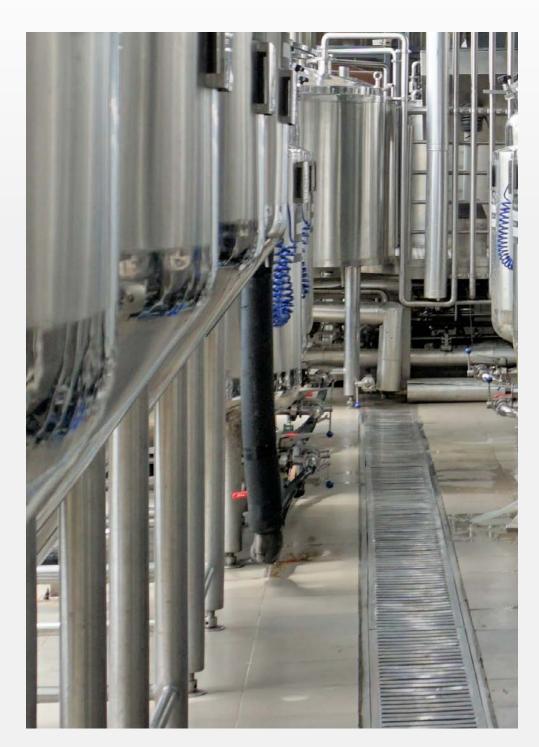


Food Processing Machinery

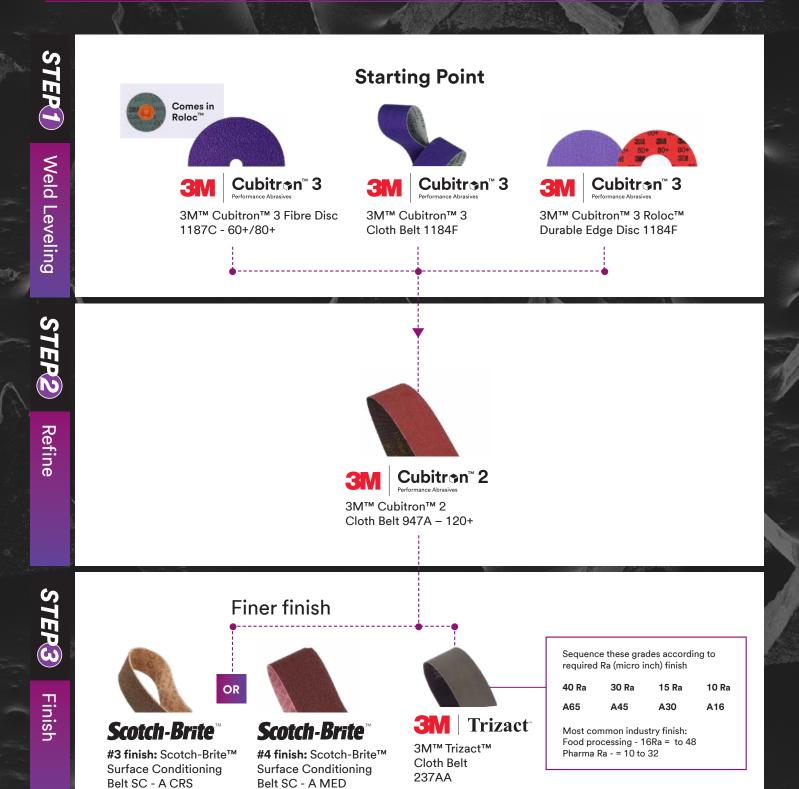


Pharma and Chemical Machinery





Measured Finish - Combination Builder



Random Orbital Finish

Consistent non-directional pattern across the surface.

Practical for commercial use. Help conceal scratches across high-contact areas.

