



# Smarter Performance

with 3M technology



Atherstone Manufacturing Plant

### The 3M Customer Technical Centre

Located at the 3M Atherstone UK manufacturing plant, the Customer Technical Centre has been established to help you identify the most cost effective combination of abrasives, power tools and techniques for your particular application.

### The 3M Customer Service Team

To find out more information on the huge range of abrasives and accessories 3M manufacture please contact our Customer Service Team on:

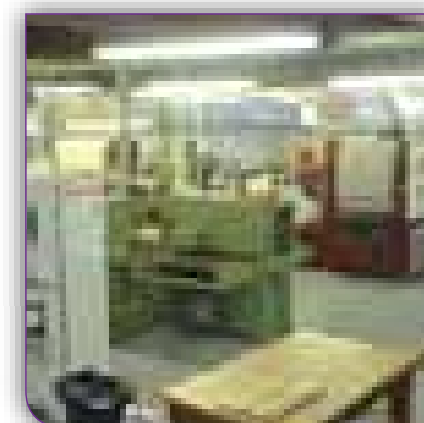
**+44 (0)870 60 800 90** or visit **3M.co.uk/abrasives**

### 3M Health & Safety Helpline

For advice on the correct personal protective equipment telephone:

**0870 60 800 60 (United Kingdom) 1 800 320 500 (Ireland)**

Available Monday to Friday - 9.00am until 5.00pm



Atherstone Customer Technical Centre



# Abrasive solutions at your fingertips

The 3M Abrasive Systems Catalogue has been designed to make it as easy as possible for you to find the details you require about our range of world-class abrasive products.

Products are grouped into 10 colour-coded sections. At the back of the guide you will find a more detailed Product Finder and Part Number Index to help you locate specific items, as well as a range of useful appendices which explain our technologies, product coding and other general characteristics of the range in a little more detail.

## Product information is structured as follows:

The screenshot shows a product page for '3M Green Corps Flexible Grinding Discs'. Callouts point to various sections: 'Product family' (Grinding Discs), 'Product name and code' (3M Green Corps Flexible Grinding Discs), 'Product construction' (Mineral Structure, 3M Cubitron Abrasive Grain, Resin bonded), 'Product and application pictures' (two images of discs), 'Suitable materials and substrates' (Metal), 'Typical applications' (Weld grinding, de-scaling, heavy deburring, grinding of bare-metal parts), 'Product benefits' (Engineered to provide a fast cut and uniform finish with reduced operator fatigue; Contributes to reduction in noise, dust and hand-arm vibration levels), and 'SKU data, including part number' (a table of product specifications).

NET DESCRIPTION	SIZE mm	GRADE	MG/SPM	UNITS PER INNER	UNITS PER OUTER	MOQ	PART NO.
20 deep plus 2 back-up pads	100 x 3 x 22	F36	15,000	1	10	10	60100
20 deep plus 2 back-up pads	115 x 3 x 22	F36	15,000	1	10	10	60200
20 deep plus 2 back-up pads	125 x 3 x 22	F36	12,000	1	10	10	60304
20 deep plus 2 back-up pads	180 x 3 x 22	F36	8000	1	5	5	60308

## Unrivalled support for advanced results

The experienced 3M Customer Service Team can provide you with further support and information.

Tel: 0870 60 800 90

Email: [abrasives.uk@mmm.com](mailto:abrasives.uk@mmm.com)

Web: [3M.co.uk/abrasives](http://3M.co.uk/abrasives)

3M, Scotch-Brite, Trizact, Green Corps, Cubitron, Hookit, Stikit, Wetordry, Fre-Cut, Xodust, Finesse-It, Cubitron II, Roloc and Roloc+ are trademarks of 3M Company © 3M 2011. All rights reserved.

# Contents

Discs	<ul style="list-style-type: none"> <li>Grinding Discs</li> <li>Fibre Discs</li> <li>Flap Discs</li> </ul>	<ul style="list-style-type: none"> <li>Hookit™ &amp; Stikit™ Discs</li> <li>Scotch-Brite™ Discs</li> <li>Microfinishing Discs</li> </ul>	12	DISCS
3M™ Roloc™ Quick Release System	<ul style="list-style-type: none"> <li>Fibre Discs • Cloth Discs</li> <li>Surface Conditioning Discs</li> <li>Bristle</li> </ul>	<ul style="list-style-type: none"> <li>Flap Brushes</li> <li>Unitised Wheels</li> <li>Clean &amp; Strip Discs</li> </ul>	36	ROLOC
Bristle Abrasives	<ul style="list-style-type: none"> <li>Bristle Brushes</li> <li>Bristle Discs</li> </ul>		58	BRISTLE
Wheels	<ul style="list-style-type: none"> <li>Cut Off Wheels</li> <li>Deburring &amp; Finishing Wheels</li> <li>Unitised Wheels</li> </ul>	<ul style="list-style-type: none"> <li>Flap Wheels</li> <li>Flap Brushes</li> </ul>	66	WHEELS
Belts	<ul style="list-style-type: none"> <li>3M™ Cubitron™ Belts</li> <li>Scotch-Brite™ Belts</li> </ul>	<ul style="list-style-type: none"> <li>3M™ Trizact™ Belts</li> </ul>	88	BELTS
Hand Sanding	<ul style="list-style-type: none"> <li>Handpads</li> <li>Sanding Sponges</li> </ul>	<ul style="list-style-type: none"> <li>Cleaning Cloths &amp; Accessories</li> <li>Flexible Diamond Abrasives</li> </ul>	98	HAND SANDING
Sheets	<ul style="list-style-type: none"> <li>Paper Sheets</li> <li>Stikit™ Sheets</li> </ul>	<ul style="list-style-type: none"> <li>Hookit™ Sheets</li> <li>Cloth Sheets</li> </ul>	110	SHEETS
Rolls	<ul style="list-style-type: none"> <li>Paper Rolls</li> <li>Cloth Rolls</li> <li>Scotch-Brite™ Rolls</li> </ul>		120	ROLLS
Power Tools	<ul style="list-style-type: none"> <li>Air-Powered Tools</li> <li>Electric Tools</li> </ul>		130	TOOLS
Index & Appendices			148	INDEX

# The Future is Now.

## 3M™ Cubitron™ II Abrasive Technology

Leave conventional abrasives in the past and do more than you thought possible with Cubitron™ II Precision Shaped Grain products.

3M has raised the bar for abrasive performance and productivity thanks to a breakthrough technology that re-writes the rules for speed, consistency and product life.

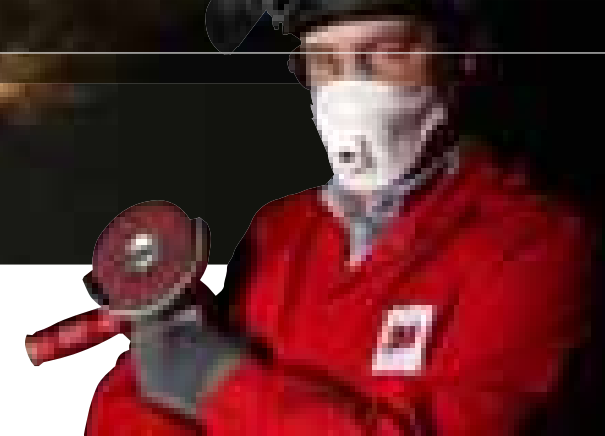
### Grade Comparison

P100			
P80			
P60			80+
P50		60+	
P40			
P36			
P30	36+		
P24			

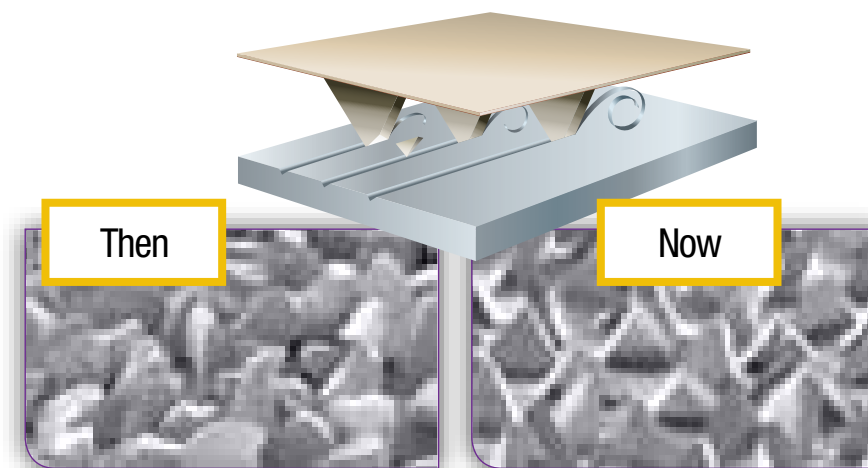


Get more work done in less time

## CUBITRON™ II

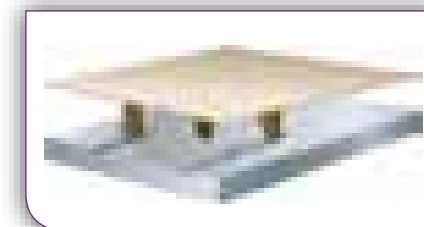


Cubitron II abrasives are comprised of precisely-shaped, uniformly-sized and vertically-oriented triangles of ceramic aluminium oxide. These self-sharpening triangles are designed to fracture as they wear, continuously forming new, super-sharp points and edges that slice cleanly through the metal like a knife, instead of gouging or plowing. This prevents heat from building up in the workpiece – reducing heat-related stress cracks and discoloration. And, because the abrasive itself stays cooler and sharper, it lasts up to four times as long as conventional ceramic grain belts!



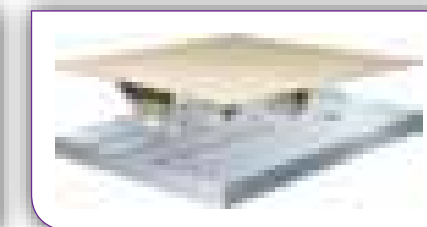
Triangular-shaped grain (right image) is electrostatically oriented to form sharp peaks, each acting like individual cutting tools that slice through metal, wear evenly and provide super-long life and consistency at any grinding pressure

Conventional ceramic grain is irregular and blocky in shape.



Instead of a clean, machining action, the grain tends to 'plough' through the metal. This causes heat to build up in the workpiece - resulting in a slower cut and shorter life.

Precision shaped grain is electrostatically oriented to form sharp peaks.



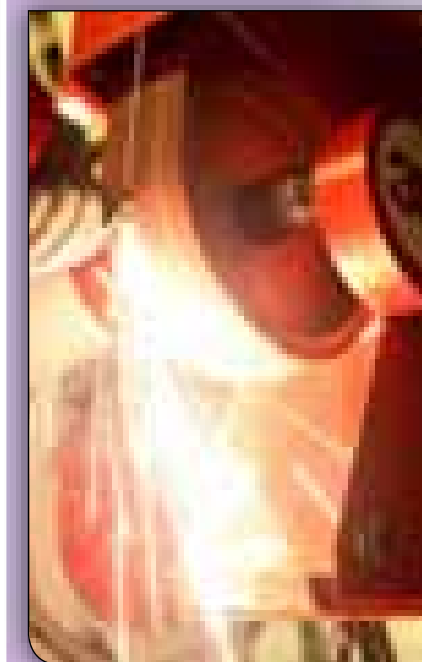
As the precision shaped grain wears, it continuously fractures to form sharp points and edges that results in a faster, cooler cutting action.

### Unique + grades for revolutionary products

Multiple grading systems have been created as mineral technology evolves, and Cubitron™ II abrasives are no exception.

Engineered triangular shapes can't be boxed into the screens used for grading today. Precision Shaped Grain is bigger, better, faster and longer lasting than ANSI-graded abrasives thanks to the clean cut provided by the sharp minerals that cut through metal.

You can count on 3M to meet or beat your current grinding process time.



[3M.co.uk/cubitronII](http://3M.co.uk/cubitronII)

## 3M™ Trizact™ Structured Abrasives

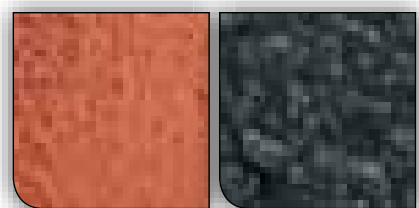
3M Trizact Structured Abrasives offer the ultimate solution for precision finishing work. Core to this technology are the micro- and macro-replicated coatings of precisely positioned structures on the backing: the continual exposure of fresh mineral ensures a consistent, even wear, ideal for achieving a pristine finish on delicate or intricate components. In addition, the abrasive surface lasts several times longer than conventional coated abrasives, leading to a range of cost-saving benefits.



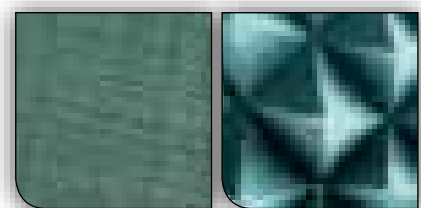
### Benefits

- Ideal product for fine finishing, both high precision and cosmetic/visual finishing
- Designed to save production time
  - fewer steps needed to achieve the required finish
  - reduced rework
  - fresh cutting surfaces continually exposed, resulting in extended belt life reduced frequency of belt changes
- Improved quality of finish
  - precise, repeatable finishes from part to part
  - mineral coating consistency eliminates wild scratches

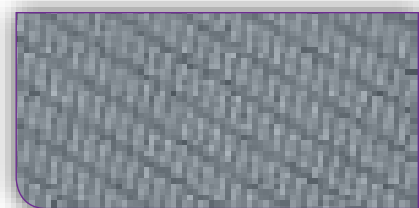
### Conventional — Trizact Microreplicated — Trizact Macroreplicated



Randomly arranged mineral; uneven wear and finish



Tiny, 3D pyramids uniformly distributed over the surface; consistent performance, wear and extremely fine finishes



Large, 3D structures uniformly distributed over the surface; extends the consistent cut and finish of Trizact into earlier finishing operations

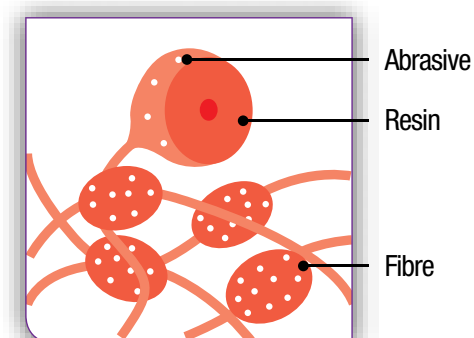
## Scotch-Brite™ Surface Conditioning Products

Scotch-Brite Non-Woven Web binds together synthetic fibres and abrasive particles to create a conformable, three-dimensional material. Its open structure reduces the risk of warping or discolouring the part, and resists loading to help improve finish and prolong product life. The web is engineered to continually expose fresh abrasive to the work surface, producing a consistent, superior finish whilst reducing the likelihood of over-working the part and disturbing critical tolerances.



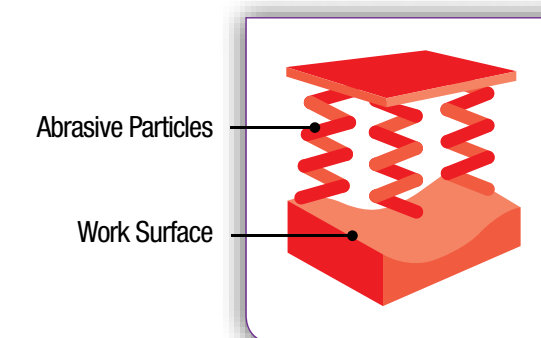
### Scotch-Brite Non-Woven Web Technology

#### 3D Open Web



Abrasive  
Resin  
Fibre

#### Spring Action



Abrasive Particles  
Work Surface

- A tough, non-woven nylon web impregnated with resin and mineral throughout its structure
- Spring-like action produces a burr-free surface
- Provides uniform consistent results with no undercutting
- Suitable for deburring, finishing, cleaning and small weld removal applications
- Easy to use; less rework and expense due to fewer rejects

Designed for a  
longer  
more effective  
working life

# 3M™ Roloc™ Quick Release System

The easy-to-use 3M Roloc Quick Release System enables operators to select the 3M product most suited to the application, and change product or grade quickly with a simple twist-off, twist-on motion.

## 3M Roloc and Roloc+ Quick Release System

### 3M Roloc Quick Release System

- 3M Roloc Discs are designed for use on the face of the disc
- Available in a range of products for grinding, finishing, deburring and cleaning applications
- The 3M Roloc Back-Up Pad assures secure fixing with rapid grade or product change
- Can be used with 3M Roloc Rubber Back-Up Pads or 3M Roloc Plastic Holders No. 1, 2, 3 or 4
- Colour coded fixings for easy grade recognition (please see below for details)



### 3M Roloc+ Quick Release System

- 3M Roloc+ Discs/Brushes are designed for use on the edge and have a longer shaft for extra strength
- Available in a range of products for finishing, deburring and cleaning applications
- The 3M Roloc Plastic Holder assures secure fixing with rapid grade or product change
- To be used with all 3M Roloc+ Plastic Holders (excluding Roloc Rubber Back-Up Pads)



### 3M Roloc Abrasive Disc Grade and Button Colour Chart

Grade	Button	Grade	Button	Grade	Button	Grade	Button
P24	Black	P50	Green	P100	Blue	P180	Brown
P36	Brown	P60	Orange	P120	White	P240	Green
P40	Red	P80	Yellow	P150	Black		

# 3M™ Power Tools

Whether you are cutting, grinding, blending or finishing, 3M now offers a line of quality air & electric tools designed to optimise tool and abrasive performance. Advanced design features increase operator comfort and each tool is balanced for superior results when used with 3M abrasives and accessories from our existing range. All tools are backed by a 12 month warranty and comprehensive servicing arrangements.

### Power

Engineered to deliver an impressive power to weight ratio, the new range of 3M Power Tools offer outstanding results.

### Performance

To achieve the best possible result simply combine the superior properties of 3M Abrasives and Accessories with the high performance and durability of a 3M Power Tool.

### Perfection

Once you get your hands on the 3M Power Tool Abrasive System you'll feel the difference straight away. Every component has been engineered to work in perfect harmony to give you a better result on virtually any surface.

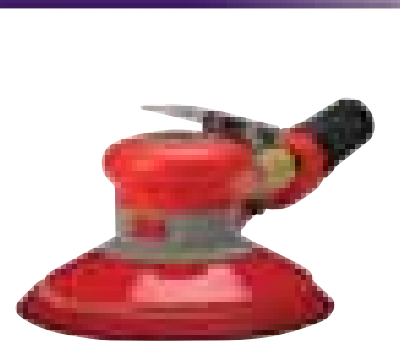
# Power. Performance. Perfection.





# Discs

AO	Aluminium Oxide
AZ	Alumina Zirconia
Cu	3M™ Cubitron™ Abrasive Grain
SC	Silicon Carbide
T	3M™ Trizact™ Structured Abrasive
CL	Closed coat
OP	Open coat
SL	Slurry coated
R	Resin bond
RG	Resin over glue bond
F	Fibre
XF	X-weight cloth on reinforced glass fibre resin
X	X-weight cloth
A	A-weight paper
C	C-weight paper
D	D-weight paper
E	E-weight paper
L	Film
HF	Hook-faced
H	3M™ Hookit™ Hook & Loop Fastening System
S	3M™ Stikit™ Self Adhesive Fastening System
RF	Rigid fibreglass
FC	3M™ Fre-Cut™ Anti-Loading Coating
CP	Centre-Pin System
S	Spindle mounted
GA	Grinding Aid



3M Air-Powered Random Orbital Sander

## Grinding, Fibre & Flap Discs

MATERIAL	Page	Mineral	Coating	Bond	Backing	Features	1200	1000	800	600	500	400	360	320	280	240	220	180	150	120	100	80	80+	60	60+	50	40	36	36+	24
Green Corps	14	Cu		R																										
3M 982C	15	Cu II	CL	R	F																									
3M 987C	16	Cu II	CL	R	F	GA																								
3M 985C	17	Cu	CL	R	F	GA																								
3M 581C	18	AZ	CL	R	F																									
3M 556D	19	AZ	CL	R	X																									

## Scotch-Brite Cleaning & Finishing Discs

MATERIAL	Page	Mineral	Coating	Bond	Backing	Features	Type T	ULFN	VFN	FIN	MED	CFS	XGRS	Heavy Duty	Super Duty
SC-DH	20	AO	-	-	H	CP									
SC-DB	21	AO	-	-	F	-									
Lap Mop	22	AO	-	-	-	-									
XL-UD	23	AO	-	-	-	-									
XT-DC (Purple)	24	SC	-	-	-	-									
XT-ZS (Purple)	24	SC	-	-	-	S									
XT-DB (Purple)	24	SC	-	-	F	-									
XT-RD (Purple)	24	SC	-	-	RF	-									
CG-DC (Blue)	25	SC	-	-	-	-									
CG-ZS (Blue)	25	SC	-	-	-	S									
CG-DB (Blue)	25	SC	-	-	F	-									
CG-RD (Blue)	25	SC	-	-	RF	-									

## Hookit & Stikit Discs

MATERIAL	Page	Mineral	Coating	Bond	Backing	Features	Attachment	1200	1000	800	600	500	400	360	320	280	240	220	180	150	120	100	80	60	50	40	36	24	
Purple	26	Cu		R	C	FC	H																						
3M 255P	27	AO	CL	R	C	FC	H																						
3M 245	28	AO	OP	R	E	H/S																							
3M 338U	29	AO		R	C	FC	H/S																						

## Microfinishing Discs

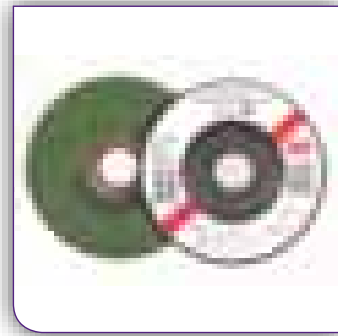
MATERIAL	Page	Mineral	Coating	Bond	Backing	Features	Ungraded	A5	A10	A35	7µ	9µ	15µ	20µ	30µ	40µ	50µ	60µ	80µ	100µ	120µ	150µ	180µ	
3M 266L	31	AO	CL	R	L	FC																		
3M 268L	32	AO		R	L																			
3M 286Q	33	AO	SL																					
3M 486Q	33	AO	SL																					
3M 268XA	34	AO	T		L																			
3M 568XA	34	CO	T		L																			

See 3M Coated Abrasives Technical Information and Scotch-Brite Technical Information for further details

# 3M™ Green Corps™ Flexible Grinding Discs

# 3M™ 982C

**Mineral** 3M™ Cubitron™ Abrasive Grain  
**Structure** Resin bonded



**Benefits**

- Engineered to provide a fast cut and uniform finish with reduced operator fatigue
- Contributes to reduction in noise, dust and hand-arm vibration levels

**Applications**

- Weld grinding, de-scaling, heavy deburring, deflashing of flame-cut parts

**Materials**

- Metal



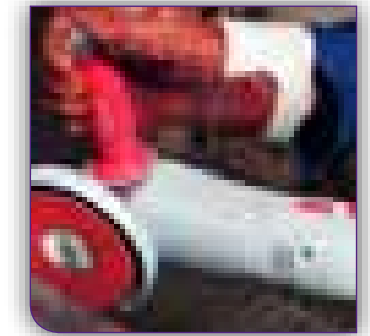
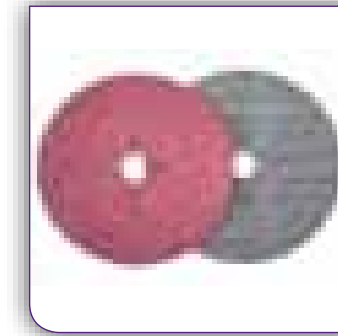
**Green Corps Flexible Grinding Disc Kits**

KIT DESCRIPTION	SIZE mm	GRADE	MOS (RPM)	KITS PER INNER	KITS PER OUTER	MOQ	PART NO.
20 discs plus 2 back-up pads	100 x 3 x 16	P36	15,000	1	10	10	60105
20 discs plus 2 back-up pads	115 x 3 x 22	P36	13,000	1	10	10	60630
20 discs plus 2 back-up pads	125 x 3 x 22	P36	12,000	1	10	10	60634
20 discs plus 2 back-up pads	180 x 3 x 22	P36	8000	1	5	5	A60638

**Green Corps Flexible Grinding Disc Back-Up Pads**

SIZE mm	USE WITH	MOS (RPM)	UNITS PER INNER	UNITS PER OUTER	MOQ	PART NO.
86 x 16	100mm disc	15,000	5	100	100	60110
100 x 22	115/125mm disc	13,000	5	100	100	60642
117 x 22	180mm disc	8000	5	100	100	60643

**Mineral** 3M™ Cubitron™ II Precision Shaped Grain  
**Backing** Fibre  
**Coating** Closed  
**Bond** Resin



**Benefits**

- 3M's highest performance fibre disc range designed for optimum results
- Precision shaped ceramic grain provides engineered stock removal capabilities

**Applications**

- Weld grinding, stock removal and blending

**Materials**

- All metals



SIZE mm	GRADE	MOS (RPM)	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO.
100 x 16	36+	15,200	25	100	100	27769
100 x 16	60+	15,200	25	100	100	27770
100 x 16	80+	15,200	25	100	100	27771
115 x 22	36+	13,200	25	100	100	55075
115 x 22	60+	13,200	25	100	100	27623
115 x 22	80+	13,200	25	100	100	27627
127 x 22	36+	12,000	25	100	100	55073
127 x 22	60+	12,000	25	100	100	27624
127 x 22	80+	12,000	25	100	100	27628
180 x 22	36+	8,500	25	100	100	27698
180 x 22	60+	8,500	25	100	100	27740
180 x 22	80+	8,500	25	100	100	27741

For details of all new Cubitron II products please contact your local 3M Representative or Distributor

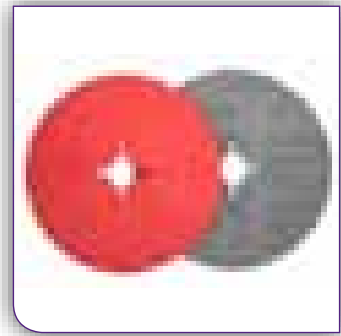




# 3M™ 987C

# 3M™ 985C

- Mineral** 3M™ Cubitron™ II Precision Shaped Grain
- Backing** Fibre
- Coating** Closed
- Bond** Resin
- Features** Grinding aid



### Benefits

- 3M's highest performance fibre disc range designed for optimum results
- Precision shaped ceramic grain provides engineered stock removal capabilities

### Applications

- Weld grinding, stock removal and blending

### Materials

- All metals



SIZE mm	GRADE	MOS (RPM)	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO.
100 x 16	36+	15,200	25	100	100	27772
100 x 16	60+	15,200	25	100	100	27773
100 x 16	80+	15,200	25	100	100	27774
115 x 22	36+	13,200	25	100	100	27619
115 x 22	60+	13,200	25	100	100	27645
115 x 22	80+	13,200	25	100	100	27649
127 x 22	36+	12,000	25	100	100	27618
127 x 22	60+	12,000	25	100	100	27646
127 x 22	80+	12,000	25	100	100	27650
180 x 22	36+	8,500	25	100	100	27740
180 x 22	60+	8,500	25	100	100	27742
180 x 22	80+	8,500	25	100	100	27743

### Accessories for use with 3M Fibre Discs

DESCRIPTION	SIZE	USE WITH	PADS PER INNER	PADS PER OUTER	MOQ	PART NO.
Cubitron II Fibre Disc	115mm x M14 - 2.0	115mm CII fibre discs	10	10	10	64860
High Performance Back Up Pad (for stock removal)	127mm x M14 - 2.0	127mm CII fibre discs	10	10	10	64861
	180mm x M14 - 2.0	180mm CII fibre discs	10	10	10	64862

- Mineral** 3M™ Cubitron™ Abrasive Grain
- Backing** Fibre
- Coating** Closed
- Bond** Resin
- Features** Grinding aid



### Benefits

- Premium product with an aggressive cut and long life, recommended for high pressure applications where value can be measured
- Grinding aid reduces heat build-up to give a cooler cut on heat sensitive metals

### Applications

- Weld grinding, stock removal and grinding

### Materials

- All metals



SIZE mm	GRADE	MOS (RPM)	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO.
100 x 16	P36	15,200	25	100	100	61334
100 x 16	P60	15,200	25	100	100	61336
100 x 16	P80	15,200	25	100	100	61337
115 x 22	P24	13,200	25	100	100	61340
115 x 22	P36	13,200	25	100	100	61341
115 x 22	P50	13,200	25	100	100	61342
115 x 22	P60	13,200	25	100	100	61343
115 x 22	P80	13,200	25	100	100	61344
127 x 22	P36	12,000	25	100	100	61348
127 x 22	P50	12,000	25	100	100	61349
127 x 22	P60	12,000	25	100	100	61350
127 x 22	P80	12,000	25	100	100	61351
178 x 22	P24	8,500	25	100	100	61354
178 x 22	P36	8,500	25	100	100	61355
178 x 22	P50	8,500	25	100	100	61356
178 x 22	P60	8,500	25	100	100	61357
178 x 22	P80	8,500	25	100	100	61358

### Accessories for use with 3M Fibre Discs

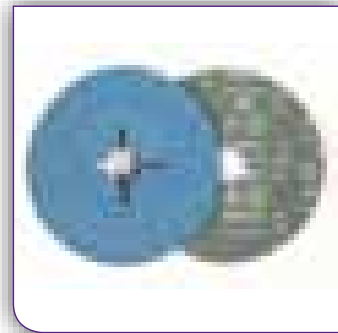
DESCRIPTION	SIZE	USE WITH	PADS PER INNER	PADS PER OUTER	MOQ	PART NO.
High Performance Ribbed Back Up Pad (for stock removal)	178mm x 5/8" Whit / M14 - 2.0	178mm fibre discs	5	5	5	09921
	127mm x M14 - 2.0	127mm fibre discs	10	10	10	09584
	115mm x M14 - 2.0	115mm fibre discs	10	10	10	09583
Flat Semi-Flexible Pad (for blending & finishing)	178mm x 5/8 Whit / M14 - 2.0	178mm fibre discs	5	5	5	09387
	127mm x M14 - 2.0	127mm fibre discs	10	10	10	09386
	115mm x M14 - 2.0	115mm fibre discs	5	5	5	07306
	100mm x M10 - 1.5	100mm fibre discs	10	10	10	07312



# 3M™ 581C

# 3M™ 556D

**Mineral** Alumina zirconia  
**Backing** Fibre  
**Coating** Closed  
**Bond** Resin



**Benefits**

- Good performance and a consistent quality finish at an economical price
- Conveniently packaged with 50 discs on a reusable disc clamping system, for easy storage and retention of disc shape and form

**Applications**

- Grinding and finishing weld seams, containers, machine parts; steel construction; industrial maintenance; general sheet metal and workshop applications

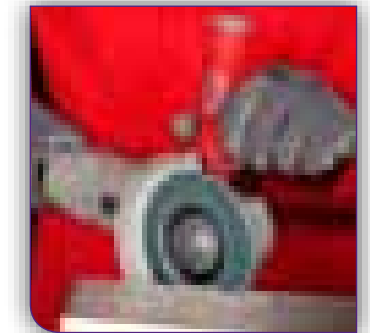
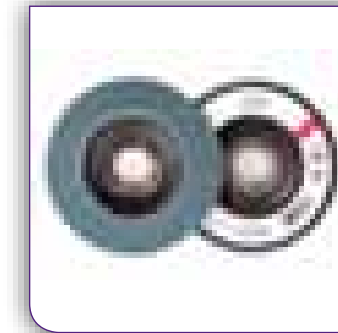
**Materials**