Used on carbon steel in prep for paint coatings (LINK)



Industries

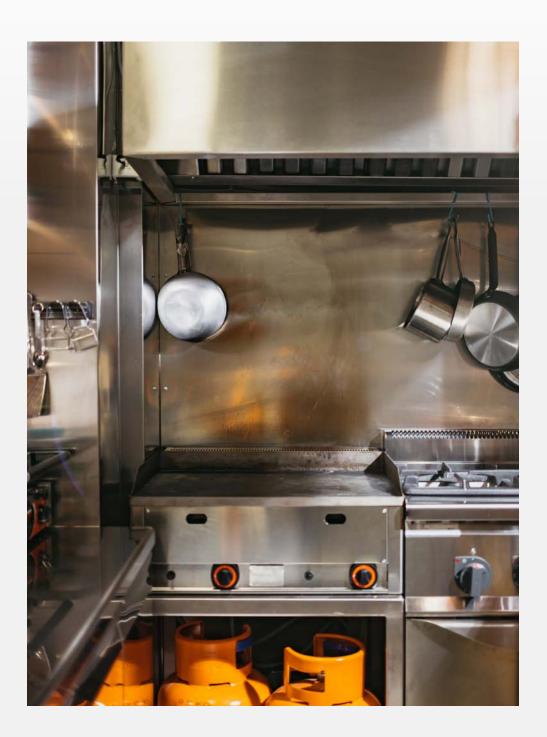


Interior, Exterior Design

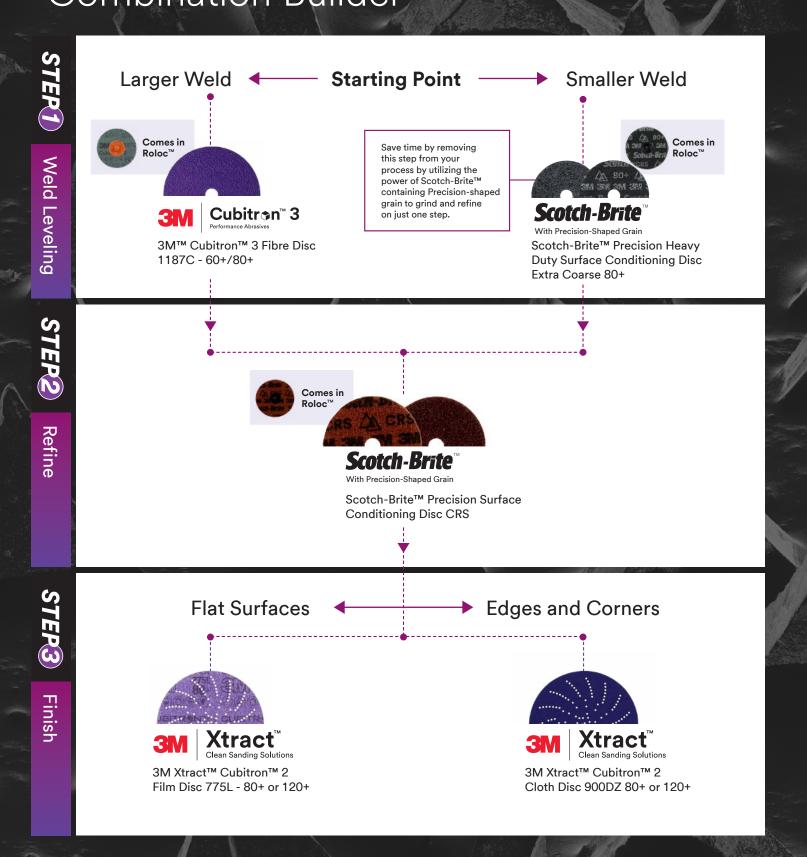


Metal Furniture





Random Orbital Finish Combination Builder

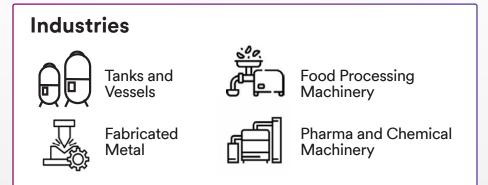


Weld Cleaning

Optimal surface contact without gouging, changing the base material or removing the weld.