- All metals



SIZE mm	GRADE	MOS (RPM)	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO.
100 x 16 (No slots)	P24	15,200	50	200	200	61740
100 x 16 (No slots)	P36	15,200	50	200	200	61741
100 x 16 (No slots)	P60	15,200	50	200	200	61743
100 x 16 (No slots)	P80	15,200	50	200	200	61744
115 x 22 (With slots)	P24	13,200	50	200	200	61747
115 x 22 (With slots)	P36	13,200	50	200	200	61748
115 x 22 (With slots)	P50	13,200	50	200	200	61749
115 x 22 (With slots)	P60	13,200	50	200	200	61750
115 x 22 (With slots)	P80	13,200	50	200	200	61751
115 x 22 (With slots)	P120	13,200	50	200	200	61753
125 x 22 (With slots)	P24	12,000	50	200	200	61754
125 x 22 (With slots)	P36	12,000	50	200	200	61755
125 x 22 (With slots)	P50	12,000	50	200	200	61756
125 x 22 (With slots)	P60	12,000	50	200	200	61757
125 x 22 (With slots)	P80	12,000	50	200	200	61758
125 x 22 (With slots)	P120	12,000	50	200	200	61760
180 x 22 (With slots)	P24	8,500	50	200	200	61761
180 x 22 (With slots)	P36	8,500	50	200	200	61762
180 x 22 (With slots)	P50	8,500	50	200	200	61763
180 x 22 (With slots)	P60	8,500	50	200	200	61764
180 x 22 (With slots)	P80	8,500	50	200	200	61765
180 x 22 (With slots)	P120	8,500	50	200	200	61767

**Mineral** Alumina zirconia  
**Backing** X-weight cotton cloth on reinforced glass fibre resin  
**Coating** Closed  
**Bond** Resin



**Benefits**

- Good performance at an economical price
- Available in P120 for finer blending, refining and finishing work

**Applications**

- Weld grinding, stock removal, deburring, deflashing, gate removal, edge chamfering, cleaning, blending and finishing

- **Materials**
- All metals

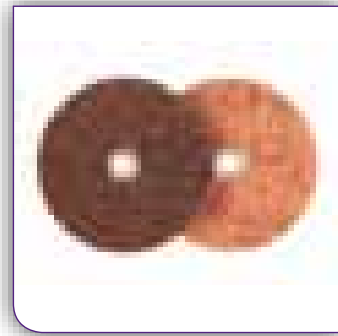


TYPE	SIZE mm	GRADE	MOS (RPM)	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO.
Flat	100 x 16	P40	13,200	10	10	10	61780
Flat	100 x 16	P60	13,200	10	10	10	61781
Flat	115 x 22	P40	13,200	10	10	10	61788
Flat	115 x 22	P60	13,200	10	10	10	61789
Flat	115 x 22	P80	13,200	10	10	10	61790
Flat	115 x 22	P120	13,200	10	10	10	61791
Flat	125 x 22	P40	12,000	10	10	10	61796
Flat	125 x 22	P60	12,000	10	10	10	61797
Flat	125 x 22	P80	12,000	10	10	10	61798
Flat	125 x 22	P120	12,000	10	10	10	61799
Flat	180 x 22	P40	8,500	10	10	10	61804
Flat	180 x 22	P60	8,500	10	10	10	61805
Flat	180 x 22	P80	8,500	10	10	10	61806
Flat	180 x 22	P120	8,500	10	10	10	61807
Conical	100 x 16	P40	13,200	10	10	10	61776
Conical	100 x 16	P60	13,200	10	10	10	61777
Conical	115 x 22	P40	13,200	10	10	10	61784
Conical	115 x 22	P60	13,200	10	10	10	61785
Conical	115 x 22	P80	13,200	10	10	10	61786
Conical	115 x 22	P120	13,200	10	10	10	61787
Conical	125 x 22	P40	12,000	10	10	10	61792
Conical	125 x 22	P60	12,000	10	10	10	61793
Conical	125 x 22	P80	12,000	10	10	10	61794
Conical	125 x 22	P120	12,000	10	10	10	61795
Conical	180 x 22	P40	8,500	10	10	10	61800
Conical	180 x 22	P60	8,500	10	10	10	61801
Conical	180 x 22	P80	8,500	10	10	10	61802
Conical	180 x 22	P120	8,500	10	10	10	61803

## Scotch-Brite™ Surface Conditioning Discs SC-DH

## Scotch-Brite™ Surface Conditioning Discs SC-DB

**Mineral** Aluminium oxide  
**Backing** Hook and loop



### Benefits

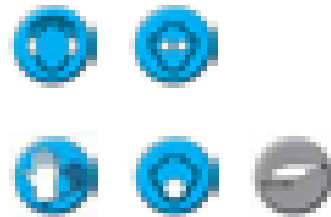
- Centre Pin system contributes to a reduction in hand-arm vibration and prevents fly off
- Ability to remove small weld whilst simultaneously blending and finishing

### Applications

- Small weld removal with Super Duty
- Removal of rust and cleaning of flat metal parts
- Removing discolouration and residual sealants, surface preparation prior to coating or painting and reducing roughness after sanding

### Materials

- All metals



SIZE mm	GRADE	MOS (RPM)	COLOUR	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO.
100 x 16	AVFN	13,000	Blue	25	25	25	421223
100 x 16	AMED	13,000	Maroon	25	25	25	408207
100 x 16	ACRS	13,000	Lt Brown	25	25	25	430399
100 x 16	Heavy Duty	13,000	Dk Brown	25	25	25	444653
100 x 16	Super Duty	13,000	Black	25	25	25	444654
115 x 22	AVFN	12,000	Blue	20	20	20	60983
115 x 22	AMED	12,000	Maroon	20	20	20	60982
115 x 22	ACRS	12,000	Lt Brown	20	20	20	60981
115 x 22	Heavy Duty	12,000	Dk Brown	20	20	20	445223
115 x 22	Super Duty	12,000	Black	20	20	20	450343
178 x 22	AVFN	6000	Blue	20	20	20	60987
178 x 22	AMED	6000	Maroon	20	20	100	60986
178 x 22	ACRS	6000	Lt Brown	20	20	20	60985
178 x 22	Heavy Duty	6000	Dk Brown	20	20	20	445211
178 x 22	Super Duty	6000	Black	20	20	20	445219

### Accessories for use with SC-DH

DESCRIPTION	SIZE	USE WITH	PADS PER INNER	PADS PER OUTER	MOQ	PART NO.
Centre-Pin Back Up Pad	100mm M10 x 1.5"	100mm SC-DH	1	5	5	61677
	100mm M14	100mm SC-DH	1	5	5	61678
	100mm 5/8"	100mm SC-DH	1	5	5	61679
	115mm M14	115mm SC-DH	1	5	5	61680
	178mm M14	178mm SC-DH	1	5	5	61682
	178mm 5/8"	178mm SC-DH	1	5	5	61683

**Mineral** Aluminium oxide  
**Backing** Fibre backed



### Benefits

- Fibre backed disc performs well in applications where increased pressure is required, particularly when used on edges and corners

### Applications

- Removing rust and cleaning flat metal parts; removing discolouration and residual sealants; surface preparation after weld seam removal, prior to coating or painting; reducing roughness after sanding; small weld removal with Super Duty grade

### Materials

- All metals



SIZE mm	GRADE	MOS (RPM)	COLOUR	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO.
100 x 16	ACRS	15,200	Lt Brown	10	10	10	00571
100 x 16	Super Duty	15,200	Dark Purple	40	40	40	61948
115 x 22	ACRS	13,200	Lt Brown	20	20	20	61132
115 x 22	Super Duty	13,200	Dark Purple	40	40	40	61947
178 x 22	ACRS	8500	Lt Brown	10	10	10	61133
178 x 22	Super Duty	8500	Dark Purple	40	40	40	61945

### Accessories for use with 3M Fibre Discs

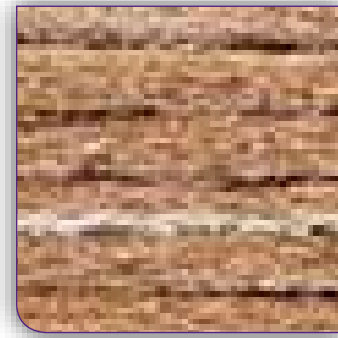
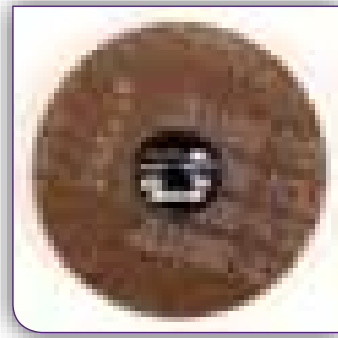
DESCRIPTION	SIZE	USE WITH	PADS PER INNER	PADS PER OUTER	MOQ	PART NO.
Flat Semi-Flexible Pad (for blending & finishing)	178mm x 5/8 Whit / M14 - 2.0	178mm fibre discs	5	5	5	09387
	127mm x M14 - 2.0	127mm fibre discs	10	10	10	09386
	115mm x M14 - 2.0	115mm fibre discs	5	5	5	07306
	100mm x M10 - 1.5	100mm fibre discs	10	10	10	07312

## Scotch-Brite™ Lap Mops

## Scotch-Brite™ EXL Unitised Disc XL-UD

DISCS

**Mineral** Aluminium oxide  
**Construction** Six discs bound together for mounting on a tapered spindle



### Benefits

- Designed to be mounted on a tapered spindle, these products are flexible and conformable
- Available in two long-life grades for a variety of applications

### Applications

- Satin finishing and light deburring of shaped components

### Materials

- All metals



SIZE mm	GRADE	COLOUR	MOS (RPM)	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO.
100 x 6 discs	AVFN	Maroon	6000	8	8	8	09964
100 x 6 discs	AMED	Maroon	6000	8	8	8	09965
150 x 6 discs	AVFN	Maroon	4000	4	4	4	09968
150 x 6 discs	AMED	Maroon	4000	4	4	4	09969

**Mineral** Aluminium oxide / Silicon carbide  
**Backing** Unitised  
**Coating** Fine, Coarse



### Benefits

- Consistent results throughout product life
- Will not change the geometry of the workpiece
- Produces uniform surface finishes without chatter marks, especially on stainless steel

### Applications

- Use to achieve a striking, unique finish on stainless steel and other metals

### Materials

- All metals



SIZE mm	GRADE	COLOUR	MAX RPM	WHEELS PER INNER	WHEELS PER OUTER	MOQ (wheels)	PART NO.
115 x 22	2SFIN	Grey	11,000	5	5	5	29201
115 x 22	8ACRS	Grey	13,300	5	5	5	29200

DISCS

ROLOC

BRISTLE

WHEELS

BELTS

HAND  
SANDING

SHEETS

ROLLS

TOOLS

INDEX

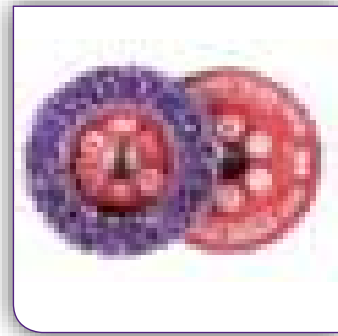
# Scotch-Brite™ Clean & Strip XT Purple Discs

# Scotch-Brite™ Clean & Strip GP Blue Discs

DISCS

**Mineral** Silicon carbide

**Conversions** XT-DC  
XT-ZS  
XT-DB  
XT-RD



Also available in 3M™ Roloc™ conversion, see page 48

**Benefits**

- Next generation Scotch-Brite Purple XT Web offers significantly improved life at a more competitive price
- Stiffer construction means superior performance in heavier duty applications

**Applications**

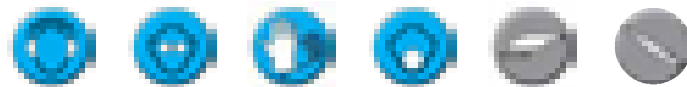
- Pre- and post-weld cleaning in metal fabrication applications; removal of rust and other coatings

**Materials**

- Metal
- Corrosion
- Coatings

**Conversions**

**XT-DC** Holed for use with a straight grinder  
**XT-ZS** Spindle mounted for easy fitting to a die grinder  
**XT-DB** Fibre-backed for use with an angle grinder  
**XT-RD** Rigid fibre glass backing, for use with an angle grinder



SIZE mm	GRADE	COLOUR	MOS (RPM)	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO.
<b>XT-DC</b>							
100 x 13	XCRS	Purple	6,000	10	30	30	A07933
150 x 13	XCRS	Purple	4,000	10	20	20	A07934
200 x 13	XCRS	Purple	3,000	12	12	12	A07935
Use with A07947 or 07948 to gang two discs together							
<b>XT-ZS</b>							
75 x 13 x 6	XCRS	Purple	10,000	10	10	10	05808
75 x 25 x 6	XCRS	Purple	10,000	10	10	10	A05811
100 x 13 x 6	XCRS	Purple	8,000	10	10	10	05809
100 x 25 x 6	XCRS	Purple	8,000	10	10	10	A05812
150 x 13 x 6	XCRS	Purple	6,000	6	6	6	A05810
150 x 25 x 6	XCRS	Purple	6,000	6	6	6	A05813
<b>XT-DB</b>							
115 x 22	XCRS	Purple	10,000	10	10	10	05816
178 x 22	XCRS	Purple	6,500	10	10	10	05817
<b>XT-RD</b>							
115 x 22	XCRS	Purple	11,000	10	10	10	05818

DISCS

ROLOC

BRISTLE

WHEELS

BELTS

HAND  
SANDING

SHEETS

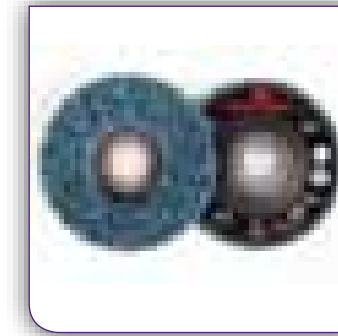
ROLLS

TOOLS

INDEX

**Mineral** Silicon carbide

**Backing** CG-DC  
CG-ZS  
CG-DB  
CG-RD



Also available in 3M™ Roloc™ conversion, see page 49

**Benefits**

- A flexible disc for general purpose cleaning applications
- Offers long life and improved cut rate compared to the original Black Clean & Strip range

**Applications**

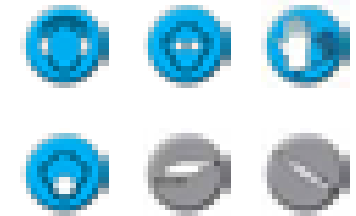
- Ideal for pre- and post-weld cleaning where more flexibility is required; rust, paint and coatings removal

**Materials**

- Metal
- Corrosion
- Coatings

**Conversions**

**CG-DC** Holed for use with a straight grinder  
**CG-ZS** Spindle mounted for easy fitting to a die grinder  
**CG-DB** Fibre-backed for use with an angle grinder  
**CG-RD** Rigid fibre glass backing, for use with an angle grinder



SIZE mm	GRADE	COLOUR	MOS (RPM)	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO.
<b>CG-DC</b>							
100 x 13	XCRS	Blue	6,000	10	30	30	61121
150 x 13	XCRS	Blue	4,000	10	20	20	61122
200 x 13	XCRS	Blue	3,000	12	12	12	61163
Use with A07947 or 07948 to gang two discs together							
<b>CG-ZS</b>							
75 x 13 x 6	XCRS	Blue	10,000	10	10	10	61164
75 x 25 x 6	XCRS	Blue	10,000	10	10	10	61167
100 x 13 x 6	XCRS	Blue	8,000	10	10	10	61165
100 x 25 x 6	XCRS	Blue	8,000	10	10	10	61168
150 x 13 x 6	XCRS	Blue	6,000	6	6	6	61166
150 x 25 x 6	XCRS	Blue	6,000	6	6	6	61169
<b>CG-DB</b>							
115 x 22	XCRS	Blue	10,000	10	10	10	61172
<b>CG-RD</b>							
115 x 22	XCRS	Blue	11,000	10	10	10	61174

**Accessories for use with Scotch-Brite Clean & Strip Discs**

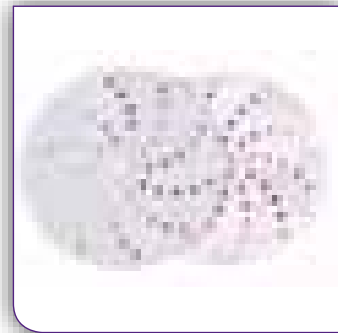
DESCRIPTION	SIZE	USE WITH	UNITS PER INNER	UNITS PER OUTER	MOQ	PART NO.
Disc mandrel 900-6	6mm spindle	100mm discs	1	5	5	A07947
Disc mandrel 900-8	8mm spindle	150mm & 200mm discs	1	5	5	07948



# 3M™ Purple Clean Sanding Discs

# 3M™ 255P

- Mineral** Aluminium oxide  
Cubitron
- Backing** C-weight paper
- Coating** Fre-Cut anti-loading coating
- Bond** Resin
- Attachment** Hookit



### Benefits

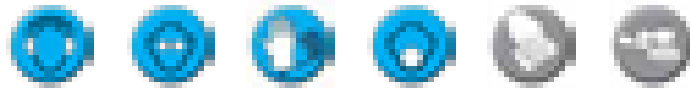
- Unique spiral design minimises loading and maximises cut rates
- Hole configuration provides optimum extraction
- Fast efficient changeover with no alignment necessary

### Applications

- Paint removal and primer sanding

### Materials

- Metal
- Paints
- Primer

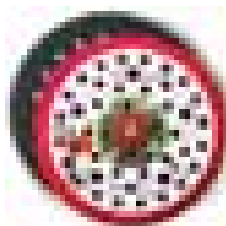


SIZE mm	PRODUCT	GRADE	MOS (rpm)	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO.
150	734U	P80	12,000	100	500	500	63499
150	734U	P120	12,000	100	500	500	63500
150	734U	P150	12,000	100	500	500	A63501
150	734U	P180	12,000	100	500	500	63502
150	334U	P220	12,000	100	500	500	63503
150	334U	P240	12,000	100	500	500	63504
150	334U	P280	12,000	100	500	500	63505
150	334U	P320	12,000	100	500	500	63506
150	334U	P360	12,000	100	500	500	63507
150	334U	P400	12,000	100	500	500	63508
150	334U	P500	12,000	100	500	500	63509

### 3M™ Hookit™ Low Profile Back-Up Pad

Eliminates the need for cumbersome vacuum hoses.

UNITS PER CASE	SIZE mm	PATTERN	MAX RPM	UNITS PER PACK	PART NO.
10	75	3 Holes	12,000	10	20350
10	125	44 Holes	12,000	10	20353
10	150	50 Holes	12,000	10	20465
20242	75mm x 100mm	4 Holes	10,000	10	10



- Mineral** Aluminium oxide
- Backing** C-weight paper
- Coating** Open
- Bond** Resin
- Features** Fre-Cut anti-loading coating
- Attachment** Hookit



### Benefits

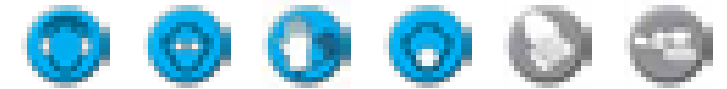
- C-weight paper backing gives good mineral support for longer product life and sustained cutting action
- Features enhanced anti-loading coating to extend product working life

### Applications

- Intermediate and final sanding of metal, solid and painted surfaces in addition to varnished surfaces and plastic parts

### Materials

- Metal
- Paints
- Solid surface materials (e.g. Corian™)
- Lacquered hard and soft wood
- Plastics



SIZE mm	GRADE	MOS (RPM)	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO. PLAIN	PART NO. HOLED
125	P150	12,000	100	500	500	A60292	A60251
125	P180	12,000	100	500	500	18416	A60252
125	P220	12,000	100	500	500	A60294	19614
125	P240	12,000	100	500	500	A60295	A60254
125	P280	12,000	100	500	500	20043	A60256
125	P400	12,000	100	500	500	A60298	A60257
125	P500	12,000	100	500	500	A60299	A60000
150	P80	12,000	100	500	500	A00341	A00329
150	P100	12,000	100	500	500	A00340	A00328
150	P120	12,000	100	500	500	A00339	A00327
150	P150	12,000	100	500	500	A00338	A00326
150	P180	12,000	100	500	500	A00337	A00325
150	P220	12,000	100	500	500	A00336	A00324
150	P240	12,000	100	500	500	A00335	A00323
150	P280	12,000	100	500	500	A00334	A00322
150	P320	12,000	100	500	500	A00333	A00321
150	P360	12,000	100	500	500	A00332	A00320
150	P400	12,000	100	500	500	A00331	A00319
150	P500	12,000	100	500	500	A00330	A00318
150	P800	12,000	100	500	500	64889	64885
150	P1000	12,000	100	500	500	64890	64884
150	P1200	12,000	100	500	500	64891	64883



# 3M™ 245

# 3M™ 338U

- Mineral** Aluminium oxide
- Backing** E-weight paper
- Coating** Open
- Bond** Resin
- Attachment** Hookit or Stikit



### Benefits

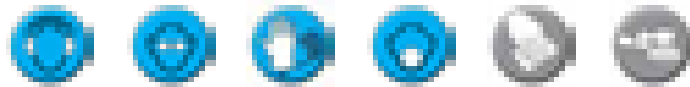
- Stiff E-weight paper gives a strong backing and long product life
- Resin bond resists heat to prevent premature “burning”

### Applications

- Initial and intermediate sanding on solid wood furniture, wood and metal door frames and other hard and soft wood, plastic and metal surfaces

### Materials

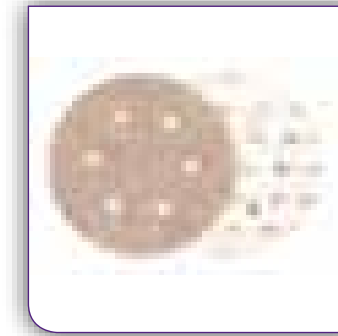
- Metal
- Paints
- Fillers
- Wood
- Plastics



SIZE mm	GRADE	MOS (RPM)	DISCS PER INNER	DISCS PER OUTER	PART NO. PLAIN	PART NO. HOLED
Stikit Discs						
125	P40	12,000	50	250	A00437	A00442
125	P60	12,000	50	250	A00436	A00441
125	P80	12,000	100	500	A00435	A00440
125	P120	12,000	100	500	A00433	A00438
150	P40	12,000	50	250	00996	00998
150	P60	12,000	50	250	00995	00997
150	P80	12,000	100	500	00758	00761
150	P100	12,000	100	500	A00757	A00760
150	P120	12,000	100	500	00756	A00759
Hookit Discs						
125	P40	12,000	50	250	A60222*	A00545
125	P60	12,000	50	250	A60223*	A00544*
125	P80	12,000	50	250	A60224*	A00543
125	P120	12,000	50	250	A60226*	A00541*
150	P40	12,000	50	250	A01649	A01691
150	P60	12,000	50	250	A01648	A01690
150	P80	12,000	50	250	A01647	A01689
150	P100	12,000	50	250	A01646	A01688
150	P120	12,000	50	250	A01645	A01687

\* Please note MOQ is 500 discs

- Mineral** Aluminium oxide
- Backing** C-weight paper
- Coating** Semi-open
- Bond** Resin
- Features** Fre-Cut supersize
- Attachment** Hookit



### Benefits

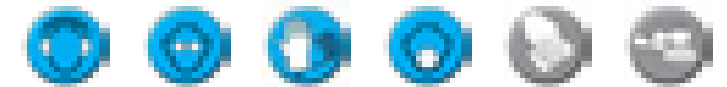
- Good performance and a consistent quality finish at an economical price. Range features coarse grades for stock removal through to fine grades for final finishing

### Applications

- All general purpose sanding operations

### Materials

- Metal, paints, plastics
- Solid surface materials (e.g. Corian™)
- Lacquered hard and soft wood

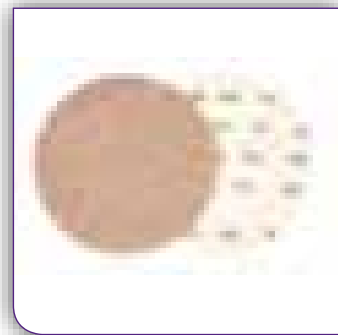


SIZE mm	GRADE	MOS (rpm)	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO. PLAIN	PART NO. HOLED
76	P80	18,000	50	250	250	-	62971
76	P100	18,000	50	250	250	-	62972A
76	P120	18,000	50	250	250	-	62973
76	P150	18,000	50	250	250	-	62974A
76	P180	18,000	50	250	250	-	62975
76	P220	18,000	50	250	250	-	62976
76	P240	18,000	50	250	250	-	62977
76	P280	18,000	50	250	250	-	62978
76	P320	18,000	50	250	250	-	62979
76	P400	18,000	50	250	250	-	62981A
76	P500	18,000	50	250	250	-	62982
125	P80	12,000	100	500	500	62686	62698
125	P100	12,000	100	500	500	62687	62699
125	P120	12,000	100	500	500	62688	62700
125	P150	12,000	100	500	500	62689	62701
125	P180	12,000	100	500	500	62690	62702
125	P220	12,000	100	500	500	62691	62703
125	P240	12,000	100	500	500	62692	62704
125	P280	12,000	100	500	500	62693	62705
125	P320	12,000	100	500	500	62694	62706
125	P400	12,000	100	500	500	62696	62708
125	P500	12,000	100	500	500	62697	62709
150	P40	12,000	100	500	500	64466	64468
150	P60	12,000	100	500	500	64467	64469
150	P80	12,000	100	500	500	62770	62112
150	P100	12,000	100	500	500	62771	62113
150	P120	12,000	100	500	500	62772	62114
150	P150	12,000	100	500	500	62773	62115
150	P180	12,000	100	500	500	62774	62116
150	P220	12,000	100	500	500	62775	62117
150	P240	12,000	100	500	500	62776	62118
150	P280	12,000	100	500	500	62777	62119
150	P320	12,000	100	500	500	62778	62120
150	P360	12,000	100	500	500	62779	62121
150	P400	12,000	100	500	500	62780	62122
150	P500	12,000	100	500	500	62781	62123
150	P800	12,000	100	500	500	64888	64882
150	P1000	12,000	100	500	500	64887	64881
150	P1200	12,000	100	500	500	64886	64880

# 3M™ 338U

# 3M™ 266L

- Mineral** Aluminium oxide
- Backing** C-weight paper
- Coating** Semi-open
- Bond** Resin
- Features** Fre-Cut supersize
- Attachment** Stikit



### Benefits

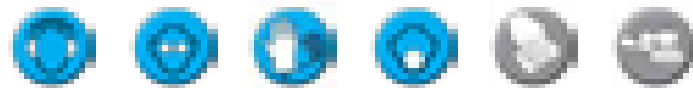
- Good performance and a consistent quality finish at an economical price. Range features coarse grades for stock removal through to fine grades for final finishing

### Applications

- All general purpose sanding operations

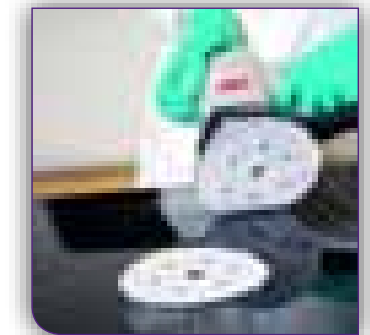
### Materials

- Metal
- Paints
- Solid surface materials (e.g. Corian™)
- Lacquered hard and soft wood
- Plastics



SIZE mm	GRADE	MOS (rpm)	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO. PLAIN	PART NO. HOLED
125	P80	12,000	100	500	2000	63397	63404
125	P120	12,000	100	500	2000	63398	-
125	P150	12,000	100	500	500	-	63406
125	P180	12,000	100	500	500	63399	63407
125	P240	12,000	100	500	500	63400	63408
125	P320	12,000	100	500	500	63401	-
125	P400	12,000	100	500	500	-	63409
125	P500	12,000	100	500	500	63403	63410
150	P80	12,000	100	500	500	63411	63423
150	P100	12,000	100	500	500	63412	63424
150	P120	12,000	100	500	500	63413	63425
150	P150	12,000	100	500	500	63414	63426
150	P180	12,000	100	500	500	63415	63427
150	P220	12,000	100	500	500	63416	63428
150	P240	12,000	100	500	500	63417	63429
150	P280	12,000	100	500	500	-	63430
150	P320	12,000	100	500	500	63419	63431
150	P360	12,000	100	500	500	63420	63432
150	P400	12,000	100	500	500	63421	63433
150	P500	12,000	100	500	500	63422	63434

- Mineral** Aluminium oxide
- Backing** 3mil polyester film
- Coating** Closed
- Features** Fre-Cut anti loading coating
- Attachment** Hookit



### Benefits

- Fast cutting abrasive provides precise, consistent and close tolerance finishes
- Available in a range of precise micron grades to meet specific needs
- Recommended to be dry to take advantage of Fre-Cut anti loading coating

### Applications

- Refine scratches and surface defects in preparation for final buffing of acrylic window frames and panes, GRP, solid surfaces

### Materials

- Plastic
- Paint
- Aluminium
- Fibreglass
- Lacquers

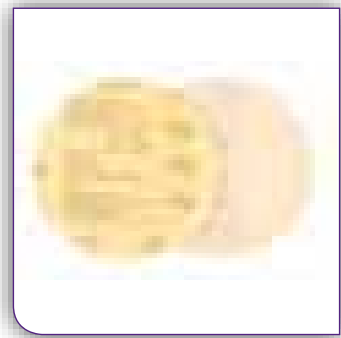


SIZE mm	GRADE	MOS (RPM)	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO. PLAIN	PART NO. HOLED
125mm	100 μ	12,000	25	100	100	00071	00083
125mm	60 μ	12,000	25	100	100	00069	00081
125mm	40 μ	12,000	25	100	100	00067	00079
125mm	30 μ	12,000	25	100	100	00066	00078
125mm	15 μ	12,000	25	100	100	00064	00076
125mm	9 μ	12,000	25	100	100	-	00075
150mm	100 u	12,000	25	100	100	00044	00130
150mm	60 u	12,000	25	100	100	00045	00131
150mm	40 u	12,000	25	100	100	00047	00133
150mm	30 u	12,000	25	100	100	00048	00134
150mm	15 u	12,000	25	100	100	00050	00136
150mm	9 u	12,000	25	100	100	00094	00138

# 3M™ 268L

# Wetordry™ 3M™ 286Q / 3M 486Q Polishing Paper

**Mineral** Aluminium oxide  
**Backing** 3mil polyester film  
**Bond** Resin  
**Attachment** PSA (Stikit™)



### Benefits

- This fast cutting abrasive provides precise, consistent, close tolerance finishes
- Can be used wet or dry for finishing a wide assortment of work pieces

### Applications

- Refine scratches and surface defects in preparation for final buffing of acrylic window frames and panes, GRP and solid surfaces

### Materials

- Paint
- Plastics
- Metal
- Lacquers



SIZE mm	GRADE	MOS (RPM)	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO.
PSA Discs						
127	100 μ	12,000	100	100	100	80205
127	80 μ	12,000	100	100	100	13914
127	60 μ	12,000	100	100	100	14975
127	40 μ	12,000	100	100	100	76974
127	30 μ	12,000	100	100	100	76975
127	15 μ	12,000	100	100	100	76977
127	9 μ	12,000	100	100	100	14972
Finesse-It™ Paint Spot Repair						
76.2 x 22.23 CWF	40μ	12,000	500	2000	2000	00122
76.2 x 22.23 CWF	30μ	12,000	500	2000	2000	00116
76.2 x 22.23 CWF	20μ	12,000	500	2000	2000	00121
76.2 x 22.23 CWF	15μ	12,000	500	2000	2000	00120
36.51 Scalloped	9μ	12,000	1000	1000	1000	13444
36.51 Scalloped	7μ	12,000	1000	1000	1000	128020