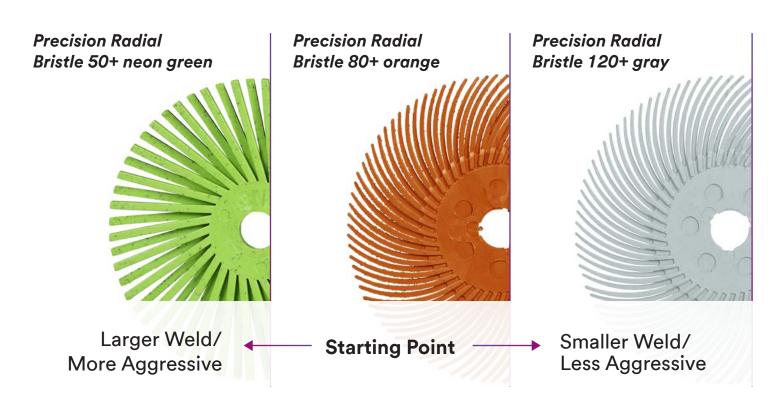
Conforms to contoured parts and can reach narrow and hard to reach areas.

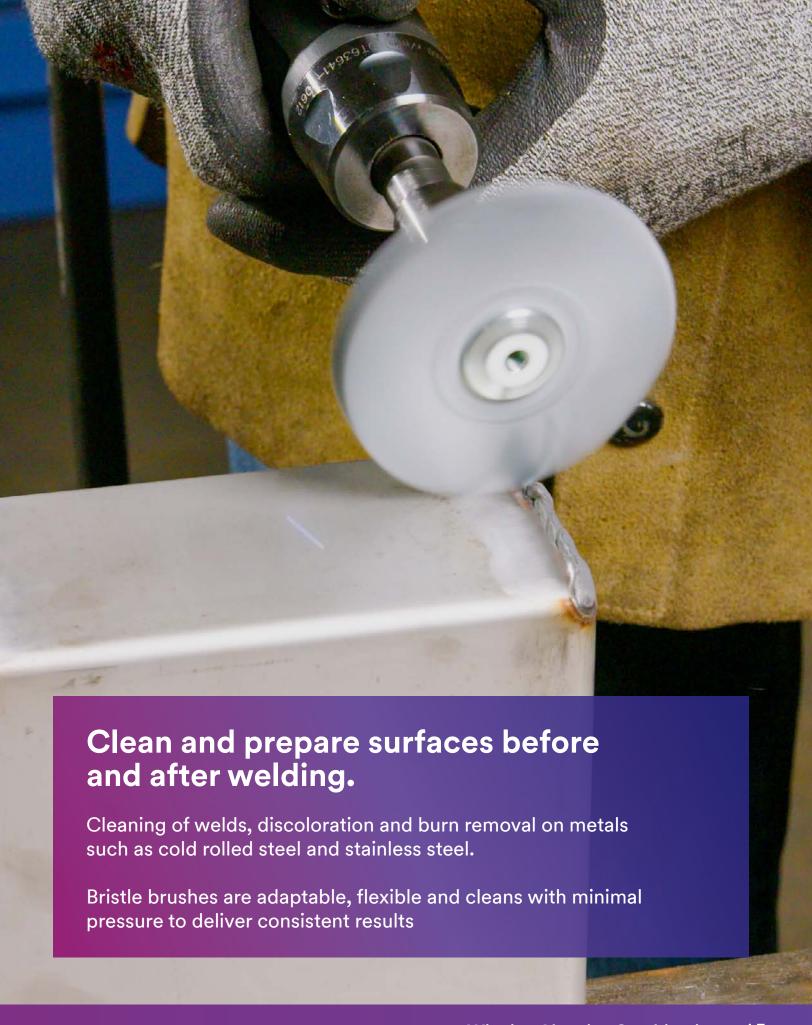












Product Order Details

Available in additional sizes, grades, and attachment types. Scan the code for full product details.