**Mineral** Aluminium oxide  
**Backing** Paper  
**Coating** Slurry coated  
**Attachment** PSA (Stikit™)



### Benefits

- Superflexible non-woven backing for polishing of interior shapes and contours
- Micron grading for uniform, consistent finish

### Applications

- Extra fine surface finishing and further refinement of 3M 268L and 3M 266L processes

### Materials

- Plastic
- Polyurethane
- Solid surface composites
- Fibreglass
- Aluminium
- Wood



SIZE mm	GRADE	MOS (RPM)	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO.
486Q						
127	30μ	12,000	125	250	250	14923
127	15μ	12,000	125	250	250	14924
286Q						
127	9μ	12,000	125	250	250	14925

# 3M™ 268XA / 3M™ 568XA

DISCS

**Mineral** 268XA Aluminium oxide  
568XA Cerium oxide

**Backing** Film

**Attachment** PSA (Stikit™)



### Benefits

- Precisely shaped pyramids of abrasive mineral wear away continuously exposing new abrasive to give a consistent repeatable finish
- Fewer processing steps required to achieve high gloss and effective surface levelling
- Optimum results when used wet

### Applications

- Glass defect repair, Corian™ and acrylic solid surface finishing

### Materials

- Glass
- Acrylic
- Solid surfaces



SIZE mm	PRODUCT	GRADE	COLOUR	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO.
<b>Hookit II</b>							
150mm	3M 268XA	A35	Green	100	100	100	250326
150mm	3M 268XA	A10	Blue	100	100	100	250325
150mm	3M 268XA	A5	Orange	100	100	100	250324
150mm	3M 568XA	Ungraded	White	100	100	100	269795
<b>PSA</b>							
127 x 15.9	3M 268XA	A35	Green	100	100	100	190229
127 x 15.9	3M 268XA	A10	Blue	100	100	100	190227
127 x 15.9	3M 268XA	A5	Orange	100	100	100	190228
127 x 15.9	3M 568XA	Ungraded	White	100	100	100	190225
152.4	3M 268XA	A35	Green	100	100	100	269800
152.4	3M 268XA	A10	Blue	100	100	100	269799
152.4	3M 268XA	A5	Orange	100	100	100	269798

# 3M Roloc

## 3M™ Roloc™ and Roloc+™ Quick Release System

### 3M Roloc Quick Release System

- 3M Roloc Discs are designed for use on the face of the disc
- Available in a range of products for grinding, finishing, deburring and cleaning applications
- The 3M Roloc Back-Up Pad assures secure fixing with rapid grade or product change
- Can be used with 3M Roloc Rubber Back-Up Pads or 3M Roloc Plastic Holders No. 1, 2, 3 or 4
- Colour coded fixings for easy grade recognition (please see below for details)



### 3M Roloc+ Quick Release System

- 3M Roloc+ Discs/Brushes are designed for use on the edge and have a longer shaft for extra strength
- Available in a range of products for finishing, deburring and cleaning applications
- The 3M Roloc Plastic Holder assures secure fixing with rapid grade or product change
- To be used with all 3M Roloc+ Plastic Holders (excluding Roloc Rubber Back-Up Pads)



## 3M Roloc Abrasive Disc Grade and Button Colour Chart

Grade	Button	Grade	Button	Grade	Button	Grade	Button
P24	Black	P50	Green	P100	Blue	P180	Brown
P36	Brown	P60	Orange	P120	White	P240	Green
P40	Red	P80	Yellow	P150	Black		

## Coated Abrasive Roloc Discs

MATERIAL	Page	Mineral	Coating	Bond	Backing	Features	1200	1000	800	600	500	400	360	320	280	240	220	180	150	120	100	80	60	50	40	36	24
3M 977F DE	38	Cu		R	Y	GA																					
3M 785C	39	Cu	CL	R	F	GA																					
3M 777F	40	Cu	CL	R	Y	GA																					
3M 361F	41	AO	CL	R	XY	-																					

## Scotch-Brite Roloc Discs

MATERIAL	Page	Mineral	Density	Bond	Backing	Features	Type T	ULFN	VFN	FIN	MED	CRS	Heavy Duty	Super Duty	XRCS	P180	P120	P80	P50
SC-DR	42	AO	-	-	-	-													
XL-DR	43	AO	2	-	-	-													
		AO	6	-	-	-													
CR-DR	44	SC	2	-	-	-													
		SC	6	-	-	-													
RD-ZB	45	CB	-	-	-	-													

## Scotch-Brite Roloc+ Flap Brushes, Wheels & Discs

MATERIAL	Page	Mineral	Density	Bond	Backing	Features	Type T	ULFN	VFN	FIN	MED	CRS	Heavy Duty	Super Duty	XRCS	P180	P120	P80	P50
H1-ZR	46	SC	-	-	-	-													
H2-ZR	46	SC	-	-	-	-													
H1-UR	47	SC	-	-	-	-													
XT-ZR	48	SC	-	-	-	-													
CG-ZR	49	SC	-	-	-	-													
CB-ZR	50	AO	-	-	-	-													
PF-ZR	51	AO	-	-	-	-													
		AO	-	-	-	-													
FF-ZR	52	AO	-	-	-	-													
		SC	-	-	-	-													
MS-ZR	53	AO	-	-	-	-													
CP-UR	54	AO	5	-	-	-													
XL-UR	55	SC	2	-	-	-													

AO	Aluminium Oxide	CL	Closed Coat	XY	X/Y-weight cloth
SC	Silicon Carbide	R	Resin Bond	GA	Grinding Aid
Cu	3M™ Cubitron™ Abrasive Mineral	F	Fibre		
CB	3M™ Cubitron™ Abrasive blend	Y	Y-weight cloth		



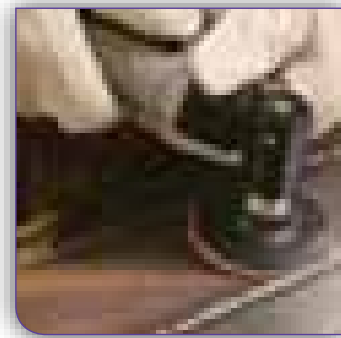
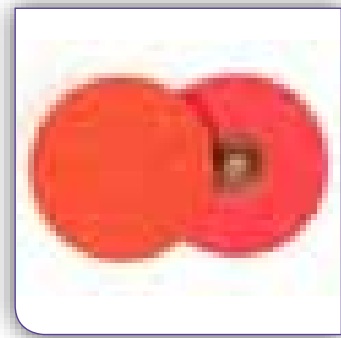
3M Air-Powered Disc Sander

For more information on the right tool, see page 132

# 3M™ Roloc™ 977F DE

# 3M™ Roloc™ 785C

- Mineral** 3M™ Cubitron™ Abrasive Grain
- Coating** Grinding Aid
- Bond** Resin
- Backing** Y Weight Polyester with additional reinforcement
- Attachment** Roloc



### Benefits

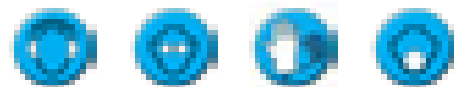
- 3M Cubitron Abrasive Grain combined with reinforced backing and grinding aid provides longer life and faster cut with increased edge durability
- Features the 3M Roloc Quick Release System for quick and easy disc change

### Applications

- Grinding and refining stainless steel, exotic metals and mild steel weld seams

### Materials

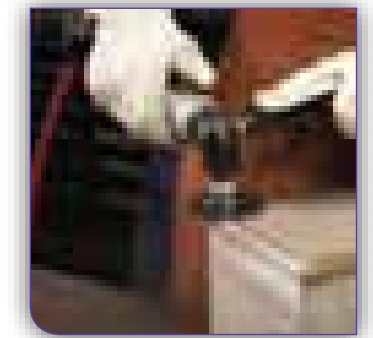
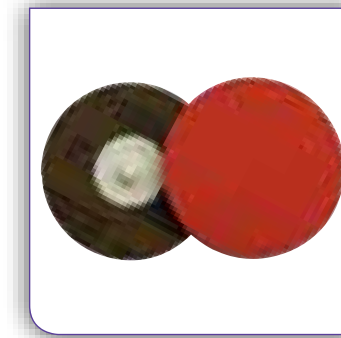
- All metals, especially stainless steel and exotic metals



SIZE mm	USE WITH	GRADE	MOS (RPM)	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO.
50	Extra Hard, Hard or Medium Roloc Rubber Back-Up Pad	P36	20,000	50	200	200	24094
50		P60	20,000	50	200	200	24098
50		P80	20,000	50	200	200	24100
75		P36	20,000	50	200	200	24095
75		P60	20,000	50	200	200	24099
75		P80	20,000	50	200	200	24102

For Back-up pads see P57

- Mineral** 3M™ Cubitron™ Abrasive Grain
- Coating** Closed
- Bond** Resin
- Backing** Grinding aid
- Attachment** Roloc



### Benefits

- High cutting performance and long life on medium pressure applications
- Grinding aid reduces heat build-up to give a cooler cut on heat sensitive metals
- Features the 3M Roloc Quick Release System for quick and easy disc change
- Roloc Fibre Discs are ideal for heavier duty Roloc applications and confine the grinding area to a minimum for efficient production

### Applications

- Grinding and finishing stainless steel weld seams, e.g. on sinks, display cases, jet engine components, power plant vessels

### Materials

- All metals



SIZE mm	USE WITH	GRADE	MOS (RPM)	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO.
75	Extra Hard, Hard or Medium Roloc Rubber Back-Up Pad	P24	20,000	50	200	200	85882
75		P36	20,000	50	200	200	85883
75		P50	20,000	50	200	200	85884
75		P60	20,000	50	200	200	85885
75		P80	20,000	50	200	200	85886
75		P100	20,000	50	200	200	85887
75		P120	20,000	50	200	200	85888

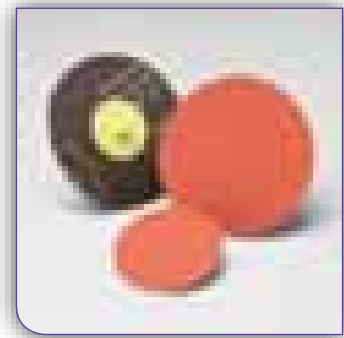
For Back-up pads see P57



# 3M™ Roloc™ 777F

# 3M™ Roloc™ 361F

- Mineral** 3M™ Cubitron™ Abrasive Grain
- Coating** Closed
- Bond** Resin
- Backing** Y-weight polyester cloth
- Features** Grinding aid
- Attachment** Roloc



### Benefits

- Contains Cubitron mineral for long life and fast cut
- Grinding aid reduces heat build-up to give a cooler cut on heat sensitive metals
- Cloth backing provides more flexibility than fibre for better blending capabilities

### Applications

- Grinding and finishing stainless steel weld seams, coils, sheet metal, containers

### Materials

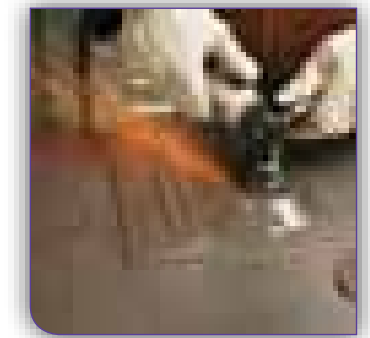
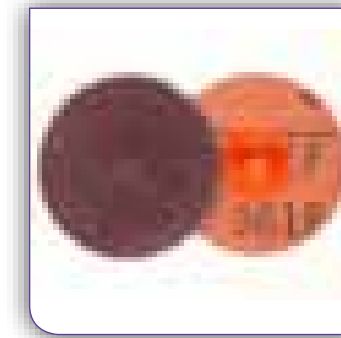
- Stainless steel
- Chrome-nickel alloys
- Nickel and cobalt alloys
- Steel alloys
- Titanium
- Aluminium



SIZE mm	USE WITH	GRADE	MOS (RPM)	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO.
25	Holder No. 1	P36	25,000	50	500	500	76622
25	Holder No. 1	P50	25,000	50	500	500	76623
25	Holder No. 1	P60	25,000	50	500	500	76624
25	Holder No. 1	P80	25,000	50	500	500	76625
38	Holder No. 2	P36	20,000	50	500	500	76626
38	Holder No. 2	P60	20,000	50	500	500	76628
50	Holder No. 3	P36	20,000	50	200	200	76629
50	Holder No. 3	P50	20,000	50	200	200	76630
50	Holder No. 3	P60	20,000	50	200	200	76433
50	Holder No. 3	P80	20,000	50	200	200	14661
50	Holder No. 3	P120	20,000	50	200	200	170935
75	Holder No. 4	P36	20,000	50	200	200	76631
75	Holder No. 4	P50	20,000	50	200	200	76632
75	Holder No. 4	P60	20,000	50	200	200	76633
75	Holder No. 4	P80	20,000	50	200	200	76634
75	Holder No. 4	P120	20,000	50	200	200	249846

For holders see P57

- Mineral** Aluminium oxide
- Coating** Closed
- Bond** Resin
- Backing** X/Y weight polyester cloth
- Attachment** Roloc



### Benefits

- Tough disc gives good performance in general purpose grinding applications

### Applications

- Weld grinding and finishing, defect removal, paint and rust removal and heavy duty cleaning

### Materials

- Mild steel
- Aluminium



SIZE mm	USE WITH	GRADE	MOS (RPM)	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO.
25	Holder No. 1	P36	25,000	50	500	500	11412
25	Holder No. 1	P50	25,000	50	1000	1000	11411
25	Holder No. 1	P60	25,000	50	500	500	11417
25	Holder No. 1	P80	25,000	50	500	500	11416
25	Holder No. 1	P120	25,000	50	500	500	11414
38	Holder No. 2	P36	20,000	50	500	500	22396
38	Holder No. 2	P50	20,000	50	500	500	11137
38	Holder No. 2	P60	20,000	50	500	500	22397
38	Holder No. 2	P80	20,000	50	500	500	22407
38	Holder No. 2	P120	20,000	50	500	500	22409
50	Holder No. 3	P24	20,000	50	200	200	11000
50	Holder No. 3	P36	20,000	50	200	200	22398
50	Holder No. 3	P50	20,000	50	200	200	22399
50	Holder No. 3	P60	20,000	50	200	200	22400
50	Holder No. 3	P80	20,000	50	200	200	22401
50	Holder No. 3	P100	20,000	50	200	200	22402
50	Holder No. 3	P120	20,000	50	200	200	22403
50	Holder No. 3	P180	20,000	50	200	200	13873
50	Holder No. 3	P240	20,000	50	200	200	11419
75	Holder No. 4	P24	20,000	50	200	200	22392
75	Holder No. 4	P36	20,000	50	200	200	22393
75	Holder No. 4	P50	20,000	50	200	200	22394
75	Holder No. 4	P60	20,000	50	200	200	22395
75	Holder No. 4	P80	20,000	50	200	200	22404
75	Holder No. 4	P120	20,000	50	200	200	22406
75	Holder No. 4	P240	20,000	50	200	200	362193

For holders see P57

## 3M™ Roloc™ Surface Conditioning Discs SC-DR

## 3M™ Roloc™ EXL Unitised Disc XL-DR

**Mineral** Aluminium oxide  
**Grades** Super Duty, Heavy Duty, Coarse, Medium, Very Fine  
**Attachment** Roloc



### Benefits

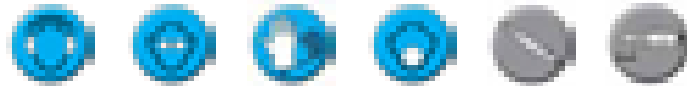
- Scotch-Brite web enables simultaneous blending and finishing, reducing process time
- Features the 3M Roloc Quick Release System for quick and easy disc change

### Applications

- Removing rust and cleaning flat metal parts; removing discolouration and residual sealants; surface preparation after weld seam removal, prior to coating or painting; reducing roughness after sanding; Super Duty grade can be used to remove small welds

### Materials

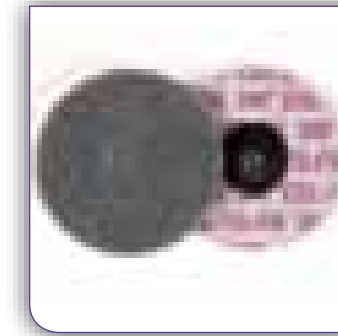
- All metals



SIZE mm	USE WITH	GRADE	COLOUR	MOS (RPM)	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO.
25	Holder No 1	AVFN	Blue	30,000	200	200	200	15391
25	Holder No 1	AMED	Maroon	30,000	200	200	200	15392
25	Holder No 1	ACRS	Light Brown	30,000	200	200	200	15393
50 x 3	Holder No. 3	AVFN	Blue	23,000	50	200	200	05523
50 x 3	Holder No. 3	AMED	Maroon	23,000	50	200	200	05527
50 x 3	Holder No. 3	ACRS	Light Brown	23,000	50	200	200	05528
50 x 3	Holder No. 3	Heavy Duty	Dark Brown	23,000	50	200	200	33795
50 x 3	Holder No. 3	Super Duty	Black	23,000	50	200	200	33797
75 x 4	Holder No. 4	AVFN	Blue	18,000	25	100	100	05530
75 x 4	Holder No. 4	AMED	Maroon	18,000	25	100	100	05531
75 x 4	Holder No. 4	ACRS	Light Brown	18,000	25	100	100	05532
75 x 4	Holder No. 4	Heavy Duty	Dark Brown	18,000	25	100	100	33794
75 x 4	Holder No. 4	Super Duty	Black	18,000	25	100	100	33796

For holders see P57

**Mineral** Aluminium oxide; Silicon carbide  
**Grades** Aluminium oxide: Medium, Coarse; Silicon carbide: Fine  
**Attachment** Roloc



### Benefits

- Compressed, non-woven fibre construction gives a uniform grain distribution which will produce consistent results
- EXL material is extremely tough with an aggressive cutting action, for effective deburring of edges and corners without damaging the part
- Features the 3M Roloc Quick Release System for quick and easy disc change

### Applications

- Deburring a range of metal parts

### Materials

- All metals

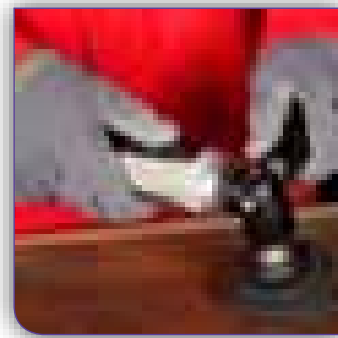


SIZE mm	USE WITH	GRADE	MOS (RPM)	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO.
50 x 6	Holder No. 1 or 3	2SFIN	22,100	15	60	60	17183
50 x 6	Holder No. 1 or 3	2AMED	22,100	15	60	60	17185
50 x 6	Holder No. 1 or 3	6AMED	22,100	15	60	60	17190
50 x 6	Holder No. 1 or 3	8AMED	22,100	15	60	60	17192
50 x 6	Holder No. 1 or 3	8ACRS	22,100	15	60	60	17194
75 x 6	Holder No. 1 or 4	2SFIN	15,100	10	40	40	17184
75 x 6	Holder No. 1 or 4	2AMED	15,100	10	40	40	17186
75 x 6	Holder No. 1 or 4	6SFIN	15,100	10	40	40	17189
75 x 6	Holder No. 1 or 4	6AMED	15,100	10	40	40	17191
75 x 6	Holder No. 1 or 4	8AMED	15,100	10	40	40	17193
75 x 6	Holder No. 1 or 4	8ACRS	15,100	10	40	40	17195

For holders see P57

## 3M™ Roloc™ Coating Removal Disc CR-DR

**Mineral** Silicon carbide  
**Grades** Extra coarse  
**Attachment** Roloc



### Benefits

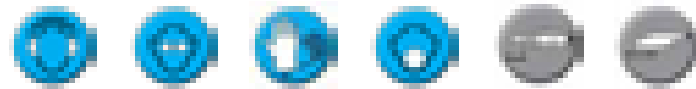
- Aggressive, coarse grained Scotch-Brite™ Clean & Strip material for rapid cleaning action
- Open structure resists loading and heat build-up
- Features the 3M Roloc Quick Release System for quick and easy disc change

### Applications

- Removal of rust, paint, discolouration, scale, coatings, weld splatter and for general maintenance operations

### Materials

- Metal
- Corrosion
- Coatings

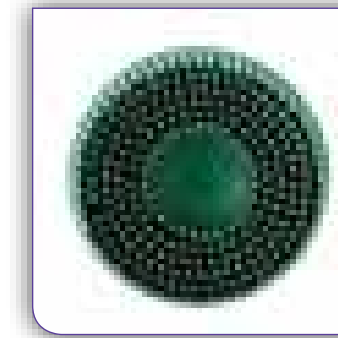


SIZE mm	USE WITH	GRADE	MOS (RPM)	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO.
50	Hard Roloc Rubber Back-Up Pad	Extra Coarse	18,000	10	60	60	18364
75	Hard Roloc Rubber Back-Up Pad	Extra Coarse	15,000	10	40	40	18350

For back-up pads see P57

## 3M™ Roloc™ Bristle Disc RD-ZB

**Mineral** Cubitron™ blend  
**Construction** Single moulded one-piece construction with built-in Roloc quick release attachment  
**Attachment** Roloc



### Benefits

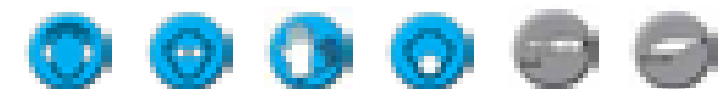
- Safe to use with minimal vibration and noise
- No loading combined with better surface conditioning
- Consistency in work, can be used until complete wear of the material
- Roloc Quick Release attachment system enables quick and easy disc change
- Can be run on a wide variety of angle grinders
- More efficient and safer to use than traditional wire brush products

### Applications

- Thick coating removal (paint, rust, adhesive, glue, rubber, etc.), oxide removal, surface contaminants, cleaning and weld discolouration

### Materials

- Carbon and stainless steel, non-ferrous materials (copper alloys, aluminium alloys, etc.) and synthetic materials



SIZE mm	USE WITH	GRADE	COLOUR	MOS (RPM)	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO.
50	Roloc Rubber Back-Up Pad	P50	Green	25,000	10	40	40	07524
50	Roloc Rubber Back-Up Pad	P80	Yellow	25,000	10	40	40	07525
50	Roloc Rubber Back-Up Pad	P120	White	25,000	10	40	40	07528
75	Roloc Rubber Back-Up Pad	P50	Green	18,000	10	40	40	07526
75	Roloc Rubber Back-Up Pad	P80	Yellow	18,000	40	40	40	07527
75	Roloc Rubber Back-Up Pad	P120	White	18,000	40	40	40	07529

For back-up pads see P57

### 3M™ Roloc+™ High Performance Clean & Strip Disc H1-ZR / H2-ZR

### 3M™ Roloc+™ High Performance Clean & Strip Unitised Wheel H1-UR

**Mineral** Silicon carbide  
**Construction** Foam impregnated Clean & Strip material  
**Grades** Extra Coarse  
**Attachment** Roloc+



**Benefits**

- Coarse grain open web resists loading and heat build-up
- Aggressive cleaning action to remove heavy surface contamination
- Foam impregnation gives better edge retention than standard Clean & Strip products

**Applications**

- Cleaning weld seams and removing discolouration; removal of rust, paint, scale, corrosion, coatings and sealants

**Materials**

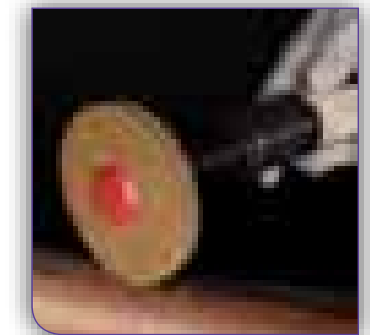
- Metal
- Corrosion
- Coatings



SIZE mm	USE WITH	GRADE	MOS (RPM)	WHEELS PER INNER	WHEELS PER OUTER	MOQ (wheels)	PART NO.
75 x 12	Holder No. 1	SXCRS	10,000	10	10	10	09732
75 x 25	Holder No. 1	SXCRS	10,000	10	10	10	09733
100 x 12	Holder No. 1	SXCRS	8,000	10	10	10	09734
100 x 25	Holder No. 1	SXCRS	8,000	10	10	10	09735

For holders see P57

**Mineral** Silicon carbide  
**Construction** Foam impregnated compressed Clean & Strip material  
**Grades** Extra Coarse  
**Attachment** Roloc+



**Benefits**

- Coarse grain open web resists loading and heat build-up
- Aggressive cleaning action to remove heavy surface contamination
- Foam impregnation gives better edge retention than standard Clean & Strip products

**Applications**

- Cleaning weld seams and removing discolouration; removal of rust, paint, scale, corrosion, coatings and sealants

**Materials**

- Metal
- Corrosion
- Coatings



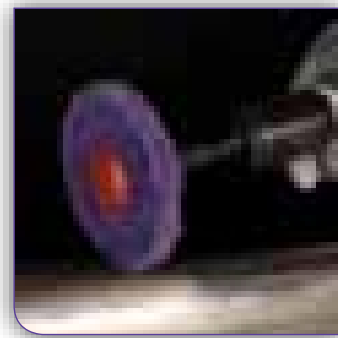
SIZE mm	USE WITH	GRADE	MOS (RPM)	WHEELS PER INNER	WHEELS PER OUTER	MOQ (wheels)	PART NO.
75 x 6 x 10	Holder No. 7	SXCRS	10,000	10	40	40	09749

For holders see P57

## 3M™ Roloc+™ Clean & Strip XT Purple Disc XT-ZR

## 3M™ Roloc+™ Clean & Strip GP Blue Disc CG-ZR

**Mineral** Silicon carbide  
**Grades** Extra coarse  
**Attachment** Roloc+



### Benefits

- Reinforced Scotch-Brite™ Clean & Strip XT material is aggressive and coarse-grained, resisting loading and heat build-up
- High edge resistance improves operator safety
- Long product life during rough cleaning operations reduces downtime and generates cost savings

### Applications

- Cleaning weld seams and removing discolouration; removal of rust, paint, scale, corrosion, coatings and sealants

### Materials

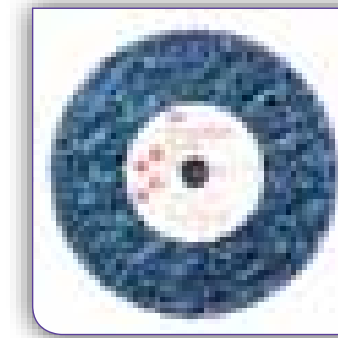
- Metal
- Corrosion
- Coatings



SIZE mm	USE WITH	GRADE	COLOUR	MOS (RPM)	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO.
100 x 13	Holder No. 1	XCRS	Purple	8,000	10	10	10	05814
125 x 13	Holder No. 1	XCRS	Purple	7,000	8	8	8	05815

For holders see P57

**Mineral** Silicon carbide  
**Grades** Extra coarse  
**Attachment** Roloc+



### Benefits

- Aggressive, coarse-grain Scotch-Brite™ Web has a high cut rate to generate effective and fast cleaning
- Flexible, non-woven construction cleans without distorting the work piece, even in hard to reach areas
- Resists loading when removing thick coatings and soft contaminants
- Uniform dispersion of mineral ensures a consistent, repeatable surface finish

### Applications

- Cleaning weld seams and metal surfaces; removing discolouration, carbon, rust, corrosion, old coatings, sealants; rust and paint removal on sheet-metal parts; industrial and maintenance applications

### Materials

- Corroded, painted or coated metals (including stainless steel)



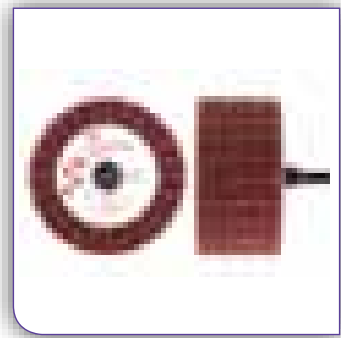
SIZE mm	USE WITH	GRADE	COLOUR	MOS (RPM)	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO.
100 x 13	Holder No. 1	XCRS	Blue	8,000	10	10	10	57018
150 x 13	Holder No. 1	XCRS	Blue	6,000	10	10	10	57019

For holders see P57

## 3M™ Roloc+™ Combi Flap Brush CB-ZR

## 3M™ Roloc+™ Cut & Polish Flap Brush PF-ZR

**Mineral** Aluminium oxide  
**Construction** Alternate flaps of Scotch-Brite™ Web and X-weight coated cloth  
**Attachment** Roloc+



### Benefits

- Combination of Scotch-Brite Clean & Finish material and coated abrasive gives greater scratch depth, removes defects and reduces scratch roughness in one step
- Integrated shaft means brush is ready to use, saving downtime and process costs
- Produces a finer finish than a coated abrasive flap wheel

### Applications

- Blending scratches on stainless steel; fine finishing aluminium prior to anodizing

### Materials

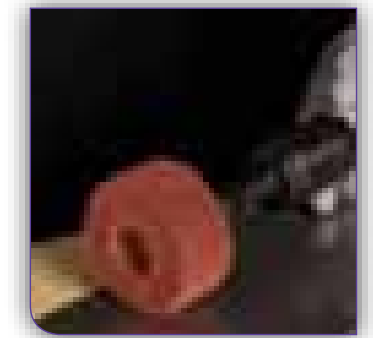
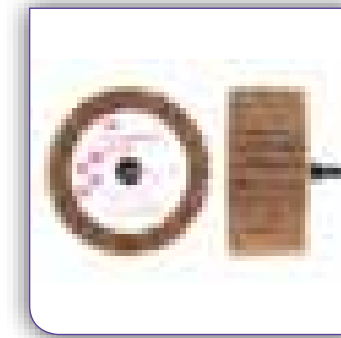
- All metals



SIZE	USE WITH	GRADE	MOS (RPM)	BRUSHES PER INNER	BRUSHES PER OUTER	MOQ (brushes)	PART NO.
63 x 32	Holder No. 1	P80	9,000	10	10	10	09717
63 x 32	Holder No. 1	P120	9,000	10	10	10	09720
63 x 32	Holder No. 1	P180	9,000	10	10	10	09723

For holders see P57

**Mineral** Aluminium oxide  
**Construction** Flaps of Scotch-Brite™ Web bonded to a central core  
**Grades** Medium  
**Attachment** Roloc+



### Benefits

- Three dimensional Scotch-Brite web produces consistent, repeatable results without damaging the workpiece
- Open, flexible flap construction is soft and pliable to produce uniform surface finishes without chatter marks

### Applications

- Satin finishing and light deburring of larger components where the machine is taken to the part

### Materials

- Wood
- Metal



SIZE mm	USE WITH	GRADE	MOS (RPM)	BRUSHES PER INNER	BRUSHES PER OUTER	MOQ (brushes)	PART NO.
50 x 25	Holder No. 1	AMED	12,000	25	25	25	09700
63 x 32	Holder No. 1	AMED	9,000	10	10	10	09701
75 x 35	Holder No. 1	AMED	8,000	10	10	10	09702