Cubitron Discs

3M Xtract™ Cubitron™ 2 Film Disc 775L





3M ID/Product ID	Grade	Size	RPM
7100045070	80+	5 in	12,000
7100045071	120+	5 in	12,000
7100045072	80+	6 in	12,000
7100045073	120+	6 in	12,000

3M Xtract™ Cubitron™ 2

Cloth Disc 900DZ





3M ID/Product ID	Grade	Size	RPM
7100284531	80+	5 in	12,000
7100284520	120+	5 in	12,000
7100284530	80+	5 in	12,000
7100284508	120+	5 in	12,000

3M™ Cubitron™ 3 Roloc™ Fibre Disc 1187C



3M ID/Product ID	Grade	Size	RPM
7100331745	60+	2 in	25,000
7100331753	80+	2 in	25,000
7100332087	60+	3 in	20,000
7100332088	80+	3 in	20,000
7100332089	80+	4 in	12,000

3M™ Cubitron™ 3 Fibre Disc 1187C





3M ID/Product ID	Grade	Size	RPM
7100349499	60+	5 in	12,000
7100349604	80+	5 in	12,000
7100349589	60+	4.5 in	13,300
7100349681	80+	4.5 in	13,300

3M™ Cubitron™ 3 Roloc™ **Durable Edge Disc 1184F**



3M ID/Product ID	Grade	Size	RPM
7100331410	60+	2 in	25,000
7100332404	80+	2 in	25,000
7100331725	60+	3 in	20,000
7100332405	80+	3 in	20,000

Scotch-Brite Discs







3M ID/Product ID	Grade	Size	RPM
7100264091	XCRS	2 in	25,000
7100264090	CRS	2 in	25,000
7100264198	XCRS	3 in	20,000
7100264197	CRS	3 in	20,000

Scotch-Brite™ Roloc™ **Precision Heavy Duty Surface Conditioning Disc**





3M ID/Product ID	Grade	Size	RPM
7100359489	CRS	2 in	25,000
7100359486	CRS	2 in	25,000
7100359479	XCRS	2 in	25,000
7100359477	XCRS	2 in	25,000
7100359490	XXCRS	2 in	25,000
7100359904	XXCRS	2 in	25,000
7100359491	CRS	3 in	20,000
7100359481	XCRS	3 in	20,000
7100359753	XXCRS	3 in	20,000

Scotch-Brite Discs

Scotch-Brite™ **Precision Surface Conditioning Disc**





	historia di Santa di	Charles .	
3M ID/Product ID	Grade	Size	RPM
7100263910	CRS	4.5 in	13,300
7100263903	XCRS	4.5 in	13,300
7100263886	CRS	4.5 in	13,300
7100263887	XCRS	4.5 in	13,300
7100263892	XCRS	5 in	12,000
7100263891	CRS	5 in	12,000
7100263918	XCRS	5 in	12,000
7100263915	CRS	5 in	12,000

Scotch-Brite™ **Precision Heavy Duty Surface Conditioning Disc**



3M ID/Product ID	Grade	Size	RPM
7100358903	CRS	4.5 in	13,300
7100358856	CRS	4.5 in	13,300
7100358872	XCRS	4.5 in	13,300
7100359465	XCRS	4.5 in	13,300
7100358902	XXCRS	4.5 in	13,300
7100359467	XXCRS	4.5 in	13,300
7100358904	CRS	5 in	12,000
7100359468	CRS	5 in	12,000
7100358924	XCRS	5 in	12,000
7100359474	XCRS	5 in	12,000
7100358905	XXCRS	5 in	12,000
7100359469	XXCRS	5 in	12,000

Belts

Scotch-Brite™ Surface **Conditioning Belt**





3M™ Trizact™ Cloth Belt 237AA





3M ID/Product ID	Grade	Size - in (w x l)	3M ID/Product ID	
7000120716	A CRS	1/2 in x 24 in	7000028337	Α
7000045943	A MED	1/2 in x 24 in	7000120271	Α
7000045944	A VFN	1/2 in x 24 in	7000028338	Α
7000028433	A CRS	3.5 in x 15.5 in	7000028335	Α
7000028435	A MED	3.5 in x 15.5 in	7100179924	Α
7000028436	A VFN	3.5 in x 15.5 in	7000120322	Α
			7000120270	Δ

3M™ Cubitron™ 3 Cloth Belt 1184F





3M ID/Product ID	Grade	Size - in (w x l)		
7100358075	60+	3.5 in x 15.5 in		
7100354016	80+	3.5 in x 15.5 in		
7100354019	60+	1/2 in x 24 in		
7100354018	80+	1/2 in v 2/1 in		