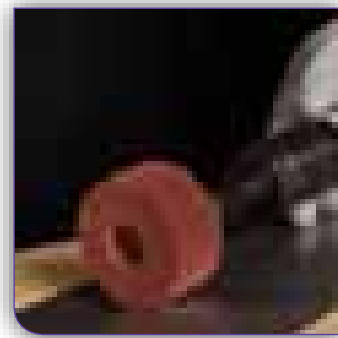
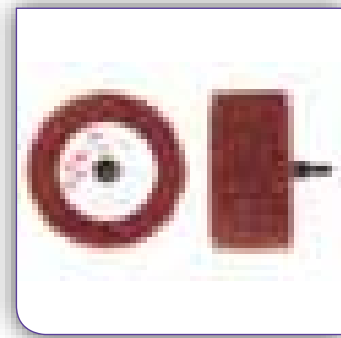
For holders see P57



## 3M™ Roloc+™ Clean & Finish Flap Brush FF-ZR

## 3M™ Roloc+™ Type T Flap Brush MS-ZR

- Mineral** Aluminium oxide
- Construction** Flaps of Scotch-Brite™ Web bonded to a central core
- Grades** Very fine, fine, course
- Attachment** Roloc+



### Benefits

- Brushes are impregnated with abrasive mineral to give uniform cut and finish throughout product life
- Open, flexible flap construction is soft and pliable to produce uniform surface finishes without chatter marks
- Softer, less aggressive construction than PF-ZR, for finer blending and finishing
- Roloc Quick Release System enables quick and easy disc change

### Applications

- Cleaning and light deburring of various substrates; satin finish on metals; smoothing wood prior to varnishing; primer denibbing before final coat; applications involving larger components where the machine is taken to the part

### Materials

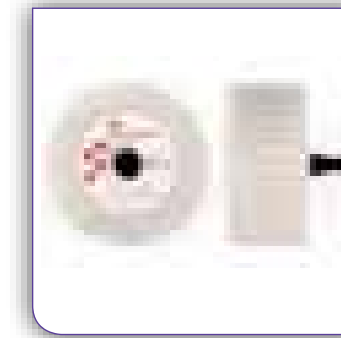
- Wood
- Metal
- Lacquers



SIZE mm	USE WITH	GRADE	MOS (RPM)	BRUSHES PER INNER	BRUSHES PER OUTER	MOQ (brushes)	PART NO.
50 x 25	Holder No. 1	AVFN	12,000	25	25	25	09704
50 x 25	Holder No. 1	SFIN	12,000	25	25	25	09707
63 x 32	Holder No. 1	AVFN	9,000	10	10	10	09705
63 x 32	Holder No. 1	SFIN	9,000	10	10	10	09708
75 x 35	Holder No. 1	AVFN	7,500	10	10	10	09706
75 x 35	Holder No. 1	SFIN	7,500	10	10	10	09709
75 x 35	Holder No. 1	ACRS	7,500	10	10	10	09703

For holders see P57

- Mineral** Talc
- Construction** Flaps of Scotch-Brite™ Web bonded to a central core
- Grades** Type T (non-abrasive)
- Attachment** Roloc+



### Benefits

- Non-abrasive talc construction means a light cleaning action where no scratches are required
- Can be used in conjunction with a polishing compound to achieve a fast gloss finish

### Applications

- Removal of light residue (eg. adhesives, sealants); bright finishing of metal components (when used with polishing compounds)

### Materials

- Metal
- Lacquers
- Plastics



SIZE mm	USE WITH	GRADE	MOS (RPM)	BRUSHES PER INNER	BRUSHES PER OUTER	MOQ (brushes)	PART NO.
75 x 35	Holder No. 1	Type T	7,500	10	10	10	09892

For holders see P57

## 3M™ Roloc+™ Cut & Polish Unitised Wheel CP-UR

## 3M™ Roloc+™ EXL Unitised Wheel XL-UR

**Mineral** Aluminium oxide  
**Construction** Unitised  
**Grades** Fine  
**Attachment** Roloc+



### Benefits

- An aggressive product capable of removing surface imperfection and handling marks
- Compressed, non-woven fibre construction gives uniform grain distribution which will produce consistent results
- Roloc Quick Release System enables fast and easy wheel change

### Applications

- Deburring a range of metal parts

### Materials

- All metals



SIZE mm	USE WITH	GRADE	MOS (RPM)	WHEELS PER INNER	WHEELS PER OUTER	MOQ (wheels)	PART NO.
50 x 3 x 10	Holder No. 6	5AFIN	20,000	10	40	40	09739
50 x 6 x 10	Holder No. 7	5AFIN	20,000	10	40	40	09742
75 x 3 x 10	Holder No. 6	5AFIN	15,000	10	40	40	09740
75 x 6 x 10	Holder No. 7	5AFIN	15,000	10	40	40	09743

For holders see P57

**Mineral** Silicon carbide  
**Construction** Unitised  
**Grades** Fine  
**Attachment** Roloc+



### Benefits

- Compressed, non-woven fibre construction gives uniform grain distribution which will produce consistent results
- EXL material is extremely tough with an aggressive cutting action, for effective deburring of edges and corners without damaging the part
- Roloc Quick Release System enables fast and easy product change

### Applications

- Deburring a range of metal parts

### Materials

- All metals



SIZE mm	USE WITH	GRADE	MOS (RPM)	WHEELS PER INNER	WHEELS PER OUTER	MOQ (wheels)	PART NO.
50 x 6 x 10	Holder No. 7	2SFN	16,000	60	60	60	09838
75 x 6 x 10	Holder No. 7	2SFN	12,000	40	40	40	09840

For holders see P57

# 3M™ Roloc™ Accessories

# 3M™ Roloc™ Accessories

DISCS  
ROLOC



**3M Roloc  
Plastic Holder No. 0**



**3M Roloc  
Plastic Holder No. 1**



**3M Roloc  
Plastic Holder No. 2**



**3M Roloc  
Plastic Holder No. 3**



**3M Roloc  
Plastic Holder No. 4**



**3M Roloc  
Plastic Holder No. 5**



**3M Roloc  
Plastic Holder No. 6**



**3M Roloc  
Plastic Holder No. 7**



**3M Roloc  
Back-Up Pad**

3M ROLOC RUBBER BACK-UP PADS		
PRODUCT	ANGLE GRINDER MACHINE*	ALL OTHER MACHINES**
25mm discs		X
38mm discs		X
50mm discs		X
75mm discs	X	X
Roloc Bristle Discs		X

\*M14/M10 threads \*\* 6mm thread (use with 6mm threaded shaft where required for collets)

3M ROLOC AND ROLOC+ PLASTIC HOLDERS								
PRODUCT	NO 1	NO 2	NO 3	NO 4	NO 5 ^	No 6 ^^	No 7	No 8
25mm discs	X							
38mm discs		X						
50mm discs			X					
75mm discs				X				
All brush products	X							
3mm wide wheels					X	X		
6mm wide wheels							X	
12.5mm wide wheels								X

^Use with 25 and 38mm diameter wheels ^^Use with 50 and 75mm diameter wheels

DESCRIPTION	SIZE mm	DENSITY	MOS (RPM)	UNITS PER INNER	UNITS PER OUTER	MOQ (units)	PART NO.
Roloc Rubber Back-Up Pad*	25 x 1/4" -20 thread	Medium	-	5	5	5	45101
Roloc Rubber Back-Up Pad*	38 x 1/4" -20 thread	Medium	-	5	5	5	45099
Roloc Rubber Back-Up Pad*	38 x 1/4" -20 thread	Hard	-	5	5	5	45100
Roloc Rubber Back-Up Pad*	50 x 1/4" -20 thread	Medium	-	5	5	5	45095
Roloc Rubber Back-Up Pad*	50 x 1/4" -20 thread	Hard	-	5	5	5	A45096
Roloc Rubber Back-Up Pad*	75 x 1/4" -20 thread	Medium	-	5	5	5	45092
Roloc Rubber Back-Up Pad*	75 x 1/4" -20 thread	Hard	-	5	5	5	45091
Threaded Shaft (for use with*)	6mm	-	-	10	10	10	82455
Roloc Rubber Back-Up Pad	75 x M14-2.0	Extra Hard	20,000	5	5	5	84993
Roloc Rubber Back-Up Pad	75 x M14-2.0	Hard	20,000	5	5	5	84998
Roloc Rubber Back-Up Pad	75 x M14-2.0	Medium	18,000	5	5	5	84999
Roloc Rubber Back-Up Pad	75 x M14-2.0	Soft	15,000	5	5	5	84994
Roloc Rubber Back-Up Pad	75 x M10-1.5	Hard	20,000	5	5	5	85000
Roloc Rubber Back-Up Pad	75 x M10-1.5	Medium	18,000	5	5	5	85001
Roloc Plastic Holder No. 0	6 x 13	-	-	5	5	5	09893
Roloc Plastic Holder No. 1	6 x 25	-	-	5	5	5	09884
Roloc Plastic Holder No. 2	6 x 38	-	-	5	5	5	09986
Roloc Plastic Holder No. 3	6 x 50	-	-	5	5	5	09987
Roloc Plastic Holder No. 4	6 x 75	-	-	5	5	5	09988
Roloc Plastic Holder No. 5	6 x 13	-	-	5	5	5	09989
Roloc Plastic Holder No. 6	6 x 25	-	-	5	5	5	09990
Roloc Plastic Holder No. 7	6 x 25	-	-	5	5	5	09991
Roloc Plastic Holder No. 8	6 x 25	-	-	5	5	5	09992

ROLOC  
BRISTLE  
WHEELS  
BELTS  
HAND  
SANDING  
SHEETS  
ROLLS  
TOOLS  
INDEX

# Bristle

MATERIAL	Page	Type	Mineral	Bond	Backing	Features	1 mic	6 mic	Pumice	400	220	120	80	50	36
RB-ZB	60	C	CB	-	-	-									
	60	A	CB	-	-	-									
BB-ZS	61	C	CB	-	-	-									
	62	C	CB	-	-	-									
BB-ZB	62	A	CB	-	-	-									
	62	S	CB	-	-	-									
BD-ZB	63	-	CB	-	-	-									

- C Curved bristles
- A Angled bristles
- S Straight bristles
- CB 3M™ Cubitron™ Abrasive blend



**C** Curved, thinner bristles for greater conformability than Type A and Type S



**A** Thicker angled bristles for greater aggression but less conformability than Type C



**S** Thick, straight bristles for greater aggression but less conformability than Type A

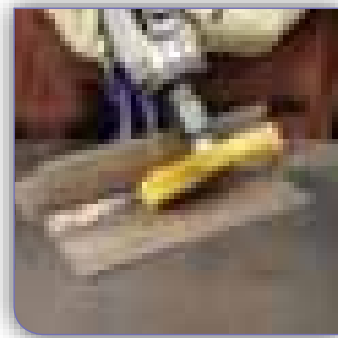
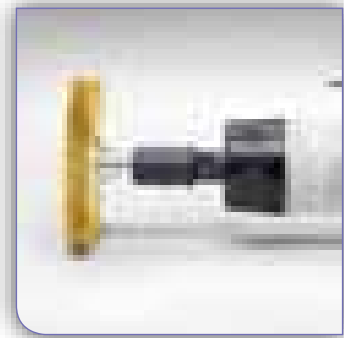


For more information on the right tool, see page 133

## Scotch-Brite™ Radial Bristle RB-ZB

## Scotch-Brite™ Radial Bristle BB-ZS

**Mineral** Cubitron™ blend  
**Construction** RB-ZB - Individual moulded discs impregnated with abrasive, that can be grouped together to form a brush



### Benefits

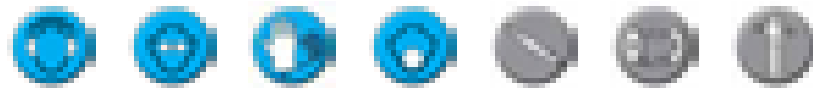
- Works well on irregular surfaces or detailed features
- Increased safety when converting from wire brushes

### Applications

- Cleaning, finishing, deburring of various parts where extreme conformability is required (machined parts, turbine blades, threads, engine parts etc.).  
 Wood defuzzing and graining; weld discolouration removal (stainless steel)

### Materials

- Metal
- Wood
- Plastics and composite materials



SIZE mm	TYPE	GRADE	COLOUR	MOS (RPM)	UNITS PER INNER	UNITS PER OUTER	MOQ (units)	PART NO.
14	C	P120	White	35,000	192	192	192	27614
14	C	P220	Red	35,000	192	192	192	27615
14	C	P400	Blue	35,000	192	192	192	27616
19	C	P80	Yellow	35,000	192	192	192	25755
19	C	P220	Red	35,000	192	192	192	25757
19	C	P400	Blue	35,000	192	192	192	25758
19	C	Pumice	Pink	35,000	192	192	192	25759
19	C	6 micron	Peach	35,000	192	192	192	30001
19	C	1 micron	Lt Green	35,000	192	192	192	30002
25	C	P36	Brown	35,000	96	96	96	27610
25	C	P50	Green	35,000	96	96	96	27611
25	C	P80	Yellow	35,000	96	96	96	27612
25	C	P120	White	35,000	96	96	96	27613
50	C	P80	Yellow	30,000	40	80	80	30118
50	C	P120	White	30,000	40	80	80	30120
50	C	P220	Red	30,000	40	80	80	30121
50	C	P400	Blue	30,000	40	80	80	30122
50	C	Pumice	Pink	30,000	40	80	80	30123
50	C	6 micron	Peach	30,000	40	80	80	30124
50	C	1 micron	Lt Green	30,000	40	80	80	30125
75	A	P50	Green	25,000	40	40	40	24279
75	A	P80	Yellow	25,000	40	40	40	24280
75	C	P80	Yellow	20,000	40	80	80	30126
75	C	P120	White	20,000	40	80	80	30127
75	C	P220	Red	20,000	40	80	80	30128
75	C	P400	Blue	20,000	40	80	80	30129
75	C	6 micron	Peach	20,000	40	80	80	30131

\*use with 990M Mandrel for 50mm and 75mm RB-ZB

**Mineral** Cubitron™ blend  
**Construction** BB-ZS Shaft mounted discs impregnated with abrasive



### Benefits

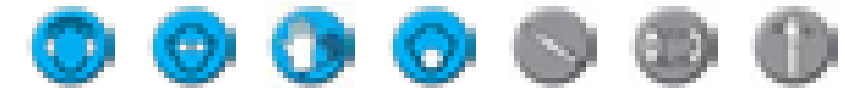
- Shaft mounted to provide easy use and quick change.
- Works well on irregular surfaces or detailed features.
- Increased safety when converting from wire brushes

### Applications

- Cleaning, finishing, deburring of various parts where extreme conformability is required (machined parts, turbine blades, threads, engine parts etc.).  
 Wood defuzzing and graining; weld discolouration removal (stainless steel)

### Materials

- Metal
- Wood
- Plastics and composite materials



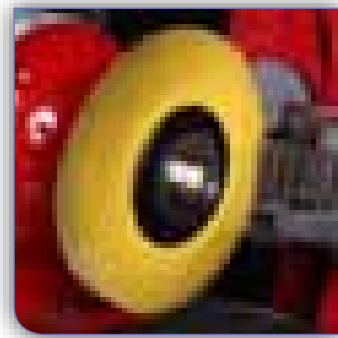
Size	Type	Grade	Colour	MOS	MOQ	Part Number
50mm	C	P80	Yellow	10,000	6	62965
50mm	C	P120	White	10,000	6	62966
50mm	C	P220	Red	10,000	6	62967
75mm	C	P80	Yellow	10,000	6	62968
75mm	C	P120	White	10,000	6	62969
75mm	C	P220	Red	10,000	6	62970



## Scotch-Brite™ Radial Bristle BB-ZB

## Scotch-Brite™ Bristle Disc - BD-ZB

**Mineral** Cubitron™ blend  
**Construction** BB-ZB Discs are pre assembled to form a brush:  
 150mm - 7 discs  
 200mm - 14 discs



### Benefits

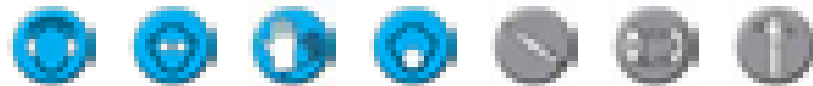
- Works well on irregular surfaces or detailed features
- Increased safety when converting from wire brushes

### Applications

- General surface cleaning (paint, rust, sealer, adhesive, tapes) in every industry; weld discolouration removal (stainless steel); cleaning of complicated shapes; light deburring of metallic machined parts

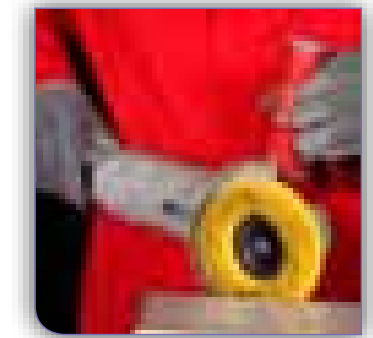
### Materials

- Metal
- Wood
- Plastics and composite materials.



SIZE mm	TYPE	GRADE	COLOUR	MOS (RPM)	UNITS PER INNER	UNITS PER OUTER	MOQ (units)	PART NO.
150	A	P36	Brown	6,000	1	5	5	27603
150	A	P50	Green	6,000	1	5	5	27605
150	A	P80	Yellow	6,000	1	5	5	27606
150	C	P80	Yellow	6,000	5	5	5	33215
150	C	P120	White	6,000	5	5	5	33212
150	C	P220	Red	6,000	5	5	5	33213
150	C	P400	Blue	6,000	5	5	5	33214
200	C	P80	Yellow	6,000	1	2	2	33129
200	C	P120	White	6,000	1	2	2	33130
200	C	P220	Red	6,000	1	2	2	33084
200	C	P400	Blue	6,000	1	2	2	33085
200	S	P50	Green	6,000	1	2	2	33081
200	S	P80	Yellow	6,000	1	2	2	33082
200	S	P120	White	6,000	1	2	2	33083

**Mineral** Cubitron™ blend  
**Construction** Single moulded one-piece construction with built-in female thread for direct mounting onto an angle grinder



### Benefits

- Safe to use with minimal vibration and noise
- No loading combined with better surface conditioning
- Consistency in work, can be used until complete wear of the material
- Easy and quick to change
- Can be run on a wide variety of angle grinders
- More efficient and safer to use than traditional wire brush products

### Applications

- Thick coating removal (paint, rust, adhesive, glue, rubber, etc.), oxide removal, surface contaminants, cleaning and weld discolouration

### Materials

- Carbon and stainless steel, non-ferrous materials (copper alloys, aluminium alloys, etc.) and synthetic materials



SIZE mm	GRADE	COLOUR	MOS (RPM)	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO.
115 x M14	P50	Green	12,000	5	10	10	24241
115 x M14	P80	Yellow	12,000	5	10	10	24242
115 x M14	P120	White	12,000	5	10	10	24243



## Accessories and Refill Packs

DESCRIPTION	SIZE	CODE	GRADE	COLOUR	UNITS PER INNER	UNITS PER OUTER	MOQ (units)	PART NO.
990-M Mandrel	6mm				1	5	5	325310
Radial Bristle Brush Refill Pack Type A	150mm	BB-ZB	P50	Green	40	40	80	27622
Radial Bristle Brush Refill Pack Type C	150mm	BB-ZB	P80	Yellow	40	40	80	33055
Radial Bristle Brush Refill Pack Type C	150mm	BB-ZB	P120	White	40	40	80	33056
Radial Bristle Brush Refill Pack Type C	150mm	BB-ZB	P220	Red	40	40	80	33057
Radial Bristle Brush Refill Pack Type C	150mm	BB-ZB	P400	Blue	40	40	80	33058

# Wheels

DISCS

ROLOC

BRISTLE

WHEELS

## 3M™ Cut Off Wheels

MATERIAL	Page	Mineral	Density	Bond	Backing	Features
Green Corps	68	C	-	R	-	-
Inox	69	AO	-	R	-	-

## Scotch-Brite™ Deburring & Finishing Wheels

MATERIAL	Page	Mineral	Density	Bond	Backing	Features	Type T	ULFN	VFN	FIN	MED	CRS	XCRS	P60	P80	P120	P180	P240
X3-WL	70	SC	9	-	-	-												
DB-WL	71	SC	7	-	-	-												
			8	-	-	-												
FS-WL	72	AO	5	-	-	-												
			8	-	-	-												
			2	-	-	-												
XR-WM	73	AO	-	-	-	-												

## Scotch-Brite™ Unitised Wheels

MATERIAL	Page	Mineral	Density	Bond	Backing	Features	Type T	ULFN	VFN	FIN	MED	CRS	XCRS	P60	P80	P120	P180	P240
XL-UW	74	AO	2	-	-	-												
			6	-	-	-												
			8	-	-	-												
XL-UW Mini Bob	75	SC	2	-	-	-												
			6	-	-	-												
CS-UW	76	SC	-	-	-	-												
CP-UW	77	AO	5	-	-	-												

## Scotch-Brite Flap Brushes & Flap Wheels

MATERIAL	Page	Mineral	Density	Bond	Backing	Features	Type T	ULFN	VFN	FIN	MED	CRS	XCRS	P40	P60	P80	P120	P150	P180	P240	P320
3M 339	79	AO	-	R	X	-															
3M 747D	80	C	-	R	X	GA															
CP-FB	81	AO	5	-	-	-															
			7	-	-	-															
CF-FB	82	AO	5	-	-	-															
			7	-	-	-															
CB-ZS	83	AO	-	-	-	-															
FF-ZS	84	AO	-	-	-	-															
			SC	-	-	-	-														
PF-ZS	84	AO	-	-	-	-															
CS-MB	85	AO	-	-	-	-															
CP-MB	85	AO	-	-	-	-															
CF-MB	85	AO	-	-	-	-															
			SC	-	-	-	-														

C	3M™ Cubitron™ Abrasive Mineral	AO	Aluminium Oxide	SC	Silicon Carbide
R	Resin Bond	X	X-weight Cloth	GA	Grinding Aid

See Scotch-Brite Technical Information for further details



3M Air-Powered Die Grinder

For more information on the right tool, see page 133

## 3M™ Green Corps™ Cut Off Wheels

## 3M™ Inox Cut Off Wheels

**Mineral** 3M™ Cubitron™ Abrasive Grain  
**Construction** Resin bonded, fibre reinforced wheel



### Benefits

- Lasts up to eight times longer than conventional aluminium oxide products
- The combination of high speed rating and Cubitron Mineral content means a cool, sharp, quick cut with minimal product wear

### Applications

- Cutting sheet metal, frames, rails, bars, clamps and rusted bolts

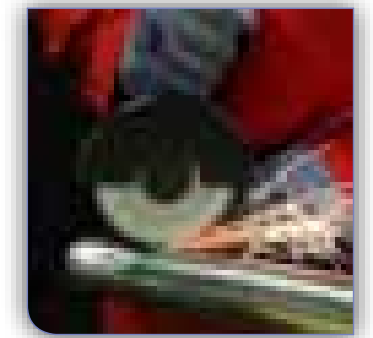
### Materials

- All metals
- GRP



Size (mm)	Max RPM	Wheels per Inner	Wheels Per Outer	MOQ	Part Number
76 x 1.3 x 9.5	25,100	50	50	50	63102
105 x 1.5 x 9.5	20,000	50	50	50	63104
105 x 2 x 9.5	20,000	50	50	50	63105

**Mineral** Aluminium oxide  
**Construction** Resin bond, fibre reinforced, Type BF  
**Format** Type 41  
**Grade** 46



### Benefits

- Good performance and a consistent cut rate at an economical price
- Accurate clean cutting
- Fully compliant with EN12413

### Applications

- Light precise cutting applications

### Materials

- All metals (including stainless steel)

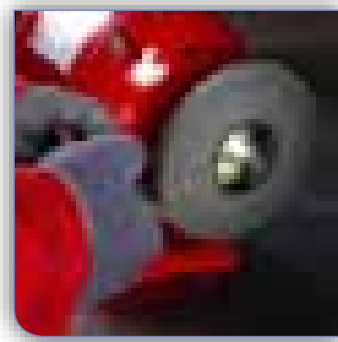


SIZE mm	MOS (rpm)	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO.
115 x 1 x 22	13,300	50	200	200	68010
115 x 1.6 x 22	13,300	50	200	200	60831
125 x 1 x 22	12,200	50	200	200	68011
125 x 1.6 x 22	12,200	50	200	200	60832
180 x 2 x 22	8,500	25	100	100	62918
180 x 2.5 x 22	8,500	25	100	100	62919
230 x 2 x 22	6,650	25	100	100	62920
230 x 2.5 x 22	6,650	25	100	100	62921
230 x 3.2 x 22	6,650	25	100	100	62922

## Scotch-Brite™ EX3 Deburring Wheel X3-WL

## Scotch-Brite™ EXL Deburring Wheel DB-WL

**Mineral** Silicon carbide  
**Construction** Convolutely wound  
**Grades** Fine



### Benefits

- Harder wheel which offers considerably longer life and improved performance over the standard EXL Deburring Wheel
- An excellent product for applications where product value can accurately be measured

### Applications

- Deburring drive/ piston rods prior to chroming; deburring turbine blades, flat punched parts, thread guides and machine parts, gear wheels, pressure-moulded and die-cast parts, auto parts, mould and casting seams

### Materials

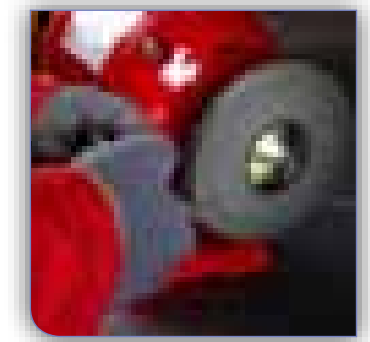
- Harder metals



SIZE mm	DENSITY / GRADE	COLOUR	MAX RPM	WHEELS PER INNER	WHEELS PER OUTER	MOQ (wheels)	USE WITH	PART NO.
150 x 12 x 25.4	9SFN	D Grey	6,000	4	4	4	FL-AC Flange Page 87	30214
150 x 25 x 25.4	9SFN	D Grey	6,000	3	3	3		30213
200 x 13 x 76.2	9SFN	D Grey	4,500	4	4	4		30212
203 x 25 x 76.2	9SFN	D Grey	4,500	3	3	3		24579
203 x 50.8 x 76.2	9SFN	D Grey	4,500	2	2	2		93039

For mandrels see P87

**Mineral** Silicon carbide  
**Construction** Convolutely wound  
**Grades** Fine, Medium



### Benefits

- Available in three different grades to cope with a range of deburring applications
- Continuously exposes abrasive to the workpiece to produce a consistent finish throughout the life of the product
- Will not undercut, gouge, generate flats or distort the workpiece

### Applications

- Deburring drive/ piston rods prior to chroming; deburring turbine blades, flat punched parts, thread guides and machine parts, gear wheels, pressure-moulded and die-cast parts, auto parts, mould and casting seams

### Materials

- All metals



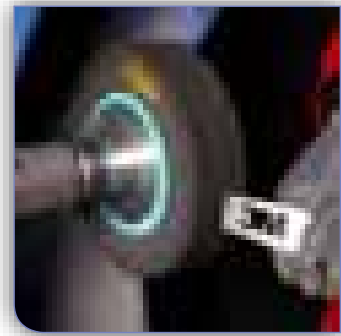
SIZE mm	DENSITY / GRADE	COLOUR	MAX RPM	WHEELS PER INNER	WHEELS PER OUTER	MOQ (wheels)	USE WITH	PART NO.
152 x 25.4 x 25.4	9SFN	D Grey	6,000	3	3	3	FL-AC Flange Page 87	18762
152 x 25.4 x 25.4	8SMED	D Grey	6,000	3	3	3		18761
152 x 25.4 x 25.4	7SFN	L Grey	6,000	3	3	3		18768
203 x 25.4 x 76.2	9SFN	D Grey	4,500	3	3	3		18764
203 x 25.4 x 76.2	8SMED	D Grey	4,500	3	3	3		18763
203 x 25.4 x 76.2	7SFN	L Grey	4,500	3	3	3		18769
203 x 50.8 x 76.2	9SFN	D Grey	4,500	2	2	2		18767
203 x 50.8 x 76.2	8SMED	D Grey	4,500	2	2	2		18766
203 x 50.8 x 76.2	7SFN	L Grey	4,500	2	2	2		18771

For mandrels see P87

# Scotch-Brite™ Finishing Wheel FS-WL

# Scotch-Brite™ Moulded Wheel XR-WM (DLO Wheel)

**Mineral** Aluminium oxide / Silicon carbide  
**Construction** Convolutely wound  
**Grades** Fine, Medium, Coarse



**Benefits**

- Consistent results throughout product life
- Will not change the geometry of the workpiece
- Produces uniform surface finishes without chatter marks, especially on stainless steel

**Applications**

- Use to achieve a striking, unique finish on stainless steel and other metals

**Materials**

- All metals



SIZE mm	DENSITY / GRADE	COLOUR	MAX RPM	WHEELS PER INNER	WHEELS PER OUTER	MOQ (wheels)	PART NO.
152 x 25.4 x 25.4	2SCRS	Black	6,000	3	3	3	18756
152 x 25.4 x 25.4	2SMED	Grey	6,000	3	3	3	18757
152 x 25.4 x 25.4	5ACRS	Red	6,000	3	3	3	93363
152 x 25.4 x 25.4	5AMED	Red	6,000	3	3	3	93367
152 x 25.4 x 25.4	6SFN	L Grey	6,000	3	3	3	18772
152 x 25.4 x 25.4	8AMED	Red	6,000	3	3	3	18760
152 x 50.8 x 25.4	2SCRS	Black	6,000	2	2	2	30208
152 x 50.8 x 25.4	2SMED	Grey	6,000	2	2	2	30209
203 x 50.8 x 76.2	2SCRS	Black	4,500	2	2	2	18758
203 x 50.8 x 76.2	2SMED	Grey	4,500	2	2	2	18759
203 x 50.8 x 76.2	5ACRS	Red	4,500	2	2	2	93366
203 x 50.8 x 76.2	5AMED	Red	4,500	2	2	2	93370
203 x 50.8 x 76.2	6SFN	L Grey	4,500	2	2	2	18770
203 x 50.8 x 76.2	8AMED	Red	4,500	2	2	2	18765

**Mineral** Aluminium oxide  
**Construction** Resin moulded  
**Grades** P120, P240



**Benefits**

- Advanced moulded resin and abrasive wheel continuously exposes abrasive to the workpiece to achieve consistent results throughout product life
- Better edge retention and smoother running than rubber bonded or non-woven wheels, meaning less need to dress to shape, better access into corners and reduced operator fatigue
- Combines small defect removal with a fine finish, reducing process steps

**Applications**

- Small defect removal; heavy deburring

**Materials**

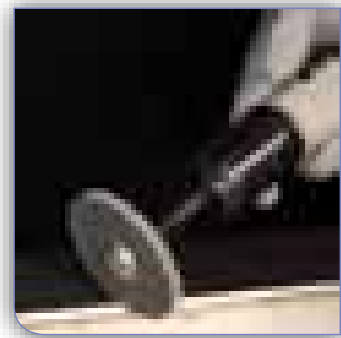
- Mild steel
- Stainless steel
- Titanium
- Nickel alloys
- Cobalt-chrome
- Aluminium
- Brass



SIZE mm	DENSITY / GRADE	COLOUR	MAX RPM	WHEELS PER INNER	WHEELS PER OUTER	MOQ (wheels)	PART NO.
152 x 13 x 25.4	HA120	Tan	3,000	2	2	2	62041
203 x 13 x 76.2	HA120	Tan	3,000	2	2	2	62043
203 x 25.4 x 76.2	HA240	Tan	3,000	1	1	1	62048

## Scotch-Brite™ EXL Unitised Wheel XL-UW

**Mineral** Aluminium oxide / Silicon carbide  
**Construction** Unitised  
**Grades** Fine, Medium, Course



### Benefits

- Compressed, non-woven fibre construction gives uniform grain distribution which will produce consistent results
- EXL material is extremely tough with an aggressive cutting action, for effective deburring of edges and corners without damaging the part

### Applications

- Deburring a range of metal parts

### Materials

- All metals



SIZE mm	DENSITY / GRADE	COLOUR	MAX RPM	WHEELS PER INNER	WHEELS PER OUTER	MOQ (wheels)	Use with	PART NO.
38 x 3 x 4.8	6AMED	Tan/Red	30,100	80	80	160		15515
38 x 3 x 4.8	8ACRS	Tan/Red	30,100	80	80	80		15514
51 x 6 x 6.35	2SFIN	Grey/Purple	16,000	60	60	60		09831
51 x 12 x 6.35	2SFIN	Grey/Purple	16,000	30	30	30		13715
76 x 6 x 6.35	2SFIN	Grey/Purple	12,000	40	40	40		13716
76 x 12 x 6.35	2SFIN	Grey/Purple	10,000	20	20	20	For 6.35mm centres use with 933 Mandrel.	13717
76 x 25 x 6.35	2SFIN	Grey/Purple	5,000	10	10	10		09842
152 x 6 x 12.7	2SFIN	Grey/Purple	5,000	8	8	8	For 12.7mm centres use with 900-6 Mandrel for widths of 12.7mm or less and 900-8 for widths of 25.4mm	13741
152 x 12 x 12.7	2SFIN	Grey/Purple	5,000	4	4	4		13719
152 x 25 x 12.7	2SFIN	Grey/Purple	5,000	2	2	2		13742
203 x 6 x 12.7	2SFIN	Grey/Purple	4,000	8	8	8		15827
203 x 25 x 12.7	2SFIN	Grey/Purple	4,000	2	2	2		30382
51 x 6 x 6.35	2AMED	Grey/Black	16,000	60	60	60		03781
76 x 6 x 6.35	2AMED	Grey/Black	12,000	40	40	40		15531
76 x 12 x 6.35	2AMED	Grey/Black	12,000	20	20	20		15532
51 x 6 x 6.35	6AMED	Tan/Red	22,100	60	60	60		03786
76 x 6 x 6.35	8ACRS	Tan/Red	18,100	40	40	40		13763

For mandrels see P87

## Scotch-Brite™ EXL Mini-Bob XL-UW

**Mineral** Aluminium oxide / Silicon carbide  
**Construction** Unitised  
**Grades** Medium, Fine



### Benefits

- Compressed, non-woven fibre construction gives uniform grain distribution which will produce consistent results
- EXL material is extremely tough with an aggressive cutting action, for effective deburring of edges and corners without damaging the part

### Applications

- Deburring cut edges and internal bores

### Materials

- All metals



SIZE mm	DENSITY / GRADE	COLOUR	MAX RPM	WHEELS PER INNER	WHEELS PER OUTER	MOQ (wheels)	USE WITH	PART NO.
25 x 25 x 4.84	2SFIN	Grey/Purple	30,100	50	50	50		13713
25 x 25 x 4.84	6AFIN	Tan/Blue	35,100	50	50	50	Mandrel 936M	15860
25 x 25 x 4.84	6AMED	Tan/Red	35,100	50	50	50		A14063
25 x 25 x 4.84	8AMED	Tan/Red	35,100	50	50	50		13753

For mandrels see P87



## Scotch-Brite™ Clean & Strip Unitised Wheel CS-UW

## Scotch-Brite™ Cut & Polish Unitised Wheel CP-UW

**Mineral** Silicon carbide  
**Construction** Unitised  
**Grades** Extra coarse



### Benefits

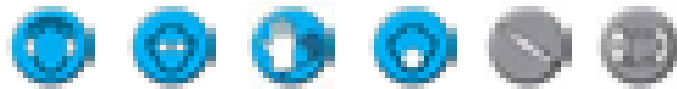
- Coarse grain open web resists loading and heat build-up
- Aggressive cleaning action to remove heavy surface contamination

### Applications

- Removing paint, rust, discolouration, scale, coatings and weld spatter; gasket removal and general maintenance operations

### Materials

- Metal
- Corrosion
- Coatings



SIZE mm	DENSITY / GRADE	COLOUR	MAX RPM	WHEELS PER INNER	WHEELS PER OUTER	MOQ (wheels)	USE WITH	PART NO.
100 x 19 x 12.7	XCRS	Black	8,500	5	5	5	A07947 or 07948	01010
150 x 25 x 25.4	XCRS	Black	4,800	2	2	2	FL-AC Flange 61327	01034

For mandrels see P87

**Mineral** Aluminium oxide  
**Construction** Unitised  
**Grades** Fine



### Benefits

- An aggressive product capable of removing surface imperfection and handling marks
- Compressed, non-woven fibre construction gives uniform grain distribution which will produce consistent results

### Applications

- Deburring a range of metal parts

### Materials

- All metals



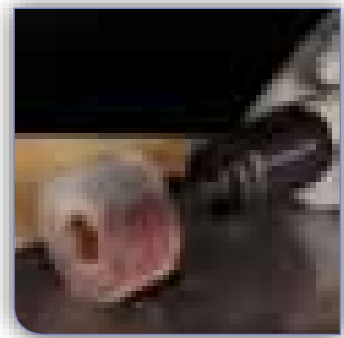
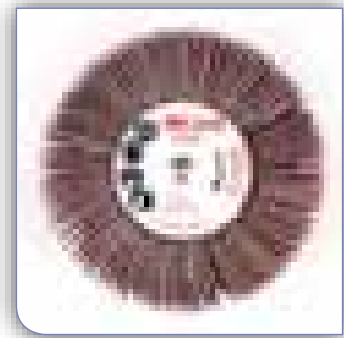
SIZE mm	DENSITY / GRADE	COLOUR	MAX RPM	WHEELS PER INNER	WHEELS PER OUTER	MOQ (wheels)	USE WITH	PART NO.
25 x 25 x 4.8	5AFIN	Tan	35,100	10	50	50	936M Mandrel	01560
75 x 19 x 6.35	5AFIN	Tan	15,100	10	10	10	933M Mandrel	01567

For mandrels see P87

# 3M™ Shaft Mounted Flap Wheels 339

# 3M™ Shaft Mounted Flap Wheels 339

**Mineral** Aluminium oxide  
**Bond** Resin  
**Backing** X-weight cloth



**Benefits**

- A more aggressive product than Scotch-Brite Wheels, capable of removing surface imperfections and handling marks
- Flap construction provides a degree of conformability
- Uniform wear throughout product life
- Enhanced cut and longer life

**Applications**

- Cleaning, finishing and blending surface imperfections

**Materials**

- Metal
- Wood



SIZE	GRADE	MOS (RPM)	WHEELS PER INNER	WHEELS PER OUTER	MOQ	PART NO
30 x 10	P40	25,400	40	40	40	64475
30 x 10	P60	25,400	40	40	40	64476
30 x 10	P80	25,400	40	40	40	64477
30 x 10	P120	25,400	40	40	40	64478
30 x 10	P150	25,400	40	40	40	64479
30 x 10	P180	25,400	40	40	40	64480
30 x 10	P240	25,400	40	40	40	64481
30 x 15	P40	25,400	40	40	40	64482
30 x 15	P60	25,400	40	40	40	64483
30 x 15	P80	25,400	40	40	40	64484
30 x 15	P120	25,400	40	40	40	64485
40 x 20	P40	19,000	40	40	40	64486
40 x 20	P60	19,000	40	40	40	64487
40 x 20	P80	19,000	40	40	40	64488
40 x 20	P120	19,000	40	40	40	64489
40 x 20	P150	19,000	40	40	40	64490
40 x 20	P180	19,000	40	40	40	64491
40 x 20	P240	19,000	40	40	40	64492
50 x 10	P40	15,200	40	40	40	64493
50 x 10	P60	15,200	40	40	40	64494
50 x 10	P80	15,200	40	40	40	64495
50 x 10	P120	15,200	40	40	40	64496
50 x 10	P150	15,200	40	40	40	64497
50 x 20	P40	15,200	40	40	40	64499
50 x 20	P60	15,200	40	40	40	64500
50 x 20	P80	15,200	40	40	40	64501
50 x 20	P120	15,200	40	40	40	64502
50 x 20	P240	15,200	40	40	40	64498
60 x 15	P40	12,700	10	10	10	64503
60 x 15	P60	12,700	10	10	10	64504
60 x 15	P80	12,700	10	10	10	64505
60 x 15	P120	12,700	10	10	10	64506
60 x 30	P40	12,700	10	10	10	64507
60 x 30	P60	12,700	10	10	10	64508
60 x 30	P80	12,700	10	10	10	64509
60 x 30	P120	12,700	10	10	10	64510
60 x 30	P150	12,700	10	10	10	64511
60 x 30	P180	12,700	10	10	10	64512
60 x 30	P240	12,700	10	10	10	64513
60 x 30	P320	12,700	10	10	10	64514
80 x 30	P40	9,500	10	10	10	64515
80 x 30	P60	9,500	10	10	10	64516
80 x 30	P80	9,500	10	10	10	64517
80 x 30	P120	9,500	10	10	10	64518
80 x 30	P240	9,500	10	10	10	64519
80 x 30	P320	9,500	10	10	10	64520
80 x 50	P40	9,500	10	10	10	64521
80 x 50	P60	9,500	10	10	10	64522
80 x 50	P80	9,500	10	10	10	64523
80 x 50	P120	9,500	10	10	10	64524
80 x 50	P150	9,500	10	10	10	64525
80 x 50	P180	9,500	10	10	10	64526
80 x 50	P240	9,500	10	10	10	64527

## 3M™ Cartridge Roll 747D

## Scotch-Brite™ Cut & Polish Flap Brush CP-FB

- Mineral** 3M™ Cubitron™ Abrasive Grain
- Coating** Closed
- Bond** Resin
- Backing** X-weight cloth
- Features** Grinding aid



### Benefits

- Cubitron Mineral cuts quicker and lasts longer than conventional Aluminium Oxide products
- Features a grinding aid for cooler cutting
- Small sizes allow access into intricate and hard-to-reach areas

### Applications

- Deburring; detailing operations; heavy burr and rag removal on all metals

### Materials

- Metal

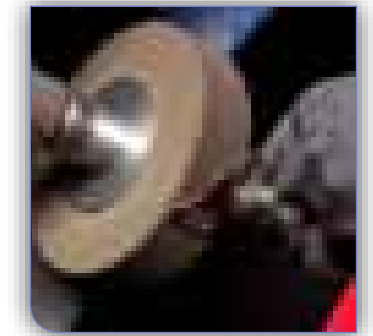


PRODUCT CODE	SIZE mm	GRADE	MAX. RPM	PACK QTY	MOQ (rolls)	PART NO.
747D	13 x 38 x 3.17	P80	30,000	200	200	80796
747D/TAP	13 x 38 x 3.17	P60	30,000	200	200	80786
747D/TAP	13 x 38 x 3.17	P80	30,000	200	200	80787
747D/TAP	13 x 38 x 3.17	P120	30,000	200	200	80788

#### Accessories for use with Cartridge Rolls

DESCRIPTION	SIZE	USE WITH	UNITS PER INNER	UNITS PER OUTER	MOQ	PART NO.
Cartridge Roll Mandrel	6mm	Cartridge Rolls	1	5	5	88749

- Mineral** Aluminium oxide
- Construction** Flaps of Scotch-Brite material bonded to a fibre core
- Grades** Medium



### Benefits

- Three dimensional Scotch-Brite web produces consistent, repeatable results without damaging the workpiece
- Open, flexible flap construction is soft and pliable to produce uniform surface finishes without chatter marks

### Applications

- Satin finishing and light deburring of shaped components

### Materials

- Metal
- Wood



SIZE mm	GRADE	COLOUR	MOS (RPM)	BRUSHES PER INNER	BRUSHES PER OUTER	MOQ (brushes)	PART NO.
200 x 25 x 76.2	5AMED	Brown	4,000	2	2	2	405659
200 x 50 x 76.2	7AMED	Brown	4,000	1	1	1	138658

# Scotch-Brite™ Clean & Finish Flap Brush CF-FB

# 3M™ 450 Combi Wheel CB-ZS

**Mineral** Aluminium oxide/  
Silicon carbide

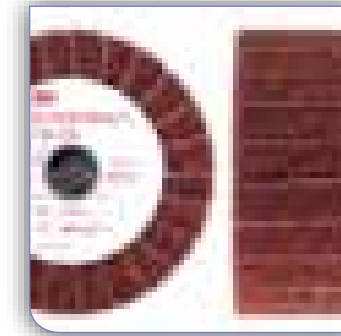
**Construction** Flaps of Scotch-Brite material bonded to a fibre core

**Grades** Very Fine, Fine



**Mineral** Aluminium oxide

**Construction** Alternate flaps of Scotch-Brite web and X-weight coated abrasive cloth



**Benefits**

- Brushes are impregnated with abrasive mineral to give uniform cut and finish throughout product life
- Open, flexible flap construction is soft and pliable to produce uniform surface finishes without chatter marks
- Softer, less aggressive construction than CP-FB, for finer blending and finishing

**Applications**

- Cleaning and light deburring of various substrates; satin finish on metals; smoothing wood prior to varnishing; primer denibbing before final coat

**Materials**

- Metal
- Wood
- Lacquers



SIZE mm	GRADE	COLOUR	MOS (RPM)	BRUSHES PER INNER	BRUSHES PER OUTER	MOQ (brushes)	PART NO.
150 x 50 x 50.8	5AVFN	Maroon	3,400	2	2	2	451664
200 x 50 x 76.2	5AFIN	Maroon	3,200	2	2	2	365163
200 x 50 x 76.2	7AFIN	Maroon	3,200	2	2	2	373032

**Benefits**

- Combination of Scotch-Brite Clean & Finish material and coated abrasive gives greater scratch depth, removes defects and reduces scratch roughness in one step
- Integrated shaft means brush is ready to use, saving downtime and process costs
- Produces a finer finish than a coated abrasive flap wheel

**Applications**

- Blending scratches on stainless steel; fine finishing aluminium prior to anodizing

**Materials**

- All metals



SIZE mm	GRADE	COLOUR	MOS (RPM)	WHEELS PER INNER	WHEELS PER OUTER	MOQ	PART NO.
75 x 45 x 6	P60 / Fine	Green	7,500	10	10	10	03772
75 x 45 x 6	P80 / Fine	Green	7,500	10	10	10	03771
75 x 45 x 6	P120 / Fine	Green	7,500	10	10	10	03770
75 x 45 x 6	P180 / Fine	Green	7,500	10	10	10	03769

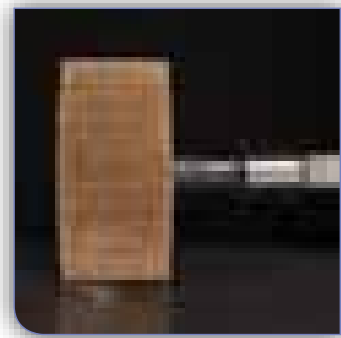
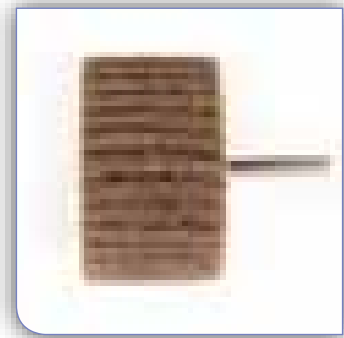
## Scotch-Brite™ Shaft Mounted Flap Brushes FF-ZS, PF-ZS

## Scotch-Brite™ Mini Flap Brushes CS-MB, CP-MB, CF-MB

**Mineral** FF-ZS AVFN & ACRS

- Aluminium oxide
- FF-ZS SFIN
- Silicon carbide
- PF-ZS
- Aluminium oxide

**Construction** Flaps of Scotch-Brite material mounted on a spindle



**Benefits**

- Uniform surfaces on workpieces without chatter marks
- Fine, matt scratch pattern
- Produces a finer finish than a Combi Wheel

**Applications**

- Light deburring; cleaning and finishing; discolouration and oxidation removal from weld seams

**Materials**

- All metals



SIZE mm	GRADE	COLOUR	MOS (RPM)	BRUSHES PER INNER	BRUSHES PER OUTER	MOQ (brushes)	PART NO.
FF-ZS							
75 x 45 x 6	ACRS	Maroon	8,500	10	10	10	07213
75 x 45 x 6	SFIN	Grey	8,500	10	10	10	07215
75 x 45 x 6	AVFN	Maroon	8,500	10	10	10	07217
PF-ZS							
75 x 45 x 6	AMED	Brown	8,500	10	10	10	07209
75 x 45 x 6	AVFN	Brown	8,500	10	10	10	07211

**Mineral** CS-MB

- Silicon carbide
- CP-MB
- Aluminium oxide
- CF-MB
- Aluminium oxide

**Construction** Flaps of Scotch-Brite material bonded to a fibre core



**Benefits**

- Three dimensional Scotch-Brite web produces consistent, repeatable results without damaging the workpiece
- Open, flexible flap construction is soft and pliable to produce uniform surface finishes without chatter marks
- Use as part of a Match & Finish system - see Belts section

**Applications**

- CS-MB - cleaning, finishing, graining
- CP-MB - dull finishing and light deburring
- CF-MB - fine finishing

**Materials**

- Stainless steel
- Aluminium



SIZE mm	GRADE	COLOUR	MOS (RPM)	BRUSHES PER INNER	BRUSHES PER OUTER	MOQ (brushes)	PART NO.
CS-MB							
100 x 100 x 19	ACRS	Black	4,000	2	2	2	00577
CP-MB							
100 x 100 x 19	AMED	Tan	4,000	2	2	2	00578
CF-MB							
100 x 100 x 19	SMED	Grey	4,000	2	2	2	00579
100 x 100 x 19	AFIN	Red	4,000	2	2	2	00580

## Wheel Accessories and Mandrels

## Accessories, Wheel Accessories and Mandrels



**3M Mandrel  
900-6**



**3M Mandrel  
900-8**



**3M Cartridge  
Roll Mandrel**



**3M Euro Flange  
76.2mm**



**3M Euro Flange  
25.4mm**



**3M Mandrel  
933M**



**3M Mandrel  
936M**



**3M Mandrel  
935M**



**3M Mandrel  
990M**

DESCRIPTION	SIZE mm	MOQ (units)	PART NO.
900-6 Mandrel	6mm Shaft	5	A07947
900-8 Mandrel	8mm Shaft	5	7948
Cartridge Roll Mandrel	6mm	5	88749
3M Euro Flange	76.2 x 6 x 12.7	1	A61311
3M Euro Flange	24.4 x 6 x 12.7	1	61327
933M Mandrel	50 x 6 x 25	5	85004
936M Mandrel	50 x 6 x 19	5	85005
935M Mandrel	2-7/8" x 6mm	5	A85003
990M Mandrel	6mm	5	325310
Tapered Spindle Adaptor	76.2 x 50	1	9662
Rubber Cushion Mandrel	25 x 25 x 6	1	45139
Rubber Cushion Mandrel	25 x 50 x 6	1	45137
Diamond Dressing Tool	NA	1	9587



# Belts

DISCS  
ROLOC  
BRISTLE  
WHEELS  
BELTS

3M Belts are available in a wide range of sizes and grades, for further information, please call our customer care team on 0870 60 800 90



3M Air-Powered File Belt Sander

### 3M™ Coated Abrasive Belts

MATERIAL	Page	Mineral	Coating	Bond	Backing	Features	Pressure	1200	1000	800	600	500	400	360	320	280	240	220	180	150	120	100	80	80+	60	60+	50	40	36	36+	24
3M 984F	90	Cu II	CL	R	XF	GA	H																								
3M 967F	90	Cu	CL	R	XF	GA	H																								
3M 977F	91	Cu	CL	R	YF	GA	H																								
3M 947D	91	Cu	CL	R	XF	GA	MH																								
3M 777F	92	Cu	CL	R	XF	GA	MH																								
3M 577F Green	92	AZ	CL	R	XF	GA	MH																								
3M 341D	93	AO	M	R	X	-	M																								
3M 302D	93	AO	-	R	J	-	ML																								

### Scotch-Brite™ Surface Conditioning Belts

MATERIAL	Page	Mineral	Coating	Bond	Backing	Features	Type T	SFN	FIN	MED	CRS
SC-BS	95	AO	-	-	SB	-					
		SC	-	-	SB	-					
DF-BL	95	AO	-	-	LS	-					

### 3M™ Trizact™ Structured Abrasive Belts

MATERIAL	Page	Mineral	Coating	Bond	Backing	Features	Pressure	A300	A160	A110	A100	A90	A80	A65	A60	A45	A40	A35	A30	A20	A16	A10	A6
3M 337DC	97	AO	MaR	-	XF	GA	ML																
3M 237AA	97	Cu	MiR	-	XF	GA	ML																
3M 363FC / 463FC	94	SC	MaR	R	YF	-	M																

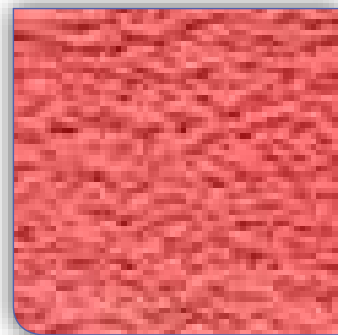
- CU 3M™ Cubitron™ Abrasive Grain
- AZ Alumina Zirconia
- AO Aluminium Oxide
- SC Silicon Carbide
- T Type T
- CL Closed coat
- M Multicut
- MaR Macroreplicated
- MiR Microreplicated
- R Resin bond
- YF Y-weight cloth backing
- XF X-weight cloth backing
- LS Low Stretch
- SB Scrim Backed
- FB Film Backed
- GA Grinding Aid
- M Medium pressure
- MH Medium to high pressure
- H High pressure
- ML Medium to low pressure

BELTS  
HAND  
SANDING  
SHEETS  
ROLLS  
TOOLS  
INDEX

# 3M™ 984F



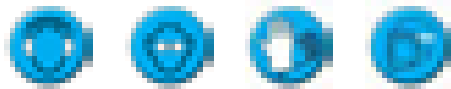
- Mineral** 3M™ Cubitron™ II Precision Shaped Grain
- Backing** YF weight
- Coating** Closed
- Bond** Resin
- Features** Grinding aid
- Pressure** High



### Forget everything you know about grinding with abrasive belts

New 3M™ Cubitron™ II Abrasive Belts have raised the bar for grinding performance and productivity – thanks to a breakthrough 3M technology that re-writes the rules for speed, consistency and belt life.

- Average up to 30% faster cutting on hard-to-grind metals than the next-best competitive belt
- Cuts cooler – diverts heat from the workpiece and belt to the swarf
- Helps eliminate burnishing and heat stress
- Lasts up to 4 times as long as conventional ceramic aluminium oxide belts



### 3M™ Cubitron™ II Abrasive Belt Selection Guide

Conventional Product Grade	Recommended Cubitron II Replacement	Potential Improvements	
		Faster Cut, Longer Life	Reduced Sequence Steps
24	36+	✓	
36	36+	✓	
	60+		✓
40	36+	✓	
	60+		✓
50	36+	✓	
	60+	✓	
	80+		✓
60	60+	✓	
	80+		✓
80	80+	✓	
100	80+	✓	

# 3M™ 967F

- Mineral** 3M™ Cubitron™ Abrasive Grain
- Backing** YF weight
- Coating** Closed
- Bond** Resin
- Features** Grinding aid
- Pressure** High



### Benefits

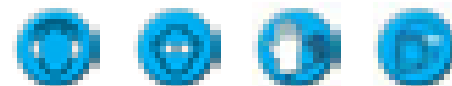
- Designed for superior offhand and pressure-assisted grinding of hard-to-grind, heat-sensitive alloys – the product of choice for titanium
- Features a grinding aid for cooler cutting

### Applications

- Stiff belt suitable for high pressure grinding applications

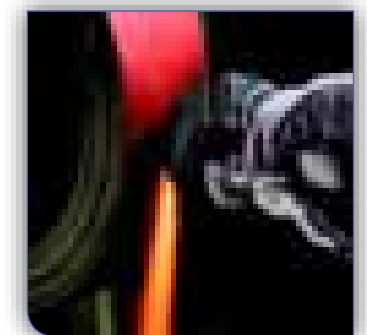
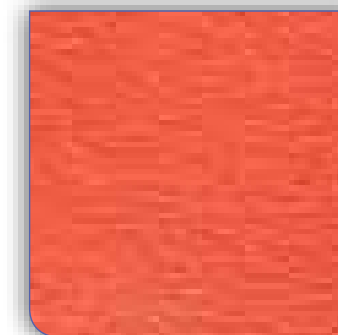
### Materials

- Stainless steel and cobalt
- Tool steels and SG iron
- Nickel alloys and titanium



# 3M™ 977F

- Mineral** 3M™ Cubitron™ Abrasive Grain
- Backing** XF/YF weight
- Coating** Closed
- Bond** Resin
- Features** Grinding aid
- Pressure** High



### Benefits

- Product of choice for stainless steel and other foundry grinding applications
- Can be run wet
- Features a grinding aid for cooler cutting

### Applications

- Stiff belt suitable for high pressure grinding applications

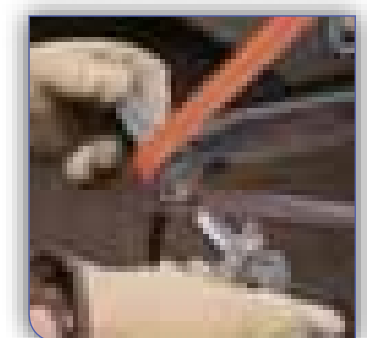
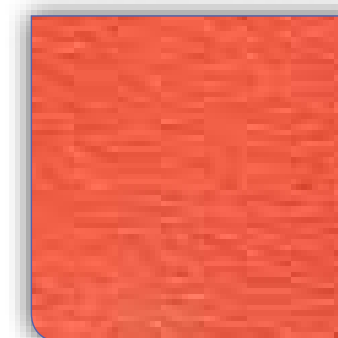
### Materials

- Stainless steel and cobalt
- Mild steel, tool steels and SG iron
- Nickel alloys and titanium



# 3M™ 947D

- Mineral** 3M™ Cubitron™ Abrasive Grain
- Backing** X weight
- Coating** Closed
- Bond** Resin
- Features** Grinding aid
- Pressure** Medium to High



### Benefits

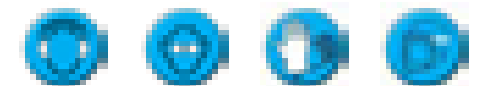
- Flexible X weight backing means suitable for portable hand tools and backstand machines
- Features a grinding aid for cooler cutting

### Applications

- High performance, semi-flexible belt for stock removal and blending applications

### Materials

- Stainless steel and cobalt
- Mild steel, tool steels and SG iron
- Nickel alloys

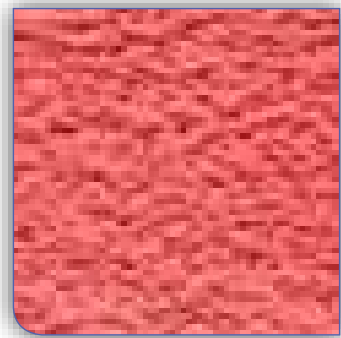


DISCS  
ROLOC  
BRISTLE  
WHEELS  
BELTS

BELTS  
HAND  
SANDING  
SHEETS  
ROLLS  
TOOLS  
INDEX

### 3M™ 777F

- Mineral** 3M™ Cubitron™ Abrasive Grain
- Backing** YF weight
- Coating** Closed
- Bond** Resin
- Features** Grinding aid
- Pressure** Medium



**Benefits**

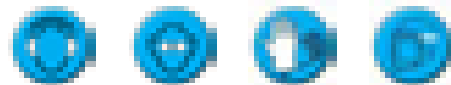
- Designed to save production time
- Long belt life increases productivity
- Fast cut rate reduces process time
- Can be run wet
- Features a grinding aid for cooler cutting

**Applications**

- Stiff belt suitable for grinding applications

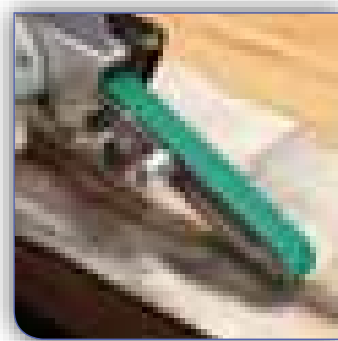
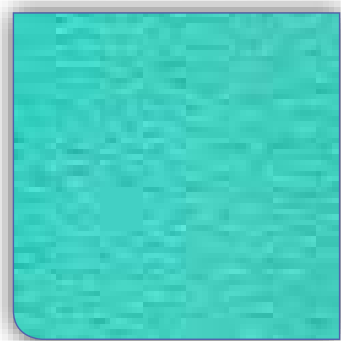
**Materials**

- Stainless steel and cobalt
- Aluminium



### 3M™ 577F (Green)

- Mineral** Alumina zirconia
- Backing** Y weight
- Coating** Closed Coat
- Bond** Resin
- Features** Grinding aid
- Pressure** Medium to High



**Benefits**

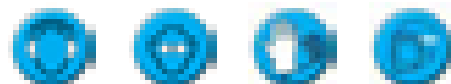
- A higher performing belt than traditional Aluminium Oxide products

**Applications**

- For medium to heavy grinding applications

**Materials**

- All metals



### 3M™ 341D

- Mineral** Aluminium oxide
- Backing** X weight
- Coating** Closed
- Bond** Resin
- Replaces** 3M 251D



**Benefits**

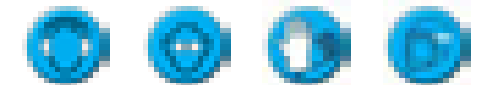
- Designed for grinding and finishing

**Applications**

- General purpose, dry metalworking applications
- Woodworking

**Materials**

- Stainless steel, mild steel, carbon steel and forged steel
- Wood



### 3M™ 302D

- Mineral** Aluminium oxide
- Backing** J weight
- Coating** Closed
- Bond** Resin



**Benefits**

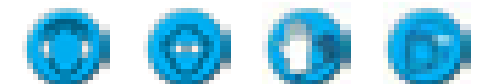
- Designed for polishing and finishing

**Applications**

- Plating and polishing
- Orthopaedic implants
- Builders' hardware

**Materials**

- Stainless steel and carbon steel
- Aluminium, brass, bronze and zinc
- Wood



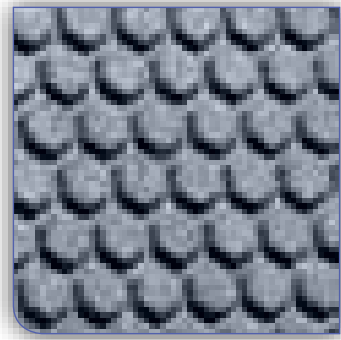
## 3M™ 363FC / 463FC

**Mineral** 463FC Silicon carbide  
363FC Aluminium Oxide

**Backing** YF weight

**Coating** Macroreplicated

**Bond** Resin



### Benefits

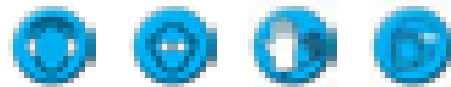
- Designed to last up to two times longer than conventional cork and agglomerate belts
- Delivers faster, more consistent results

### Applications

- Ideal for wet centreless grinding, flat finishing and polishing

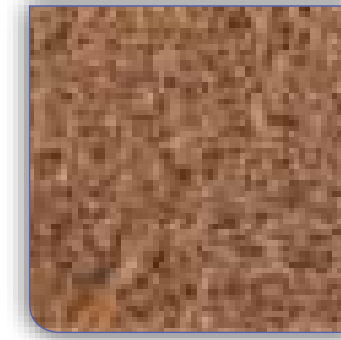
### Materials

- Stainless steel and carbon steel
- Titanium, zirconium, chrome and nickel alloys



**Mineral** Aluminium oxide

**Backing** Scrim backed



### Benefits

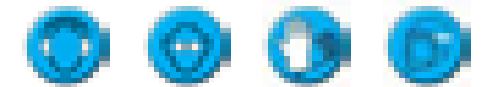
- A tough, non-woven nylon web impregnated throughout its structure to provide a uniform finish
- Produces a smooth burr-free surface
- Spring-like action of the web delivers excellent soft edge properties for the best blended finish

### Applications

- Removing rust and discolouration
- Surface preparation and cleaning

### Materials

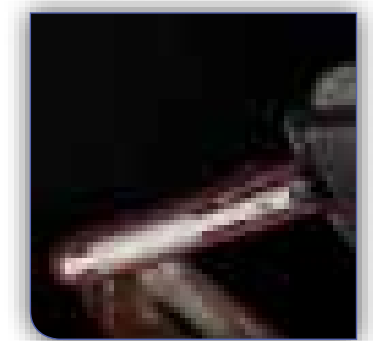
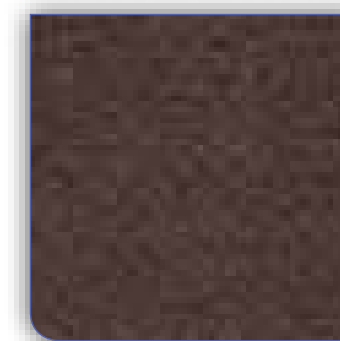
- All metals



## Scotch-Brite™ DF-BL

**Mineral** Aluminium oxide

**Backing** Low stretch flexible



### Benefits

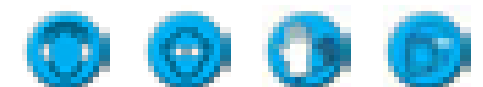
- Everything you have come to expect from Scotch-Brite belts plus:
  - Longer Life
  - Increased cut rate
  - Improved edge durability

### Applications

- Significant increase in flexibility for file belt applications

### Materials

- All metals



## 3M Trizact 237AA

<b>Mineral</b>	Aluminium oxide
<b>Coating</b>	Microreplication
<b>Backing</b>	XF weight
<b>Features</b>	Grinding aid
<b>Pressure</b>	Medium



### Benefits

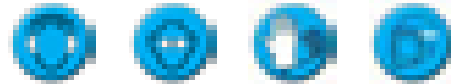
- Saves production time; fewer steps needed to achieve the required finish, reduced rework, fresh cutting surfaces continually exposed resulting in extended belt life and reduced frequency of belt changes
- Improved quality of finish; precise, repeatable finishes from part to part, mineral coating consistency eliminates wild scratches

### Applications

- Ideal for fine finishing on metal, including high precision and cosmetic/visual finishing
- Not suitable for stock removal applications

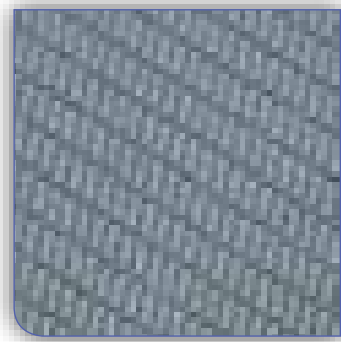
### Materials

- Stainless steel, mild steel and tool steels
- Cobalt, nickel alloys and titanium



## 3M Trizact 337DC (Trizact CF)

<b>Mineral</b>	Aluminium oxide
<b>Coating</b>	Macroreplication
<b>Backing</b>	XF weight
<b>Features</b>	Grinding aid
<b>Pressure</b>	Medium



### Benefits

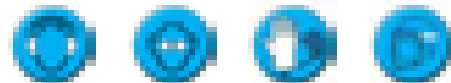
- Delivers a higher cut rate than conventional Trizact, whilst still providing the same quality of finish.