3M ID/Product ID	Grade	Size - in (w x l)
7000028337	A65	3.5 in x 15.5 in
7000120271	A45	3.5 in x 15.5 in
7000028338	A30	3.5 in x 15.5 in
7000028335	A16	3.5 in x 15.5 in
7100179924	A65	1/2 in x 24 in
7000120322	A30	1/2 in x 24 in
7000120270	A45	1/2 in x 24 in
7100179903	A16	1/2 in x 24 in

3M™ Cubitron™ 2 Cloth Belt 947A





3M ID/Product ID	Grade	Size - in (w x I)
7100050305	120+	3.5 in x 15.5 in
7100099868	120+	1/2 in x 24 in

Brushes

Scotch-Brite™ Match and Finish High Strength Flap Brush





3M ID/Product ID	Grade	Size - in (w x I)
7000121170	7A CRS	4-1/2 in x 4 in x 5/8 in-11
7000121171	7A MED	4-1/2 in x 4 in x 5/8 in-11

Scotch-Brite™ **Precision Radial Bristle Brush**





3M ID/Product ID	Grade	Size	RPM
7100374712	50+	6 in	6,000
7100374909	80+	6 in	6,000
7100374847	120+	6 in	6,000
7100375404	80+	6 in	6,000
7100374846	120+	6 in	6,000

Tools

3M Xtract™ **Electric Random Orbital Sander**

7100254310

7100254306

7100253819

7100254313

3M ID/Product ID



5 in

5 in

6 in

6 in

Part Number

88762

88758

88760

88764

Dimension



İ		
	RPM	

10,000

10,000

10,000

10,000

3M™ Inline Sander





3M ID/Product ID	Part Number	Dimension	RPM
7100106789	28339	5/8 in x 11 in	3,500
7000045254	28338	5/8 in x 11 in	3,500

3M™ Disc Sander

3M ID/Product ID

7100075504

7100075503

7100075502

7100075505

7100142325

7100142459



2 in

2 in

2 in

2 in

2 in

2 in

Part Number

20231

28328

28341

28329

20232

25125



RPM

15,000

15,000

15,000 15,000

20,000

20,000

3M™ Electric Grinders 1900W, 220-240V, 11,500 Max RPM, M14





3M ID/Product ID	Part Number	Dimension	RPM
7100337004	11130	4.5-5 in	9,300
7100336788	11131	6 in	11,500
7100336685	11129	4.5 in x 5 in	11,500

3M™ File **Belt Sander**





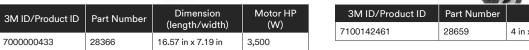
Motor HP (W)	
3,500	

3M™ Match and Finish Sander





3M ID/Product ID	Part Number	Dimension	RPM	
7100142461	28659	4 in x 5/8 in x 11 in	3,500	





Accessories

For Inline Sander

3M™ Rubber Slotted Expander Wheel



3M ID/ Product ID	For Use With	Size/Description	Max RPM	Qty/ Case
7000028221		5 in x 3-1/2 in, 5/8 in Arbor Hole	3,500	1
7000028222	For use with belts	3-2/5 in x 3 in, 5/8 in Arbor Hole	3,500	1
7100073953	or 3 in x 10-11/16 in	3 in x 3 in x 5/8-11 in IN	6,000	1
7100030184		5 in x 3-1/2 in x 1 in AH	3,500	1

3M™ Wheel

Adapter Kit 28419



3M ID/Product ID	Part Number	Dimension
7010362498	28419	1/2-20 EXT x 5/8-11 INT
7000028423	45038	5/8-11 EXT x 5/8-11 INT
7100050705	28719	1 × 5/8-11 INT

3M™ Wheel Adapter Kit 45038



3M ID/ Product ID	For Use With	Size/Description	Max RPM	Qty/ Case
7000028423	To mount wheels with 5/8 – 1in center holes on 3M Inline Sanders	5/8-11 in EXT ex 5/8-11 in INT	See MOS of wheel	1