### Applications

- Designed for more demanding applications such as casting skin removal.

### Materials

- Stainless steel, mild steel and tool steels
- Cobalt, nickel alloys and titanium



# Hand Sanding

## Scotch-Brite™ Surface Conditioning Products

MATERIAL	Page	Mineral	Coating	Bond	Type T	ULFN	SFN	VFN	FIN	MED	CRS	XRXS
7441	100	T	-	-								
7448	100	SC	-	-								
7447	100	AO	-	-								
7496	100	AO	-	-								
7446	100	SC	-	-								
7440	100	AO	-	-								
7486	100	AO	-	-								
CF-SR	100	AO	-	-								
	100	SC	-	-								
MX-SR	101	AO	-	-								
	102	SC	-	-								

## Coated Abrasives

MATERIAL	Page	Mineral	Coating	Bond	Microfine	Ultrafine	Supertine	Fine	Medium	Coarse
Standard Sponge	103	-	4	-						
Hi-Flex Sponge	104	-	2	-						
Softback Sponge	105	-	1	-						

## Flexible Diamond Abrasives

MATERIAL	Page	Mineral	Coating	Bond	N10	N20	N40	N74	N125	N250
6200J	106	FD	-	N						
6223J	107	FD	-	N						

- T Type T (non-abrasive)
- SC Silicon Carbide
- AO Aluminium Oxide
- FD 3M™ Flexible Diamond™ Abrasive
- 4 Coated on four faces
- 2 Coated on two faces
- 1 Coated on one face
- R Resin bond
- N Nickel bond

- Type T Type T (non-abrasive)
- ULFN Ultra Fine
- VFN Very Fine
- FIN Fine
- MED Medium
- CRS Coarse
- XRCS Extra Coarse
- N Micron grades

See 3M Coated Abrasives Technical Information and Scotch-Brite Technical Information for further details

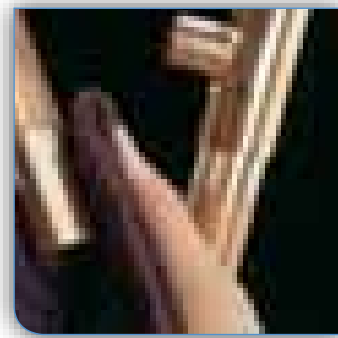




# Scotch-Brite™ Handpads

# Scotch-Brite™ Handpads Pre-Cut on a Roll CF-SR

**Mineral**  
 7486, 7440, 7496, 7447: Aluminium oxide  
 7446, 7448: Silicon carbide  
 7441: Type T (no mineral content)



**Benefits**

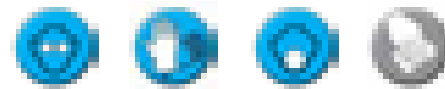
- Flexible, conformable Scotch-Brite Web produces a consistent, repeatable finish without altering the geometry of the workpiece
- Save time and money by reducing rework and improving process time

**Applications**

- Deburring, cleaning, blending, finishing, polishing

**Materials**

- Metal
- Wood
- Lacquers
- Ceramics
- Glass
- Plastics
- Fibre-glass



PRODUCT CODE	SIZE mm	GRADE	COLOUR	PADS PER INNER	PADS PER OUTER	MOQ (pads)	PART NO.
7441	155 x 225	Type T	White	10	40	40	05307
7448	155 x 225	SULFN	Grey	10	60	60	05304
7447	155 x 225	AVFN	Maroon	10	60	60	05303
7496	155 x 225	AFIN	L Green	10	60	60	05305
7446	155 x 225	SCRS	D Grey	10	40	40	04051
7440	155 x 225	AMED	Brown	10	40	40	04050
7486	155 x 225	ACRS	D Green	10	40	40	05306

**Mineral**  
 Purple: Aluminium oxide  
 Grey: Silicon carbide



**Benefits**

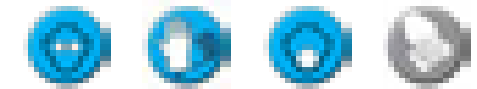
- Cost-effective, hand-sized pads on a roll, perforated for ease of use
- Packaging designed to reduce product wastage
- Longer life, higher cut and a more consistent finish over standard pads

**Applications**

- Cleaning surface corrosion and oxidation; applying matt finishes to metal; wood denibbing; smoothing wood prior to and after primer coats

**Materials**

- Metal
- Wood
- Lacquers
- Ceramics
- Glass
- Plastics
- Fibre-glass



SIZE mm	GRADE	COLOUR	PADS PER ROLL	ROLLS PER INNER	ROLLS PER OUTER	MOQ (rolls)	PART NO.
115 x 150	AVFN	Purple	35	1	4	4	A07903
115 x 150	SULFN	Grey	35	1	4	4	A07904

## Scotch-Brite™ Multi-Flex Sheets (MX-SR)

## 3M™ Standard Sponge

**Mineral**  
 Purple:  
 Aluminium oxide  
 Grey:  
 Silicon carbide



**Coating** Coated on four faces  
**Flexibility** Semi-flexible



### Benefits

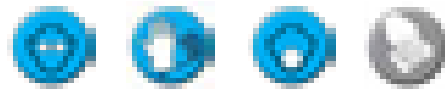
- High conformability means a consistent, clean finish on the most intricate profiles
- User-friendly non-woven material replaces conventional wire wool products for a safer workplace

### Applications

- Cleaning surface corrosion and oxidation; applying matt finishes to metal; wood denibbing; removing frayed wood fibres prior to and after primer coats

### Materials

- Metal
- Wood
- Lacquers



SIZE mm	GRADE	COLOUR	SHEETS PER ROLL	ROLLS PER INNER	ROLLS PER OUTER	MOQ (rolls)	PART NO.
100 x 200	AVFN	Purple	60	1	4	4	A07521
100 x 200	SULFN	Grey	60	1	4	4	277164

### Accessories for use with Scotch-Brite Handpads

DESCRIPTION	SIZE	USE WITH	UNITS PER INNER	UNITS PER OUTER	MOQ	PART NO.
Handpad Holder	89 x 120	Handpads or Rolls	10	10	10	HOLD961

### Benefits

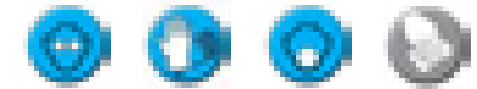
- Available in a variety of grades
- Can be used wet for improved dust control
- Can be washed by hand and re-used
- Coated on four faces for value for money and extended product life

### Applications

- Hand sanding of contours and corners

### Materials

- Wood
- Lacquers



SIZE mm	GRADE	SPONGES PER INNER	SPONGES PER OUTER	MOQ (sponges)	PART NO.
95 x 66 x 25	Fine	24	144	144	03801
95 x 66 x 25	Medium	24	144	144	03802
95 x 66 x 25	Coarse	24	144	144	03803

## 3M™ Hi-Flex Sponge

## 3M™ Softback Sponge

**Coating** Coated on two faces  
**Flexibility** Very flexible and durable



### Benefits

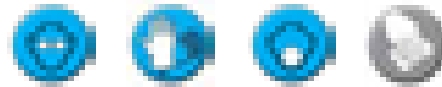
- Available in a variety of grades
- Can be used wet for improved dust control
- Can be washed by hand and re-used
- Coated on two faces for better flexibility

### Applications

- Hand sanding of contours and channels

### Materials

- Wood
- Lacquers



SIZE mm	GRADE	SPONGES PER INNER	SPONGES PER OUTER	MOQ (sponges)	PART NO.
95 x 123 x 12.5	Fine	100	100	100	03804
95 x 123 x 12.5	Medium	100	100	100	68023

**Coating** Coated on one face  
**Flexibility** Very flexible (5mm thick)



### Benefits

- Available in finer grades for finishing
- Can be used wet for improved dust control
- Can be washed by hand and re-used
- Coated on one face for maximum flexibility during more detailed operations

### Applications

- Hand finishing of intricate profiles

### Materials

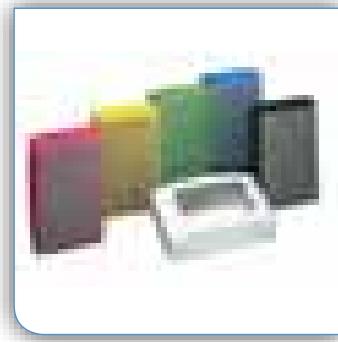
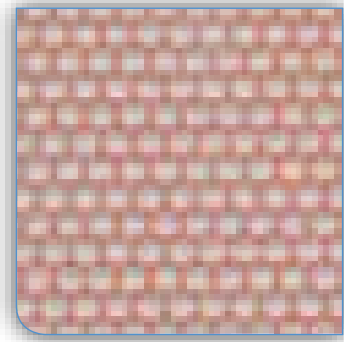
- Wood
- Lacquers



SIZE mm	GRADE	SPONGES PER INNER	SPONGES PER OUTER	MOQ (sponges)	PART NO.
115 x 140 x 5	Superfine	20	200	200	03810
115 x 140 x 5	Fine	20	200	200	03809
115 x 140 x 5	Medium	20	200	200	03808
115 x 140 x 5	Microfine	20	200	200	02600
115 x 140 x 5	Ultrafine	20	200	200	02601

## 3M™ 6200J Hand Laps

<b>Mineral</b>	Flexible diamond abrasive
<b>Grade</b>	Micron
<b>Bond</b>	Nickel
<b>Pattern</b>	Open dot

**Benefits**

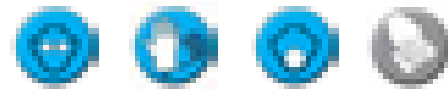
- Colour coded and ergonomically designed pads give excellent control, long product life and a fine finish
- Easy to use, ideal for removing sharp edges from cut glass, hard metals and ceramics

**Applications**

- Edge bevelling (wet and dry applications); deburring hard materials; trimming and finishing composite materials

**Materials**

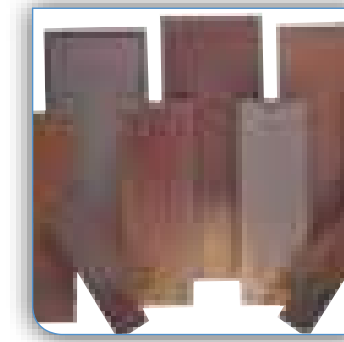
- Glass
- Ceramics
- Composites
- Laminations
- Armoured platings



SIZE mm	GRADE	COLOUR	PADS PER INNER	PADS PER OUTER	MOQ (pads)	PART NO.
90 x 55	N20	White	10	10	10	10067
90 x 55	N40	Yellow	10	10	10	65306
90 x 55	N74	Red	10	10	10	65307
90 x 55	N250	Green	10	10	10	9951
90 x 55	R10	Blue	10	10	10	9956
90 x 55	R30	Yellow/White	10	10	10	9955

## 3M™ 6223J Professional Whetstones

<b>Mineral</b>	Flexible diamond abrasive
<b>Grade</b>	Micron
<b>Bond</b>	Nickel
<b>Pattern</b>	Open dot

**Benefits**

- Easy to use, fast-cutting, long lasting diamond tools
- Supplied with rubber feet to prevent slippage on smooth surfaces

**Applications**

- Precision faceting and sharpening of cutting tools such as chisels, blades, knives, shears and carbide tools

**Materials**

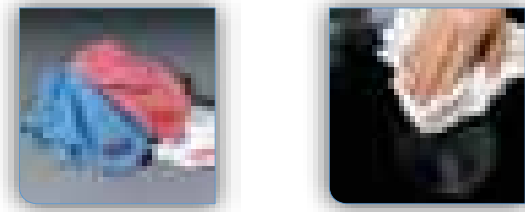
- Hardened metals, including carbide coating



SIZE mm	GRADE	COLOUR	WHETSTONES PER INNER	WHETSTONES PER OUTER	MOQ (whetstones)	PART NO.
150 x 50	N74	Red	5	5	5	65321
150 x 50	N40	Yellow	5	5	5	65320
150 x 50	N20	White	5	5	5	65316

## Scotch-Brite™ 2011 High Performance Cloth

**Structure** Non-woven  
**Composition** 100% fibre, 0% binder  
**Absorption** Capacity 600%



### Benefits

- Best in class for low linting
- Excellent strength when wet – will not tear during use
- Fast absorbency for improved cleaning action
- Ideal for use with 3M Stainless Steel Cleaner

### Applications

- Cleaning and maintenance; degreasing metal panels, removal of solvents and other liquids

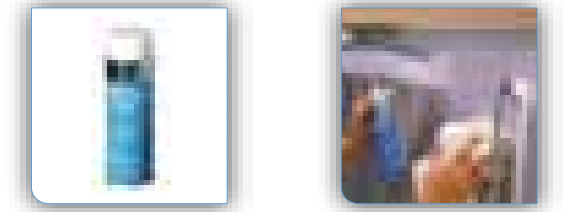
### Materials

- Stainless steel
- Chrome
- Aluminium
- Plastics
- Enamel
- Glass

SIZE mm	COLOUR	CLOTHS PER PACK	CLOTHS PER OUTER	MOQ	PART NO.
320 x 360	Blue	5	50	50	07926

## 3M™ Stainless Steel Cleaner and Polish

**Packaging** Aerosol  
**Fragrance** Lime



### Benefits

- Cleans and polishes in one step, leaving no greasy surface build-up
- Leaves a light, protective film that restores sheen whilst reducing fingerprinting and streaking

### Applications

- Cleaning and maintenance

### Materials

- Stainless steel
- Chrome
- Aluminium
- Plastics
- Enamel
- Other finished / polished metal surfaces

SIZE mm	COLOUR	CANS PER INNER	CANS PER OUTER	MOQ (cans)	PART NO.
600g Aerosol Can	Light Blue	1	12	12	STSTCAN

## 3M™ Professional Panel Wipe

**Structure** Microfibres  
**Composition** 80% polyester, 20% nylon



### Benefits

- Long lasting cloth can be used dry or damp, leaving a lint-free, streak-free finish
- Eliminates the need for cleaning agents in many cases
- Machine washable and reuseable
- Microfibres attract and trap dust particles to leave an ultra-clean surface
- Highly effective when used with 3M Stainless Steel Cleaner

### Applications

- Degreasing surfaces or parts; removal of abrasive residues after polishing; final shine before packaging; removal of dust, dirt, grease and fingerprints

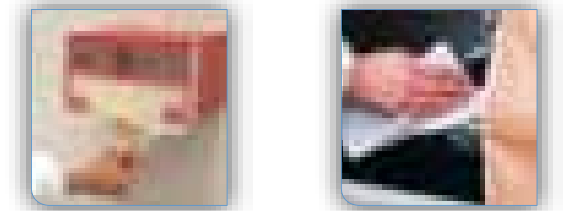
### Materials

- Stainless steel
- Chrome
- Plastics
- Glass
- Paint
- Lacquers
- Other finished / polished metal surfaces

SIZE mm	COLOUR	WIPES PER ROLL	ROLLS PER OUTER	MOQ (rolls)	PART NO.
290 x 370	White	400	1	1	34567

## Scotch-Brite™ Tack Pad

**Structure** Non-woven web



### Benefits

- High dust collection with no drag marks left behind
- No adhesive transfer to hands or surface
- Adhesive is distributed evenly throughout the product for long life and efficiency of use

### Applications

- Cleaning and dust removal

### Materials

- Paints
- Stainless steel
- Chrome
- Aluminium
- Plastics
- Enamel

SIZE mm	DESCRIPTION	COLOUR	PADS PER INNER	PADS PER OUTER	MOQ (pads)	PART NO.
175 x 235	Tack Pad	White	10	60	60	07910

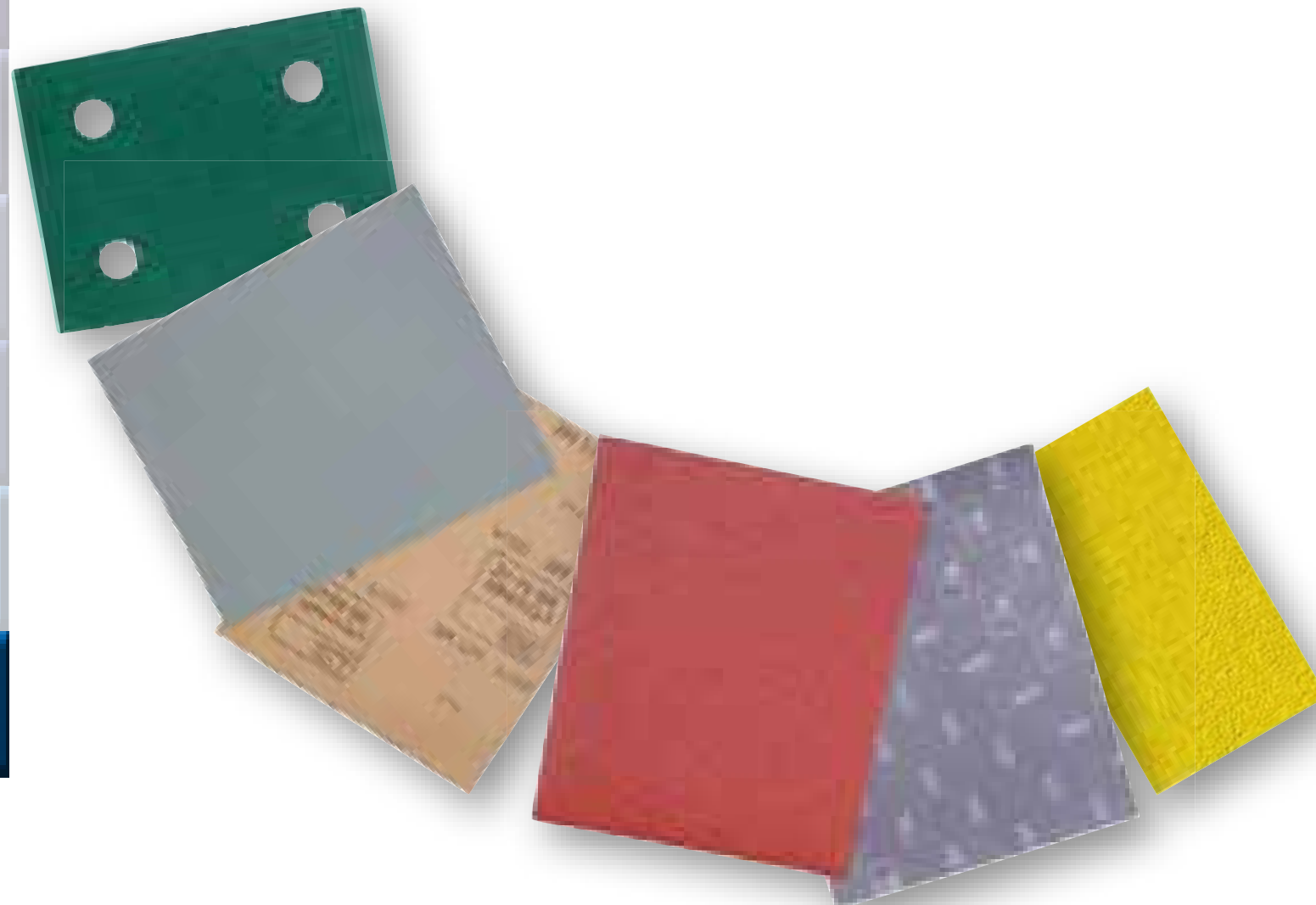
### Accessories for use with Scotch-Brite Tack Pad

SIZE mm	DESCRIPTION	COLOUR	DISPENSERS PER INNER	DISPENSERS PER OUTER	MOQ (dispensers)	PART NO.
-	Dispenser	Red	1	1	1	07909

DISCS  
ROLOC  
BRISTLE  
WHEELS  
BELTS  
HAND  
SANDING

HAND  
SANDING  
SHEETS  
ROLLS  
TOOLS  
INDEX

# Sheets



MATERIAL	Page	Mineral	Coating	Bond	Backing	Attachment	Features	1200	1000	800	600	500	400	360	320	280	240	220	180	150	120	100	80	60	50	40	36	24
3M 245	15	AO	OP	R	E	HKT	-																					
3M 255P	14	AO	CL	R	C	HKT	FC																					
3M 338U		AO	SO	R	C	HKT																						
3M 314D	16	AO	SO	R	J	-	-																					
3M 734	12	SC	CL	R	A/C	-	WOD																					
3M 618	9	SC	OP	R	A	STK	FC																					
3M 622	10	SC	OP	R	A	-	FC																					
3M 110N		GA	OP	G	A	-	-																					

GA	Garnet	A	A-weight paper
SC	Silicon Carbide	C	C-weight paper
AO	Aluminium Oxide	D	D-weight paper
OP	Open coat	E	E-weight paper
SO	Semi-open coat	J	J-weight cloth
CL	Closed coat	FC	3M™ Fre-Cut™ Anti-Loading Coating
G	Glue bond	WOD	3M™ Wetordry™ Abrasive
R	Resin bond	STK	3M™ Stikit™ Self Adhesive Fastening System
RG	Resin over glue bond	HKT	3M™ Hookit™ Hook and Loop Fastening System

See 3M Coated Abrasives Technical Information for more detail



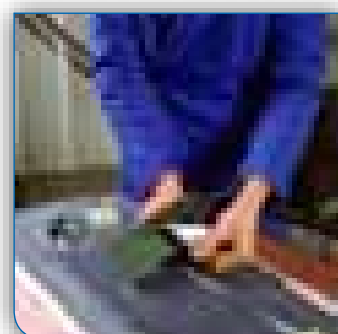
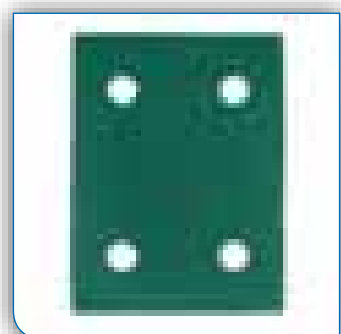
3M Air-Powered Orbital Sander

For more information on the right tool, see page 141



# 3M™ 245

- Mineral** Aluminium oxide
- Coating** Open
- Bond** Resin
- Backing** E-weight paper
- Attachment** Hookit



### Benefits

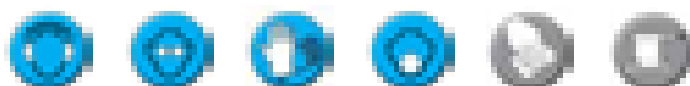
- Stiff E-weight paper gives a strong backing and long product life
- Resin bond resists heat to prevent premature “burning”
- Features the 3M Hookit fixing system, meaning that in conjunction with Hookit accessories, these products can be attached and reattached as many times as necessary

### Applications

- Initial and intermediate sanding on solid wood furniture, wood and metal door and window frames and other hard and soft wood, plastic and metal surfaces by hand and with portable sanding machines

### Materials

- Wood
- Metal
- Paints
- Fillers
- Plastics



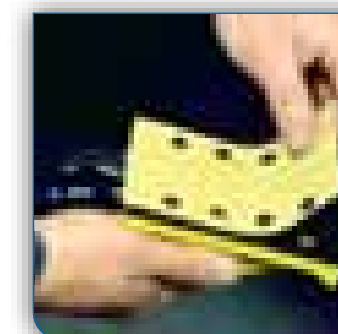
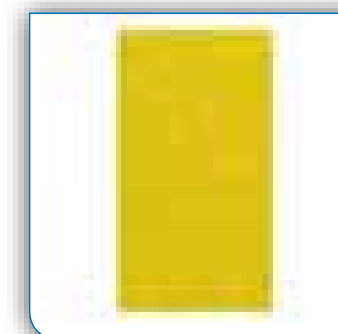
SIZE mm	GRADE	SHEETS PER INNER	SHEETS PER OUTER	MOQ (sheets)	PART NO. PLAIN	PART NO. HOLED
76 x 102	P40	50	250	250	-	62996
76 x 102	P60	50	250	250	-	62997
70 x 127	P40	50	250	500	8383	-
70 x 127	P60	50	500	500	8682	-
70 x 127	P80	50	250	500	8384	-
70 x 127	P120	50	250	500	03256	-
115 x 225	P40	50	250	500	-	A03249
115 x 225	P60	50	500	500	-	A03248
115 x 225	P80	50	250	250	-	A03247

### Accessories for use with Hookit Sheets

DESCRIPTION	SIZE mm	USE WITH	UNITS PER INNER	UNITS PER OUTER	MOQ	PART NO. PLAIN
Hard Hand Block for Hookit Sheets	70 x 127	70 x 127mm Hookit Sheets	10	10	10	05740
Soft Hand Block for Hookit Sheets	70 x 127	70 x 127mm Hookit Sheets	5	5	5	05742

# 3M™ 255P

- Mineral** Aluminium oxide
- Coating** Closed
- Bond** Resin
- Backing** C-weight paper
- Features** Fre-Cut anti-loading coating
- Attachment** Hookit



### Benefits

- C-weight paper backing gives good mineral support meaning longer product life and sustained cutting action
- Features the 3M Hookit fixing system, meaning that in conjunction with Hookit accessories, these products can be attached and reattached as many times as necessary
- Features enhanced anti-loading coating to enhance product working life

### Applications

- Intermediate and final sanding of furniture parts, varnished surfaces, kitchen counter-tops and plastic parts by hand and with portable sanding machines

### Materials

- Lacquered hard & soft wood
- Paints
- Plastics
- Solid surface materials (e.g Corian™)
- Metal

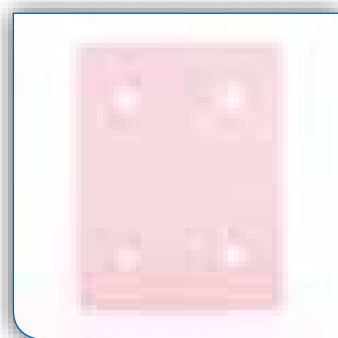


SIZE mm	GRADE	SHEETS PER INNER	SHEETS PER OUTER	MOQ (sheets)	PART NO. PLAIN	PART NO. HOLED
70 x 127	P80	50	250	500	11656	-
70 x 127	P120	50	250	500	03553	11635
70 x 127	P150	50	250	500	03552	14446
70 x 127	P180	50	500	500	03551	11634
70 x 127	P240	50	250	500	03549	11633
70 x 127	P320	50	250	500	03547	11632
115 x 225	P80	50	250	500	-	A03639
115 x 225	P100	50	250	500	-	15683
115 x 225	P120	50	250	500	-	A03637
115 x 225	P150	50	250	500	-	A03636
115 x 225	P360	50	250	500	-	03630X
115 x 225	P400	50	250	500	-	A03628

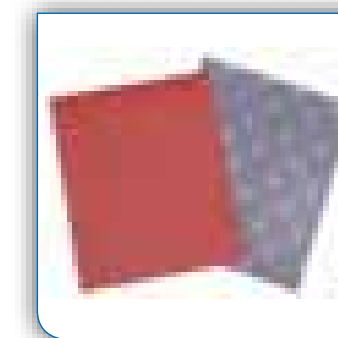
# 3M™ 338U

# 3M™ Utility Cloth 314D

- Mineral** Aluminium oxide
- Coating** Semi-open
- Bond** Resin
- Backing** C-weight paper
- Attachment** Hookit



- Mineral** Aluminium oxide
- Coating** Semi-open
- Bond** Resin
- Backing** J-weight cloth



### Benefits

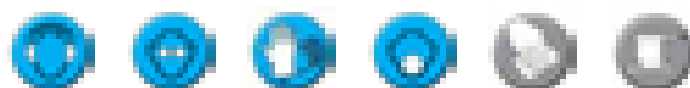
- C-weight paper backing gives good mineral support meaning longer product life and sustained cutting action
- Features the 3M Hookit fixing system, meaning that in conjunction with Hookit accessories, these products can be attached and reattached as many times as necessary
- Features enhanced anti-loading coating to enhance product working life

### Applications

- Intermediate and final sanding of furniture parts, varnished surfaces, kitchen counter-tops and plastic parts by hand and with portable sanding machines

### Materials

- Lacquered hard & soft wood
- Paints
- Plastics
- Solid surface materials (e.g Corian™)
- Metal



SIZE mm	GRADE	SHEETS PER INNER	SHEETS PER OUTER	MOQ (sheets)	PART NO. HOLED
76 x 102	P80	50	250	250	62983
76 x 102	P100	50	250	250	62984
76 x 102	P120	50	250	250	62985
76 x 102	P150	50	250	250	62986A
76 x 102	P180	50	250	250	62987
76 x 102	P220	50	250	250	62988
76 x 102	P240	50	250	250	62989
76 x 102	P280	50	250	250	62990
76 x 102	P320	50	250	250	62991
76 x 102	P400	50	250	250	62993
76 x 102	P500	50	250	250	62994

### Benefits

- Durable coating and excellent mineral retention means long product life
- Easy to tear backing leaves clean and straight edges
- J-weight cloth gives enhanced flexibility without mineral loss and minimal surface cracking
- Good performance at an economical price

### Applications

- For off hand finishing of tubes, rods, profiles, machine and engineering parts, metal furniture, wood furniture, land, sea and air vehicles; general maintenance and repair operations

### Materials

- Metal
- Wood
- Plastics

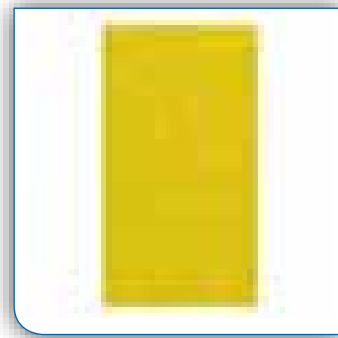


SIZE mm	GRADE	SHEETS PER INNER	SHEETS PER OUTER	MOQ (sheets)	PART NO.
230 x 280	P40	25	250	250	62906
230 x 280	P50	25	250	250	62905
230 x 280	P60	25	250	250	62904
230 x 280	P80	25	250	250	62903
230 x 280	P100	25	250	250	62902
230 x 280	P120	25	250	250	62901
230 x 280	P150	25	250	250	62900
230 x 280	P180	25	250	250	62899
230 x 280	P240	25	250	250	62897
230 x 280	P320	25	250	250	62907
230 x 280	P400	25	250	250	62896

# 3M™ 255P

# 3M™ Wetordry™ 734

- Mineral** Aluminium oxide
- Coating** Closed
- Bond** Resin
- Backing** C-weight paper
- Features** Fre-Cut anti-loading coating



- Mineral** Silicon carbide
- Coating** Closed
- Bond** Resin
- Backing** A/C-weight paper
- Features** Use wet or dry



### Benefits

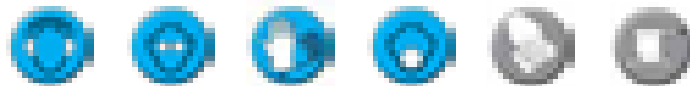
- C-weight paper backing gives good mineral support meaning longer product life and sustained cutting action
- Features the 3M Hookit fixing system, meaning that in conjunction with Hookit accessories, these products can be attached and reattached as many times as necessary
- Features enhanced anti-loading coating to enhance product working life

### Applications

- Intermediate and final sanding of furniture parts, varnished surfaces, kitchen counter-tops and plastic parts by hand and with portable sanding machines

### Materials

- Lacquered hard & soft wood
- Paints
- Plastics
- Solid surface materials (e.g Corian™)
- Metal



SIZE mm	GRADE	SHEETS PER INNER	SHEETS PER OUTER	MOQ (sheets)	PART NO. PLAIN
230 x 280	P80	100	500	500	A63113
230 x 280	P100	100	500	500	A63114
230 x 280	P120	100	500	500	A63115
230 x 280	P150	100	500	500	A63116
230 x 280	P180	100	500	500	A63117
230 x 280	P220	100	500	500	A63118
230 x 280	P240	100	500	500	A63119
230 x 280	P280	100	500	500	A63120
230 x 280	P320	100	500	500	A63121
230 x 280	P360	100	500	500	A63122
230 x 280	P400	100	500	500	A63123
230 x 280	P500	100	500	500	A63124

### Benefits

- Sharp, abrasive silicon carbide mineral ensures long product life and good surface quality
- Flexible and conformable water resistant paper backing for easier handling

### Applications

- Off hand sanding on panelling, lacquer surfaces, metallurgical specimens and sheet metal

### Materials

- Laminated and/or coated surfaces
- Fillers
- Metal
- Plastics
- Acrylics
- Other solid surface materials



SIZE mm	GRADE	PAPER WEIGHT	SHEETS PER INNER	SHEETS PER OUTER	MOQ (sheets)	PART NO.
230 x 280	P80	C	50	250	250	A02022
230 x 280	P100	C	50	250	250	A02021
230 x 280	P120	C	50	250	250	A02020
230 x 280	P150	C	50	250	250	A02019
230 x 280	P180	C	50	250	250	A02018
230 x 280	P220	A	50	250	250	A02015
230 x 280	P240	A	50	250	250	A02014
230 x 280	P280	A	50	250	250	A02013
230 x 280	P320	A	50	250	250	A02012
230 x 280	P360	A	50	250	250	A02011
230 x 280	P400	A	50	250	250	A02010
230 x 280	P500	A	50	250	250	A02009
230 x 280	P600	A	50	250	250	A02008
230 x 280	P800	A	50	250	250	A02007
230 x 280	P1000	A	50	250	250	A02006
230 x 280	P1200	A	50	250	250	A02005

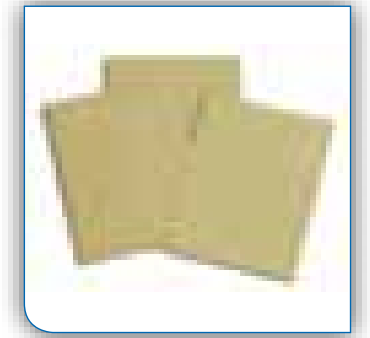
# 3M™ 618 / 3M™ 622

# 3M™ 110N

- Mineral** Silicon carbide
- Coating** Open
- Bond** Resin
- Backing** A-weight paper
- Features** Fre-Cut anti-loading coating



- Mineral** Garnet
- Coating** Open
- Bond** Glue
- Backing** A-weight paper



### Benefits

- Sharp silicon carbide mineral gives an aggressive cut with a fine finish
- Higher loading resistance means extended product life

### Applications

- Hand sanding of furniture, ornaments, frames, fillers, mouldings and profiles: finishing paints, lacquers, wood and plastics

### Materials

- Lacquers
- Plastics
- Primer coats
- Fillers



### 3M 618

SIZE mm	GRADE	SHEETS PER INNER	SHEETS PER OUTER	MOQ (sheets)	PART NO.
230 x 280	P80	50	500	500	A02631
230 x 280	P100	50	500	500	A02565
230 x 280	P120	50	500	500	A02564
230 x 280	P150	50	500	500	A02563
230 x 280	P180	50	500	500	A02562
230 x 280	P220	50	500	500	A02561
230 x 280	P240	50	500	500	A02560
230 x 280	P280	50	500	500	A02559
230 x 280	P320	50	500	500	A02558
230 x 280	P400	50	500	500	A02556

### 3M 622

SIZE mm	GRADE	SHEETS PER INNER	SHEETS PER OUTER	MOQ (sheets)	PART NO.
230 x 280	P120	50	500	500	60730
230 x 280	P150	50	500	500	60729
230 x 280	P240	50	500	500	60726

### Benefits

- Garnet mineral is ideal for light wood sanding
- A-weight paper backing gives flexibility for more detailed work

### Applications

- Wood sanding by hand and using light portable tools

### Materials

- Wood



SIZE mm	GRADE	SHEETS PER INNER	SHEETS PER OUTER	MOQ (sheets)	PART NO.
230 x 280	P100	100	1000	1000	01861
230 x 280	P120	100	1000	1000	01860
230 x 280	P150	100	1000	1000	01859
230 x 280	P180	100	1000	1000	01858
230 x 280	P220	100	1000	1000	01857

# Rolls

DISCS

ROLOC

BRISTLE

WHEELS

BELTS

HAND  
SANDING

SHEETS

ROLLS



## Coated Abrasives

MATERIAL	Page	Mineral	Coating	Bond	Backing	Features	1200	1000	800	600	500	400	360	320	280	240	220	180	150	120	100	80	60	50	40	36	24
3M Red	122	AO	OP	R	F	XO																					
3M 255P	123	AO	OP	R	C	FC																					
3M 314D	124	AO	SO	R	J	-																					
3M 618	125	SC	OP	R	A	FC																					

## Scotch-Brite™ Surface Conditioning Products

MATERIAL	Page	Mineral	Coating	Bond	Backing	Features	Type T (Talc)	ULFN (SC)	VFN (AO)	FIN (AO)	MED (AO)	CRS (AO)	XCRS (SC)
CP-RL	126	AO	-	-	-	-							
GP-RL	127	AO	-	-	-	-							
CF-RL	128	AO	-	-	-	-							
		SC	-	-	-	-							
		T	-	-	-	-							

SC	Silicon Carbide
AO	Aluminium Oxide
OP	Open coat
SO	Semi-open coat
CL	Closed coat
R	Resin bond
RG	Resin over glue bond
A	A-weight paper

C	C-weight paper
D	D-weight paper
F	F-weight paper
J	J-weight cloth
FC	3M™ Fre-Cut™ Anti-Loading Coating
WOD	3M™ Wetordry™ Abrasive
XO	3M™ Xodust™ Dust Control

Type T	Type T (non-abrasive)
ULFN	Ultra Fine
VFN	Very Fine
FIN	Fine
MED	Medium
CRS	Coarse
XCRS	Extra Coarse

See 3M Coated Abrasives Technical Information and Scotch-Brite Technical Information for further details.



Use with 3M Roll Accessories

For more information call 0870 60 800 90 or visit [3M.co.uk/abrasives](http://3M.co.uk/abrasives)

ROLLS

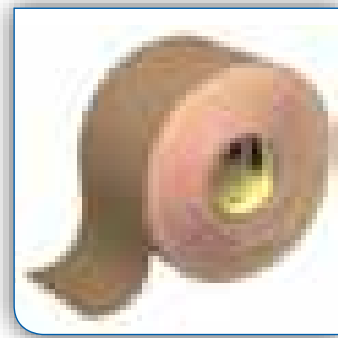
TOOLS

INDEX

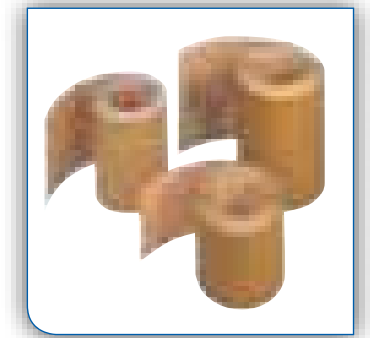
# 3M™ 241UZ Red

# 3M™ 255P

- Mineral** Aluminium oxide
- Coating** Open
- Bond** Resin
- Backing** F-weight paper
- Features** Xodust Dust Control



- Mineral** Aluminium oxide
- Coating** Open
- Bond** Resin
- Backing** C-weight paper
- Features** Fre-Cut anti-loading coating



### Benefits

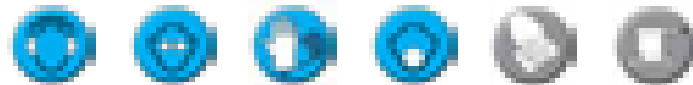
- Very open coat combined with Xodust Dust Control anti-static coating resists loading to give long product life

### Applications

- Hand and portable machine sanding

### Materials

- Soft, resinous woods



SIZE mm	GRADE	ROLLS PER INNER	ROLLS PER OUTER	MOQ (ROLLS)	PART NO.
115 x 50m	P40	2	2	2	04243
115 x 50m	P60	2	2	2	04242
115 x 50m	P80	2	2	2	04241
115 x 50m	P100	2	2	2	04240
115 x 50m	P120	2	2	2	04239
115 x 50m	P150	2	2	2	04238
115 x 50m	P180	2	2	2	04237

### Benefits

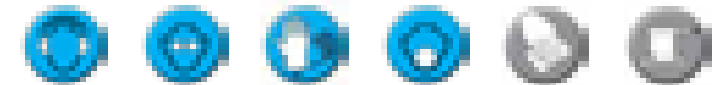
- C-weight paper backing gives good mineral support for longer product life and sustained cutting action
- Features enhanced anti-loading coating to extend product working life

### Applications

- Hand and portable machine sanding

### Materials

- Laminated and/or coated surfaces
- Fillers
- Metal
- Plastics
- Acrylics
- Other solid surface materials



SIZE (MM)	GRADE	ROLLS PER INNER	ROLLS PER OUTER	MOQ (ROLLS)	PART NO
115 x 50m	P80	2	12	12	507317
115 x 50m	P100	2	12	12	507318
115 x 50m	P120	2	12	12	507320
115 x 50m	P150	2	12	12	507321
115 x 50m	P180	2	12	12	507322
115 x 50m	P220	2	12	12	507323
115 x 50m	P240	2	12	12	507324
115 x 50m	P280	2	12	12	507325
115 x 50m	P320	2	12	12	507326
115 x 50m	P400	2	12	12	507328



# 3M™ Utility Cloth 314D

# 3M™ 618

- Mineral** Aluminium oxide
- Coating** Semi-open
- Bond** Resin
- Backing** J-weight cloth



- Mineral** Silicon carbide
- Coating** Open
- Bond** Resin
- Backing** A-weight paper
- Features** Fre-Cut™ anti-loading coating



### Benefits

- Durable coating and excellent mineral retention means long product life
- Easy-to-tear backing leaves clean and straight edges
- J-weight cloth gives enhanced flexibility without mineral loss and surface cracking
- Good performance at an economical price

### Applications

- Off hand finishing of tubes, rods, profiles, machine and engineering parts, metal furniture, wood furniture and vehicles

### Materials

- Metal
- Wood
- Plastics



SIZE (MM)	GRADE	ROLLS PER INNER	ROLLS PER OUTER	MOQ (ROLLS)	PART NO
25 x 25m	P40	1	5	5	62857
25 x 25m	P50	1	5	5	62858A
25 x 25m	P60	1	5	5	62859A
25 x 25m	P80	1	5	5	62860
25 x 25m	P100	1	5	5	62861
25 x 25m	P120	1	5	5	62862
25 x 25m	P150	1	5	5	62863
25 x 25m	P180	1	5	5	62864A
25 x 25m	P240	1	5	5	62866
25 x 25m	P320	1	5	5	62867
25 x 25m	P400	1	5	5	62868
38 x 25m	P40	1	5	5	62870
38 x 25m	P50	1	5	5	62871
38 x 25m	P60	1	5	5	62872A
38 x 25m	P80	1	5	5	62873
38 x 25m	P100	1	5	5	62874
38 x 25m	P120	1	5	5	62875
38 x 25m	P150	1	5	5	62876
38 x 25m	P180	1	5	5	62877
38 x 25m	P240	1	5	5	62879
38 x 25m	P320	1	5	5	62880
38 x 25m	P400	1	5	5	62881
50 x 25m	P40	1	5	5	62883
50 x 25m	P50	1	5	5	62884
50 x 25m	P60	1	5	5	62885
50 x 25m	P80	1	5	5	62886
50 x 25m	P100	1	5	5	62887
50 x 25m	P120	1	5	5	62888
50 x 25m	P150	1	5	5	62889
50 x 25m	P180	1	5	5	62890
50 x 25m	P240	1	5	5	62892
50 x 25m	P320	1	5	5	62893
50 x 25m	P400	1	5	5	62894

### Benefits

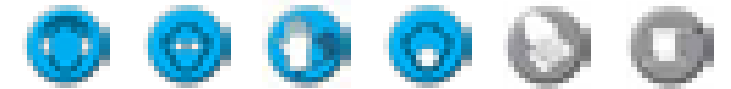
- Silicon Carbide mineral gives a sharp, aggressive cut with a fine finish
- Fre-Cut coating resists loading to extend product life
- Flexible backing is long lasting in hand sanding operations

### Applications

- Hand and portable machine sanding of furniture, ornaments, frames, fillers, mouldings and profiles

### Materials

- Lacquers
- Plastics
- Primer coats
- Fillers
- Wood



SIZE mm	GRADE	ROLLS PER INNER	ROLLS PER OUTER	MOQ (rolls)	PART NO.
115 x 50m	P120	1	2	2	06527
115 x 50m	P150	1	2	2	04672
115 x 50m	P180	1	2	2	04660
115 x 50m	P240	1	2	2	06528
115 x 50m	P320	1	2	2	04655

## Cut & Polish Roll CP-RL

## General Purpose Roll GP-RL

**Mineral** Aluminium oxide



**Mineral** Aluminium oxide



### Benefits

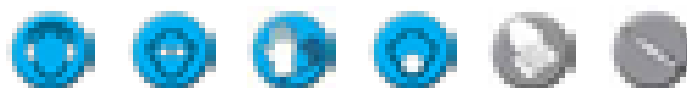
- Aggressive cutting action leaves a uniform, tight scratch pattern
- Small lengths of this robust roll can be used on hand tools with the 3M 935 Mandrel for reaching the inside of tubes and pipes

### Applications

- Deburring, cleaning and finishing

### Materials

- Metal
- Plastics
- Wood
- Composites
- Lacquers



SIZE mm	GRADE	COLOUR	ROLLS PER INNER	ROLLS PER OUTER	MOQ (rolls)	PART NO.
25 x 5m	AMED	Brown	2	10	10	03767
50 x 5m	AMED	Brown	1	5	5	05534

### Accessories for use with Scotch-Brite Cut & Polish Roll

DESCRIPTION	SIZE	MOS (RPM)	USE WITH	UNITS PER INNER	UNITS PER OUTER	MOQ	PART NO.
3M 935 Mini Mandrel	75mm length / 6.35mm shank	14000	CP-RL	5	5	5	00935

### Benefits

- Easy to tear into convenient lengths
- Three-dimensional open structure gives a controlled, repeatable cut and uniform finish

### Applications

- Cleaning; light rust removal; surface preparation prior to painting, gluing, varnishing or electro-plating

### Materials

- Metal
- Wood



SIZE mm	GRADE	COLOUR	ROLLS PER INNER	ROLLS PER OUTER	MOQ (rolls)	PART NO.
125 x 10m	AFIN	Green	1	4	4	03768

## Clean & Finish Roll CF-RL

**Mineral** Aluminium oxide;  
Silicon carbide



### Benefits

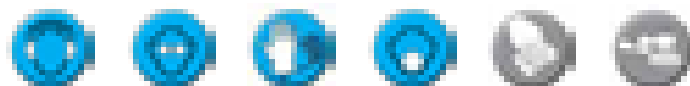
- Highly conformable web for intricate or detailed work – won't alter the geometry of the workpiece
- Easy to cut into desired lengths for hand sanding or use with orbital sanders

### Applications

- Touch-up on brushed stainless steel and aluminium; matt finishing on metal; removal of light blemishes; tool cleaning; cleaning sensitive surfaces (e.g. measuring equipment); roughing lacquered surfaces for repainting; initial and intermediate lacquer coats

### Materials

- Metal
- Wood
- Plastics
- Composites
- Lacquers



SIZE mm	GRADE	COLOUR	ROLLS PER INNER	ROLLS PER OUTER	MOQ (rolls)	PART NO.
100 x 10m	SULFN	Grey	1	4	4	232776
100 x 10m	AVFN	Maroon	1	4	4	03760
100 x 10m	AMED	Maroon	1	4	4	03761
150 x 10m	SULFN	Grey	1	4	4	03766
150 x 10m	AVFN	Maroon	1	4	4	03762
150 x 10m	AFIN	Maroon	1	4	4	03763
150 x 10m	AMED	Maroon	1	4	4	03764
150 x 10m	Type T	White	1	4	4	03765

### Accessories for use with Scotch-Brite Clean & Finish Roll

DESCRIPTION	SIZE	USE WITH	UNITS PER INNER	UNITS PER OUTER	MOQ	PART NO.
3M Stainless Steel Cleaner	600g Can	Handpads or Rolls	1	12	12	STSTCAN
Handpad Holder	89 x 120mm	Handpads or Rolls	10	10	10	HOLD961

# Power Tools

## After Sales Care

### Warranty

3M offer you a 12 month warranty from the day the machine was purchased, and a 6 month warranty for all repaired parts even if this is longer than the overall warranty.

Consumable parts and damage due to misuse are not covered as part of this warranty.

Warranty repairs must be performed by an authorised 3M Warranty Repair Centre.

Please fax your completed warranty card to:

**0161 237 1106 (United Kingdom) 01 280 3509 (Ireland)**

or register online at [3M.co.uk/airtoolswarranty](http://3M.co.uk/airtoolswarranty)

### Spare Parts

Spare Parts are available for every 3M Power Tool and are listed in the user manual of each tool.

To purchase spare parts please contact our Customer Service Team or visit [3M.co.uk/abrasives](http://3M.co.uk/abrasives)

### Vibration

Declared vibration levels found in tool manuals are in accordance with EN12096; measurements carried out in accordance with standard EN ISO 8662-8:1997. The noise and vibration values stated are from laboratory testing in conformity with stated codes and standards and are not sufficient risk evaluation. Values measured in a particular work place may be higher than the declared values. The actual exposure values and amount of risk or harm experienced to an individual is unique to each situation and depends upon the surrounding environment, the way in which the individual works, the particular material being worked, work station design, as well as upon the exposure time and the physical condition of the user. 3M cannot be held responsible for the consequences of using declared values instead of actual exposure values for any individual risk assessment.

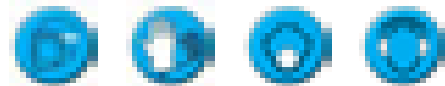
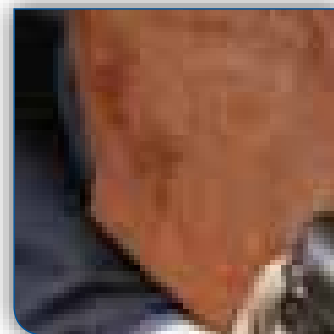
Air Tool	Model No	PSI	Max RPM	Motor HP (w)	Airflow Rate SCFM	Weight (kg)	Length (mm)	Height (mm)	Tool Dia. (mm)	Orbit Dia. (mm)	Air Inlet Thread	Collet Size (mm)
Random Orbital Sander (SGV)	20315	90	12,000	0.28	17	0.57	N/A	78.61	75	2.5	1/4"	N/A
	20319	90	12,000	0.28	17	0.89	219	83	127	5	1/4"	N/A
	20322	90	12,000	0.28	17	0.89	219	83	127	2.5	1/4"	N/A
	20462	90	12,000	0.28	17	0.94	232	83	152	5	1/4"	N/A
	20464	90	12,000	0.28	17	0.94	232	83	152	2.5	1/4"	N/A
Random Orbital Sander (CV)	20316	90	12,000	0.28	17	0.59	N/A	78.61	75	2.5	1/4"	N/A
	20318	90	12,000	0.28	17	0.87	211	83	127	5	1/4"	N/A
	20321	90	12,000	0.28	17	0.87	211	83	127	2.5	1/4"	N/A
	20461	90	12,000	0.28	17	0.91	223	83	152	5	1/4"	N/A
	20463	90	12,000	0.28	17	0.91	223	83	152	2.5	1/4"	N/A
Two Hand Random Orbital Sander	28337	90	12,000	0.46	24	1.32	328	113	152	9.5	1/4"	N/A
Orbital Sander (CV)	20430	90	10,000	0.24	17	0.69	139.3	83.5	75 x 100	2.5	1/4"	N/A
Orbital Sander (SGV)	20431	90	10,000	0.24	17	0.72	142.3	83.5	75 x 100	2.5	1/4"	N/A
Die Grinder	25126	90	20,000	1	35	0.77	196.7	N/A	N/A	N/A	1/4"	6
	25127	90	18,000	1	35	0.77	196.7	N/A	N/A	N/A	1/4"	6
	25128	90	12,000	1	35	0.93	254	N/A	N/A	N/A	1/4"	6
	25129	90	8,000	1	35	0.93	254	N/A	N/A	N/A	1/4"	6
	28345	90	18,000	0.5	23	0.512	174.6	N/A	N/A	N/A	1/4"	6
	28346	90	18,000	0.5	23	0.697	269.9	N/A	N/A	N/A	1/4"	6
	28347	90	4,000	0.5	23	0.717	200	N/A	N/A	N/A	1/4"	6
	Cut-off Wheel Tool	20233	90	25,000	1	35	0.95	196.9	76.2	75	N/A	1/4"
20234		90	20,000	1	35	1.02	196.9	82.6	100	N/A	1/4"	N/A
20243		90	12,000	1	35	1.49	222.3	133.4	115	N/A	1/4"	N/A
20235		90	12,000	1	35	1.57	222.3	133.4	127	N/A	1/4"	N/A
Inline Sander	28338	90	1,600	1	35	1.51	251	N/A	N/A	N/A	1/4"	5/8"
	28339	90	3,500	1	35	1.2	216	N/A	N/A	N/A	1/4"	5/8"
File Belt Sander	28366	90	22,000	0.6	27	1.3	370	74.5	N/A	N/A	1/4"	N/A
Disc Sander	25124	90	20,000	0.5	23	0.89	171.5	69.9	51	N/A	1/4"	6
	25125	90	15,000	1	35	0.58	209.6	82.6	77	N/A	1/4"	6

Electric Tool	Model No	RPM	Power (w)	Voltage (v)	Tool Dia. (mm)	Orbit Dia. (mm)	Weight (kg)	Spindle Thread	Size (l)	Max Output (w)	Air Flow (m3/h)	Low Pressure (hPa)	Dust Class
Random Orbital Sander	64385	5,000 to 10000	450	240	150	3	2.1	N/A	N/A	N/A	N/A	N/A	N/A
	64381	5,000 to 10000	450	240	150	5	2.1	N/A	N/A	N/A	N/A	N/A	N/A
Polisher	64393	700 to 1,850	1,100	240	200	N/A	1.9	N/A	N/A	N/A	N/A	N/A	N/A
	64394	700 to 1,850	1,100	110	200	N/A	1.9	N/A	N/A	N/A	N/A	N/A	N/A
Portable Dust Extraction Unit	64397	N/A	N/A	240	N/A	N/A	N/A	N/A	25	1,400	220*	248*	L
	64405	N/A	N/A	240	N/A	N/A	N/A	N/A	50	1,400	220*	248*	L
	64401	N/A	N/A	240	N/A	N/A	N/A	N/A	25	1,400	140**	225**	M
	64409	N/A	N/A	240	N/A	N/A	N/A	N/A	50	1,400	140**	225**	M

## 3M™ Air-Powered Disc Sander

Designed to allow greater access to work pieces compared to conventional larger disc attachments. Now you can combine the ease of use of the 3M™ Roloc™ Quick-Release System with the high performance and durability of a 3M Air-Powered Disc Sander.

- All models feature a powerful, high torque air motor to optimise overall performance of the 3M Roloc disc system.
- Easier-handling, lightweight, compact design generates less vibration, while improving operator control.
- 3M™ Greptile™ Gripping Material helps provide a more secure grip that can be held with less effort.
- Rear adjustable exhaust feature allows airflow to be directed away from the operator in any preferred direction.
- Works in combination with the Roloc Quick Release System – discs lock securely in place with just half a twist.
- Provides a fast, efficient method for grinding, blending, deburring and finishing on all types of metal.
- All models are supplied with a 3M Roloc Rubber Back-Up Pad and 6mm Collett.



SIZE mm	MOTOR HP	RPM	WEIGHT	LENGTH mm	HEIGHT mm	PART NO.
50mm	0.5	20,000	0.5 kg	171.5	69.9	25124
75mm	1	15000	1 kg	209.6	82.6	25125

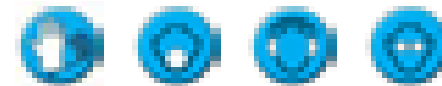
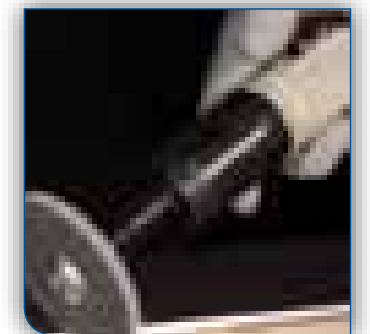
### Applications

- Use the 75mm 1HP version for tougher applications where more control and power is required. Includes removable side handle for ease of use.
- Use the 50mm 0.5 HP version for light grinding, finishing and deburring where its important to confine the area of work.

## 3M™ Air-Powered Die Grinder

Introducing the versatile range of 3M™ Air-Powered Die Grinders with choice of operating speeds and power designed to tackle a variety of applications utilising shaft-mounted and 3M™ Roloc+™ products. Ideal for easy use in small and confined areas.

- The compact design and built-in safety features make these the tools of choice for any job.
- 3M™ Greptile™ Gripping material helps provide a more secure grip that can be held with less effort.
- Rear adjustable exhaust feature allows airflow to be directed away from the operator in any preferred direction.
- All models are supplied with a 6mm Collett.



RPM	MOTOR HP	WEIGHT	LENGTH mm	PART NO.
20,000	1	0.77 kg	196.9	25126
18000	1	0.77 kg	196.9	25127
12000	1	0.93 kg	254	25128
8000	1	0.93 kg	254	25129
18000	0.5	0.512 kg	174.6	28345
18000 [extended]	0.5	0.697 kg	269.9	28346
4,000	0.5	0.717 kg	200	28347

### Applications

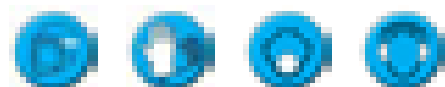
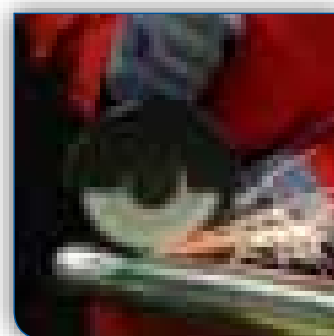
- Powerful 1 HP 3M™ Die Grinders are excellent for optimised results in heavier applications. Lower speed machines feature an offset gear box for higher torque.
- The 0.5 HP models feature a high output air motor. This provides high torque performance resulting in constant speed under load for optimum performance of abrasive product. The 4,000 RPM tool features a planetary gearing system for increased torque.
- Choose the extended shaft grinder where extra reach is needed for cylindrical polishing, buffing and deburring applications.

## 3M™ Air-Powered Cut Off Wheel Tool

## 3M™ Air-Powered File Belt Sander

Designed to easily handle a variety of challenging cutting applications. All models feature a powerful 1HP high torque air motor to optimise the cutting performance of 3M™ Cut Off Wheels.

- The compact design and built-in safety features make these the tools of choice for any job.
- 3M™ Greptile™ Gripping Material helps provide a more secure grip that can be held with less effort.
- Adjustable directional exhaust feature allows airflow to be directed away in any direction preferred.



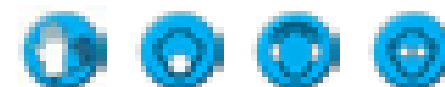
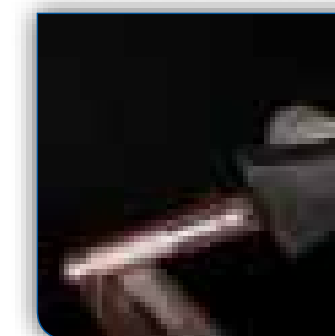
SIZE mm	RPM	WEIGHT	LENGTH mm	HEIGHT mm	PART NO.
75	25000	0.94 kg	196.9	76.2	20233
102	20,000	1.02	196.9	82.6	20234
115	12000	1.49	222.3	133.4	20243
127	12000	1.57	222.3	133.4	20235

### Applications

- For heavy duty applications choose the range of Right Angle Cut Off Wheel Tools, featuring a removable side handle. Use with Type 41 115mm and 127mm Cut Off Wheels.
- For smaller applications choose the range of lightweight Straight Shaft Cut Off Wheel Tools. Use with Type 41 75mm and 102mm Cut Off Wheels.