3M™ Spindle Extender Kit



3M ID/ Product ID	For Use With	Size/Description	Max RPM	Qty/ Case
7000121185	To mount wheels with 5/8-1in center holes on 3M Inline Sanders	Part 300	See MOS of wheel	1

For Match and Finish Sander

3M™ Rubber Slotted Expander Wheel



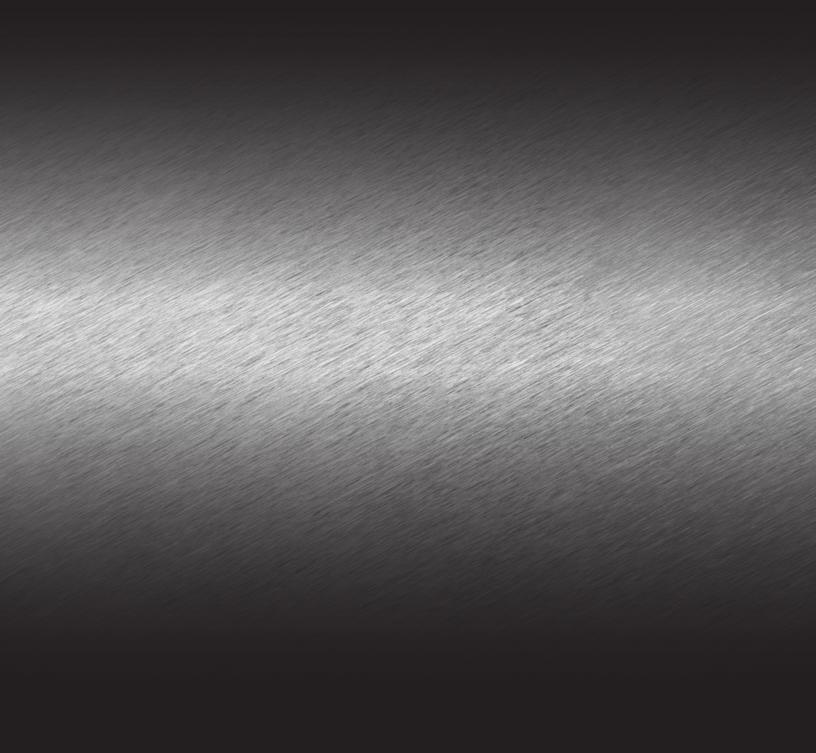
3M ID/ Product ID	For Use With	Size/Description	Max RPM	Qty/ Case
7100030184	Rubber slotted expander wheel for use with 3-1/2 in x 15-1/2 belts	5 in x 3-1/2 in x 1 in AH	3,500	1

3M™ Rubber Slotted Expander Kit



3M ID/ Product ID	For Use With	Size/Description	Max RPM	Qty/ Case
700050705	Inline sander, bench grinders, bench motors, bench top tools	1 in x 5/8-11 in INT	3,500	1







3M Abrasive Systems 3M Center, Building 223-6N-02 St. Paul, MN 55144 USA

Phone 1-866-279-1235 Web 3M.com/Abrasives 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 applicables safety regulations, may result in injury, sickness, death, and/or harm to properly. Disclaimer: 3M industrial and occupational products are intended, labeled, or packaged for sale to to use by consumers (e.g., for home, personal, primary or secondary school, resonable product packaging or literature, these products are not intended, labeled, or packaged for sale to or use by consumers (e.g., for home, personal, primary or secondary school, resonable product packaging or literature, these products are not intended, labeled, or packaged for sale to or use by consumers (e.g., for home, personal, primary or secondary school, rether products are not described in the applicable product packaging or literature, and the limitations, and the user must take any action required under any recall, field action or her product user on the subject in the applicable product packaging or literature, user instructions, warnings, and other limitations, and the user must take any action required under any recall, field action or her product use of 3M industrial and occupational products in infury, sickness, death, or property damage. For help with product selection and use, consult your on-site safety professional, industrial hygienist, or other subject matter expert. For additional product information, visit www.3M.com. Warranty and Limited Remedy; Unless a different warranty specifically stated on the applicable 3M product packaging or product lit