Ideally suited for use with 3M™ Abrasive and Scotch-Brite™ Belts for a variety of metalworking applications. Grind, deburr and blend from contact wheel or platen, finish and polish from slack of belt.

- Lightweight, durable construction and 0.6 HP motor helps provide an excellent power to weight ratio.
- Both belt head and handle rotate a full 360 degrees to easily access hard-to-reach areas.
- Innovative belt cover allows easy access for quick belt changes.
- 3M™ Greptile™ Grip gives a comfortable and secure grip.
- Warm composite housing minimises vibration for less operator fatigue.
- 3M exhaust system acts to reduce noise levels, clear debris and maintain cool belt running for enhanced results.



ITEM	WEIGHT	LENGTH mm	UNITS PER CASE	RPM	MOTOR HP	PART NO.
Air-Powered File Belt Sander	1.3 kg	370	50	22,000	0.6	28366

ITEM	SIZE mm	LENGTH mm	UNITS PER CASE	PART NO.
Self Generating Vacuum Bag Adaptor	25mm Ext Hose Thread x 25mm ID	10	10	20453

### Applications

- The 3M File Belt Sander comes complete with one standard arm (28368), 3M™ Air Tool Lubricant (20451) and both a steel and rubber drive wheel.
- 3mm–19mm Width x 457mm–610mm Length.

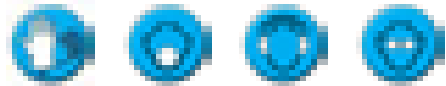


## 3M™ Air-Powered Inline Sander

## 3M™ Portable Dust Extraction Unit

A single system for graining, blending and finishing in stainless steel fabrication. Ideal for flat accessible areas.

- Both models feature a powerful 1 HP high torque air motor to optimise performance in all applications.
- The compact design and fully adjustable side handle collar improve operator control.
- 3M™ Greptile™ Grip material helps provide a more secure grip that can be held with less effort.
- Adjustable exhaust feature allows airflow to be directed away from the operator in any preferred direction.
- Supplied with spindle extension to fit expander wheels and pneumatic drums.



MOTOR HP	RPM	WEIGHT	LENGTH mm	PART NO.
1	1,600	1.51 kg	251	28338
1	3,500	1.2 kg	216	28339

### Applications

- 3,500 RPM version is the recommended running speed on most applications to achieve optimum results.
- 1,600 RPM version where a longer scratch pattern is required. Can also be used with Scotch-Brite™ Wheels where a slower running speed is required.
- Rubber Slotted Expander Wheel is used in more demanding surface finishing applications.
- Pneumatic Drums are a less aggressive option to produce a consistent satin finish and to reduce the likelihood of chatter.

The new 3M™ Portable Dust Extraction Unit is designed to work hand-in-hand with high quality 3M™ Electric and Air-Powered Tools as a comprehensive system. Enjoy quieter, longer and more consistent high suction, thanks to an innovative electromagnetic pulse filter cleaning system.

- Innovative dual filter concept for high suction and more efficient dust collection provides a healthier working environment.
- Automatic electromagnetic pulse filter cleaning for a constant airflow and consistent working.
- Works with both electric and air-powered tools.
- Compact design for greater mobility.
- Anti-static hose.
- Automatic on/off switch.



Colour	Power (Watt)
Black and Grey	1400

ITEM	SIZE	VOLTAGE	DUST CLASS	AIRFLOW ON THE HOSE END (M3/H)	PART NO.
Portable Dust Extraction Unit	25L	240V	M	140	64401
Portable Dust Extraction Unit	50L	240V	M	140	64409
Portable Dust Extraction Unit	25L	110V	M	140	64402
Portable Dust Extraction Unit	50L	110V	M	140	64410

### Applications

- 25L compact size for increased mobility.
- 50L size for increased capacity and longer more consistent working.
- Units come complete with one 35mm hose and two plastic bags.
- Units are dust class M for use with Hazardous dusts with MAK values > 0.1 mg/m³.
- Applications include Automotive Paint, Glass Fibre, Solid Surface, Composites and Wood.

## Air-Powered Random Orbital Sanders

Engineered to work hand-in-hand with the 3M™ Abrasives and Accessories you've always trusted, the 3M Air-Powered Random Orbital Sander provides the power and performance to get the job done with even better results.

- Impressive power to weight ratio.
- Perfectly balanced back-up pad designed to work in harmony with the 3M Air-Powered Random Orbital Sander range.
- Superior balance for reduced vibration, smooth running and operator comfort.
- Ready to use with integral swivel hose adaptor.
- Available in a range of orbits and vacuum systems.

9.5mm Diameter Orbit  
Most aggressive sanding  
**Description:** Gold 9.5mm



5mm Diameter Orbit  
General purpose sanding  
**Description:** Silver 5mm

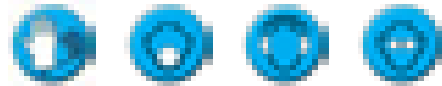


2.5mm Diameter Orbit  
Fine finish sanding  
**Description:** Chrome 2.5mm



## 3M™ Self-Generated Vacuum Random Orbital Sander

- Supplied with a self-contained dust collection system to effectively trap and contain airborne particles.
- Can also be attached to a central vacuum system.



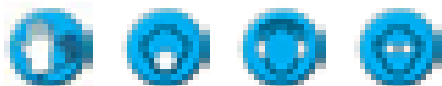
ITEM	WEIGHT	LENGTH mm	HEIGHT mm	PART NO.
75mm (2.5mm orbit)	0.57 kg	186	79	20316
125mm (5mm orbit)	0.89 kg	219	83	20319
125mm (2.5mm orbit)	0.89 kg	219	83	20322
150mm (5mm orbit)	0.94 kg	232	83	20462
150mm (2.5mm orbit)	0.94 kg	232	83	20464



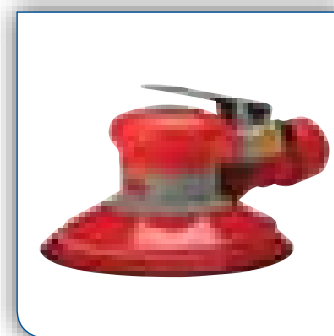
RPM	Vacuum	Motor HP
12,000	Self-Generated	0.28

## 3M™ Central Vacuum Random Orbital Sander

- Supplied ready with swivel hose adaptor to attach to any central vacuum system for efficient evacuation of dust and debris.



ITEM	WEIGHT	LENGTH mm	HEIGHT mm	PART NO.
75mm (2.5mm orbit)	0.57 kg	186	79	20315
125mm (5mm orbit)	0.87 kg	211	83	20318
125mm (2.5mm orbit)	0.87 kg	211	83	20321
150mm (5mm orbit)	0.91 kg	223	83	20461
150mm (2.5mm orbit)	0.91 kg	223	83	20463



RPM	Vacuum	Motor HP
12,000	Central	0.28

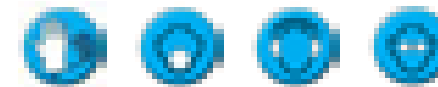
## 3M™ Electric Random Orbital Sander

The powerful and beautifully balanced 3M™ Electric Random Orbital Sander, incorporating an efficient self generated dust extraction system, is designed to work hand-in-hand with the 3M™ Abrasives and Accessories you already trust.

- Ergonomic grip for better handling and operator comfort.
- Close rubber skirt and shroud for improved dust extraction.
- Powerful 450 watt motor for shorter processing times.
- Robust design for longer life.
- Variable speed for greater versatility.



RPM	Vacuum	Motor HP
5,000 – 10,000	Self-Generated / Central	450

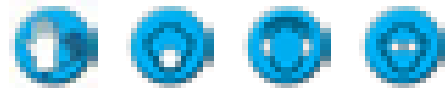


SIZE mm	VOLTAGE	WEIGHT	CURRENT	PART NO.
150 (3mm orbit)	240V	2.1 kg	2A	64385
150 (5mm orbit)	240V	2.1 kg	2A	64381
150 (5mm orbit)	110V	2.1 kg	4A	64382
150 (3mm orbit)	110V	2.1 kg	4A	64386

- Increased efficiency, improved comfort.
- The new 3M Electric Random Orbital Sander is designed to work hand-in-hand with the 3M products you already trust.
- The back-up pad and tool are precision balanced to work in harmony reducing vibration.

## 3M™ Two-Hand Random Orbital Sander

- A very compact and lightweight orbital sander. The right-angle design means that it is easy to see the area being sanded for improved accuracy and ease of use.
- Includes 3M™ Finesse-it™ Stikit™ Hard Pad 3125H.



RPM	Vacuum	Motor HP
12,000	Non-Vacuum / Central	0.46

SIZE mm	WEIGHT	LENGTH mm	HEIGHT mm	PART NO.
150 (9.5mm orbit)	1.32 kg	328	113	28337

## 3M™ Mini Random Orbital Sander

- The compact Mini Random Orbital Sander is a light weight nib removal tool for easier control and reduced operator fatigue.
- It has a 3M™ Roloc™ fixing to accept the full range of Finesse-it™ Roloc™ sanding backup pads.
- Includes 3M™ Roloc™ 02345 w/Stikit Face.

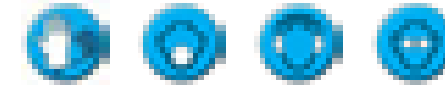


SIZE mm	WEIGHT	RPM	MOTOR HP	PART NO.
32 (5mm orbit)	0.45 kg	8,000	0.27	63374

## 3M™ Air-Powered Orbital Sanders

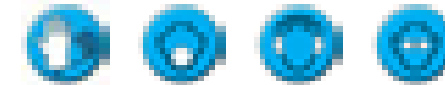
Designed to maximise finishing performance on flat surfaces. Ideal for sanding edges, sides and in corners.

- Impressive power to weight ratio.
- Ergonomically designed grip for improved handling and ease of use .
- Perfectly balanced to help reduce vibration, for smooth running and operator comfort.



## 3M™ Self-Generated Vacuum Orbital Sander

RPM	Vacuum	Motor HP
10,000	Self Generated	0.24

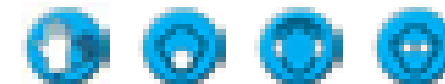


SIZE mm	WEIGHT	LENGTH mm	HEIGHT mm	PART NO.
75 x 100	0.72 kg	142.3	83.5	20431

- Supplied with a self-contained dust collection system to effectively trap and contain airborne particles.
- Can also be attached to a central vacuum system.

## 3M™ Central Vacuum Orbital Sander

RPM	Vacuum	Motor HP
10,000	Central	0.24

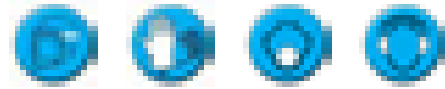


SIZE mm	WEIGHT	LENGTH mm	HEIGHT mm	PART NO.
75 x 100	0.69 kg	139.3	83.5	20430

- Supplied ready with swivel hose adaptor to attach to any central vacuum system for efficient extraction of dust and debris.

## 3M™ Air-Powered Nib Removal Sander

- A very compact and lightweight orbital sander. The right-angle design means that it is easy to see the area being sanded for improved accuracy and ease of use.
- Includes 3M™ Finesse-it™ Stikit™ Hard Pad 3125H.



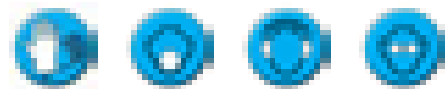
HEIGHT mm	SIZE mm	WEIGHT	LENGTH mm	PART NO.
99.6	32 (3mm orbit)	0.45 kg	233	3125



RPM	Motor HP
7,500	0.067

## 3M™ Air-Powered Buffer

- The right angle shape of this 3M™ Buffer allows operators to reach difficult areas whilst its large orbital action allows for faster polishing.
- The tool is ergonomically designed for reduced vibration and comfort in use.



HEIGHT mm	SIZE mm	WEIGHT	LENGTH mm	PART NO.
99.6	75 (12mm orbit)	0.82 kg	233	28333

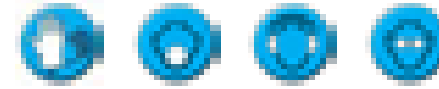


RPM	Motor HP
8,000	0.26

## 3M™ Electric Polisher

The 3M™ Electric Polisher is engineered to work hand-in hand with the 3M™ Compound, Pads and Accessories you already trust.

- A powerful 1100 watt motor for better handling and shorter processing times.
- Spindle locking button for quick easy pad change and greater operator efficiency.
- Designed to rest on its back to keep the pad contamination free.
- Variable speed for greater versatility.



CURRENT	SIZE mm	VOLTAGE	WEIGHT	PART NO.
10.6A	200	110V	1.9 kg	64394
5.3A	200	240V	1.9 kg	64393



RPM	Power (Watt)
700 – 1,850	1,100

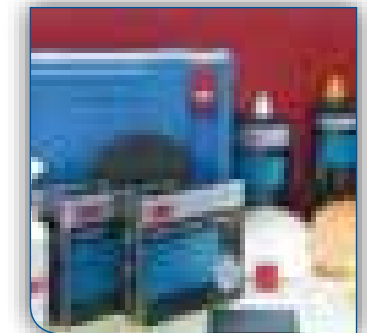
- A portable system for the removal of small scratches and imperfections on paint, perspex and solid surface to achieve perfect finishes.
- Coordinated components of the system guarantee efficiency and process stability.

The kit contains:

- Microfinishing and 3M™ Trizact™ discs
- Polishing pads and compounds
- Sanding accessories

PART NO.
481843

## 3M™ Finesse-it™ Kit



## 3M™ Hookit™ Low Profile Back-Up Pad

Patent pending system for collecting dust when using SGV sanders. Eliminates the need for cumbersome vacuum hoses.

UNITS PER CASE	SIZE mm	PATTERN	MAX RPM	UNITS PER PACK	PART NO.
10	75	3 Holes	12,000	10	20350
10	125	44 Holes	12,000	10	20353
10	150	50 Holes	12,000	10	20465



## 3M™ Self Generating Vacuum Bag

Patent pending system for collecting dust when using SGV sanders. Eliminates the need for cumbersome vacuum hoses.

UNITS PER CASE	ITEM	DIMENSIONS mm	UNITS PER PACK	PART NO.
50	Self Generating Vacuum Bag	280 x 125	10	20452
10	Self Generating Vacuum Bag Adaptor	25mm Ext Hose Thread x 25mm ID	10	20453



## 3M™ Air Tool Lubricant

Used to keep pneumatic air tools running efficiently. Use 2-3 drops at the end of each day, or as needed, to maintain tool performance.

UNITS PER CASE	ITEM	DIMENSION mm	UNITS PER PACK	PART NO.
12	Air Tool Lubricant	4 oz bottle	12	20451



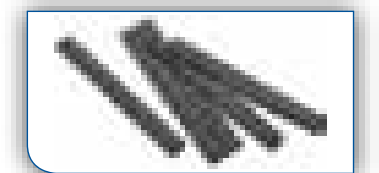
## File Belt Sander Arm Attachments

A variety of attachment arms are available to suit a diverse range of applications.



BELT SIZE mm	ITEM	DESCRIPTION	MOQ	REACH mm	PART NO.
13 x 457	Standard Arm	For use on contact wheel or platen	1	150	28368
13 x 457	Thin Arm	For access to narrower areas/channels	1	150	28369
13 x 457	Comers 1 Arm	Sand channel and grooves with contact wheel and strapping on slack of belt	1	140	28370
19 x 457	Thick Standard	Thicker than standard arm for use with wider belts on contact wheel or platen	1	150	28371
3 x 457	Narrow Channel Arm	Sand channel and grooves with narrow belt on contact wheel or strapping on slack of belt	1	140	28372
19 x 520	520mm Arm	For use with wider belts on contact wheel or platen where extra reach is needed	1	175	28373
13 x 457	Curved	For blending flat areas on platen	1	150	28374
6 x 610	Vessel	Sand channel and fillet areas on contact wheel or strapping on slack of belt	1	190	28375
610	File Belt Sander Extension	Used to extend arms to 610mm length. Can be used with same attachment arms used for 457mm length arms.	-	225	28376

## File Belt Sander Platen Pad Material



BELT SIZE MM	ITEM	GRADE	MOQ	PART NO.
13	File Belt Sander Platen Pad Material	Soft	10	28377
19	File Belt Sander Platen Pad Material	Soft	10	28378
13	File Belt Sander Platen Pad Material	Hard	10	28379
19	File Belt Sander Platen Pad Material	Hard	10	28380
13	File Belt Sander Platen Pad Material	Thin	10	28381
19	File Belt Sander Platen Pad Material	Thin	10	28382

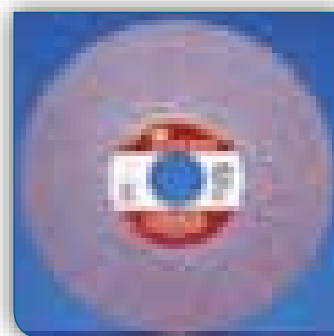
## Sealey EXL Deburring Machine Deal

- Heavy duty machine designed for intermittent use, 240 volt, 0.5 HP and 2850 rpm.
- Ready to use out of the box with pre-mounted consumables.
- Scotch-Brite wheels attached:
  - 1 x DB-WL 152 x 25.4mm 7SFN (light deburring & fine finishing)
  - 1 x DB-WL 152 x 25.4mm 9SFN (heavier burrs)

### Benefits

- Scotch-Brite EXL Deburring Wheels produce a true radiused edge without affecting the dimensions of the part which means less re-work, giving a better quality finish first time.
- Gives consistent results throughout its long life especially useful on large volume production parts.

PRODUCT	SIZE (mm)	DENSITY/GRADE	DESCRIPTION	SEE PAGE
Scotch-Brite EXL Deburring Wheel DB-WL	152 x 25.4	7SFN	Ideal for light burrs, the 7S Fine wheel is conformable and will give when pressure is applied	71
		9SFN	For larger burrs, the 9S Fine wheel is harder and gives a slightly coarser finish than the 7S Fine	



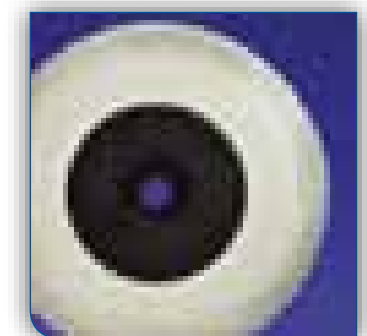
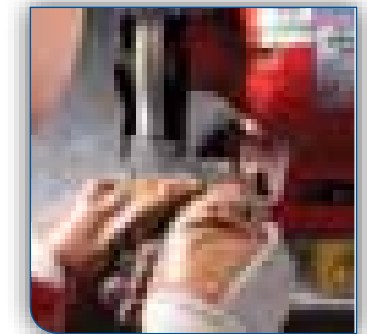
## Sealey Bristle Bench Motor Machine Deal

- Heavy duty machine designed for intermittent use, 240 volt, 0.5 HP and 2850 rpm.
- Ready to use out of the box with pre-mounted consumables.
- Scotch-Brite wheels attached:
  - 1 x BB-ZB Radial Bristle Brush Type C P120
  - 1 x X3-WL Deburring Wheel 150 x 25.4mm 9SFN

### Benefits

- Suitable for light deburring applications where greater conformability is required
- Compared to wire brushes the radial bristle construction has no flying wires and provides greater cleaning power.
- The EX3 wheel has a tougher and more durable construction to handle larger burrs, without undercutting the work piece.

PRODUCT	SIZE (mm)	DENSITY/GRADE	DESCRIPTION	SEE PAGE
Scotch-Brite Radial Bristle Brush	150	P120 Type C	Ideal for cleaning, finishing and light deburring in metal fabrication applications. Extremely comfortable, ideal for irregular surfaces	62
Scotch-Brite EX3 Deburring Wheel X3-WL	150 x 12 x 25.4	9SFN	The latest deburring wheel from 3M, offering considerably longer life and improved performance over the standard. An excellent product for customers who are accurately measuring the value of the products used	70





# Index & Appendices

DISCS

ROLOC

BRISTLE

WHEELS

BELTS

HAND  
SANDING

SHEETS

ROLLS

TOOLS

INDEX

<b>Grade Comparison Chart</b>	<b>150</b>
<b>3M™ Roloc™ Quick Release System</b>	<b>151</b>
<b>3M™ Stikit™ and 3M™ Hookit™ Fixing System</b>	<b>152</b>
<b>3M™ Cubitron™ Coated Belts Product Application Chart</b>	<b>153</b>
<b>3M Coated Abrasives General Safety Information</b>	<b>154</b>
<b>Scotch-Brite™ Cleaning and Finishing Products Operating Hints</b>	<b>156</b>
<b>Scotch-Brite Cleaning and Finishing Products Glossary</b>	<b>157</b>
<b>Safety Recommendations</b>	<b>158</b>
<b>Product Finder</b>	<b>160</b>
<b>Part Number Index</b>	<b>162</b>
<b>Conditions of Sale of Goods and Services</b>	<b>181</b>

INDEX

# Grade Comparison Chart

# 3M™ Roloc™ Quick Release System

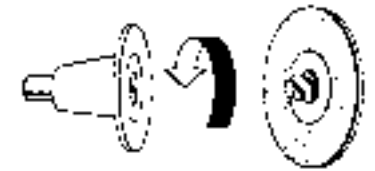
Europe FEPA	3M Cubitron™ II Abrasives		3M Trizact™ Abrasives	Micron Grade	Flexible Diamond Grade*	USA ANSI	Scotch-Brite™		
							Handpads / Rolls	Wheels / Brushes	Belts / Discs
P9000				3					
P3800				6					
P3000			A6	7		1200	Extra Fine	Ultra Fine	
P2500				9		1000		Super Fine	
P2000					N10 (Blue)	800	Ultra Fine	Very Fine	Super Fine
P1500									
P1200			A16	15		600	Super Fine		
P1000			A20	20		500		Fine	
P800					N20	400	Very Fine		Very Fine
P600			A30			360			
P500			A40	30			Fine		
P400			A45			320			
P360				40	N40	280	Medium	Medium	
P320			A60						
P280			A65			240		Coarse	
P240			A80	60			Coarse		Medium
P220			A90			220		X Coarse	
P200			A100		N74				
P180			A110			180			Coarse
P150			A130	100		150			
P120			A160		N125	120			Heavy Duty
P100				180					SE ACRS
P80			A300			100			Super Duty
P60		80+	A400		N250	80			
P50						60			
P40		60+				50			
P36			A500			36			
P30	36+								
P24						30			
P16									

The easy-to-use 3M Roloc Quick Release System enables operators to select the 3M product most suited to the application, and change product or grade quickly with a simple twist-off, twist-on motion.

## 3M Roloc and Roloc+ Quick Release System

### 3M Roloc Quick Release System

- 3M Roloc Discs are designed for use on the face of the disc
- Available in a range of products for grinding, finishing, deburring and cleaning applications
- The 3M Roloc Back-Up Pad assures secure fixing with rapid grade or product change
- Can be used with 3M Roloc Rubber Back-Up Pads or 3M Roloc Plastic Holders No. 1, 2, 3 or 4
- Colour coded fixings for easy grade recognition (please see below for details)



### 3M Roloc+ Quick Release System

- 3M Roloc+ Discs/Brushes are designed for use on the edge and have a longer shaft for extra strength
- Available in a range of products for finishing, deburring and cleaning applications
- The 3M Roloc Plastic Holder assures secure fixing with rapid grade or product change
- To be used with all 3M Roloc+ Plastic Holders (excluding Roloc Rubber Back-Up Pads)



PRODUCT	3M ROLOC AND ROLOC+ PLASTIC HOLDERS							
	NO 1	NO 2	NO 3	NO 4	NO 5 ^	NO 6 ^^	No 7	No 8
25mm discs	X							
38mm discs		X						
50mm discs			X					
75mm discs				X				
All brush products	X							
3mm wide wheels					X	X		
6mm wide wheels							X	
12.5mm wide wheels								X

^Use with 25 and 38mm diameter wheels ^^Use with 50 and 75mm diameter wheels

PRODUCT	3M ROLOC RUBBER BACK-UP PADS	
	ANGLE GRINDER MACHINE*	ALL OTHER MACHINES**
25mm discs	X	
38mm discs		X
50mm discs		
75mm discs		
Roloc Bristle Discs	X	

\*M14/M10 threads \*\* 6mm thread (use with 6mm threaded shaft where required for collets)


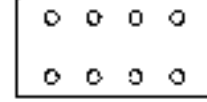

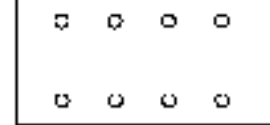

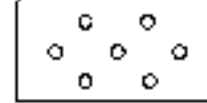


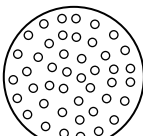
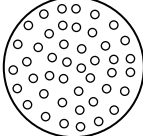

## 3M Roloc Abrasive Disc Grade and Button Colour Chart

Grade	Button	Grade	Button	Grade	Button	Grade	Button
P24	Black	P50	Green	P100	Blue	P180	Brown
P36	Brown	P60	Orange	P120	White	P240	Green
P40	Red	P80	Yellow	P150	Black		

# 3M™ Stikit™ Self Adhesive Fixing System and 3M™ Hookit™ Hook and Loop Fixing System

# 3M™ Cubitron™ Coated Abrasive Belts Product Application Chart

## Standard Hole Configuration for Dust Extraction Machines

	5 Hole 125mm Disc 500A		8 Hole 81mm x 153mm Sheet on a roll 404A
	6 Hole 150mm Disc 600A		8 Hole 92mm x 200mm Sheet on a roll 404B
	8 Hole 150mm Disc 800A		7 Hole 92mm x 185mm Sheet on a roll 232A
	8 Hole 150mm Disc 800D		10 Hole 115mm x 250mm/240mm Sheet on a roll 505A
	10 Hole 115mm x 250mm/240mm Sheet on a roll 505B		
	44 Hole 125mm Disc		
	50 Hole 150mm Disc		

## 3M™ Cubitron™ Coated Abrasive Belts Product Application Chart

Machine Type	Material		Machine Type		Machine Type		Machine Type		Machine Type	
	Robotic	Portable File Belt Machines	Power Grinding (High Pressure)	Toolpost Linisher Dry	Stroke Sander	Platen Sander	Backstand Pressures Medium	Backstand Pressures Light	Centreless & Flat Finisher Dry	Centreless & Flat Finisher Wet
Mild Steel		777F 964F		964F	747D	964F	964F	964F	977F	977F
Tool Steels & SG Iron	964F	777F 964F	967F 984F	964F		964F	967F 977F 984F	964F	977F	977F
Stainless & Cobalt	907E 967F 984F	777F 947D 977F	967F 977F 984F	977F	747D 907E 947D	707E 777F 907E 947D	947D 967F 977F 984F	907E 947D 777F	977F	977F
Aluminium		777F 964F	974F	964F			964F 974F	964F	964F	
Nickel Alloys	967F 984F	777F 947F 977F	967F 977F 984F	977F		777F 907E	947D 967F 977F 984F	947D 907E	977F	977F
Titanium	967F	977F	967F				967F	967F		977F

3M CODE	3M 707E	3M 747D	3M 777F	3M 907E	3M 947D	3M 964F	3M 967F	3M 974F	3M977F
Backing Type	Flexible JE wt.	Semi-Flexible X wt.	Stiff YF wt.	Flexible JE wt.	Semi-Flexible X wt.	Stiff YF wt.	Stiff YF wt.	Stiff YF wt.	Stiff YF wt.
Grinding Aid	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes
Use: Dry/Wet	Dry	Dry	Dry/Wet	Dry	Dry	Dry/Wet	Dry	Dry	Dry/Wet
Pressure	Medium	Medium	Medium	Medium	Medium	Medium	High	High	High
Grit Range	P240	✓							
	P220	✓							
	P180	✓		✓					
	P150	✓	✓	✓	✓				
	P120	✓	✓	✓	✓	✓			✓
	P100	✓	✓	✓	✓	✓			✓
	P80	✓	✓	✓	✓	✓	✓	✓	✓
	P60		✓	✓	✓	✓	✓	✓	✓
	P50		✓	✓			✓	✓	✓
	P40			✓			✓	✓	✓
P36			✓			✓	✓	✓	
P25						✓	✓		

## 3M™ Coated Abrasives General Safety Information

### Transport and Storage

All coated abrasives should be handled carefully.

Mechanical damage can be caused by mishandling, which should be avoided.

Coated abrasives should be stored in dry, frost free conditions. They should be kept away from heat sources, cold, damp walls, doors or windows and should not be in direct contact with the floor. Temperatures and humidity should be between 18°C and 22°C and 45%-65% Relative Humidity.

Coated abrasives should not be exposed to direct sunlight.

Products should be kept in their original packaging until immediately before use. Once unpacked, they should be stored in a way which avoids distortion.

### Personal Protection

Safety goggles, ear muffs, safety gloves, dust masks and if grinding conditions are severe, additional face protection, leather aprons and safety shoes must be worn.

### General Precautions

Safety instructions must be followed. Where fitted, all guards, covers and hoods must be in place on the machine during grinding, and should not be modified in any way.

Coated abrasives should not be used near inflammable material or in an environment where there is a risk of explosion.

Sparks should be directed away from the face and body and if possible towards the floor.

Dust extraction equipment must be used whenever it is available.

The instructions for use must be followed e.g. 'Not to be used without a support', or 'Not to be used for wet grinding'.

The workpiece must be firmly fixed before grinding starts. Check all abrasives visually before use and make certain that the product is suitable for the application. No modifications should be made to the abrasive products after delivery.

When using a portable grinder always switch it off and allow the spindle to stop completely before putting the tool down.

Wet grinding should only be carried out on machines designed for this purpose and with abrasives designated as suitable for this type of operation.

### Fibre Discs

**Preparation before use** - Fibre discs must be used with a back-up pad of the correct size. Do not use other fibre discs as a back-up pad. The diameter of the disc must be at least 3mm but not more than 15mm greater than the diameter of the back-up pad.

Do not use a fibre disc which is damaged in any way. Always check visually for damage before use. Make certain that both the disc and the back-up pad are fitted correctly to the machine spindle.

**3M™ Green Corps™ Flexible Grinding Discs** - When using this product it is imperative that you use the Green Corps™ Back-Up Pad, do not use any other back-up pad.

### Belts

**Preparation before use** - Check belts before use for tears and holes. This is particularly important for belts which have been partly used or left on a machine for any length of time, e.g. overnight. On removal from their packaging, belts should be preconditioned by hanging them over a rod or peg of not less than 50mm diameter at the temperature and humidity levels given. They must not be hung from a nail as this may cause cracking and failure.

Lap jointed belts should be run in the direction indicated by the arrow.

Do not use belts which have been modified in any way after delivery.

Keep contact wheels, platens, idler pulleys etc in good condition. Never run belts on damaged or faulty support devices.

Wet grinding operations should only be carried out with belts specifically designed for this purpose.

Belts wider than 50mm should only be mounted on machines guarded in such a way that only the working area of the belt is visible.

Always release the belt tensioning device when installing the belt. Never leave belts under tension on a stationary machine.

**Grinding** - Start grinding only when the belt is correctly tensioned and the machine is up to speed.

Avoid grinding with the edge of the belt wherever possible on off hand applications. Use the centre of the belt if possible.

Slack of the belt grinding must only be carried out on machines designed for this purpose and which incorporate adequate guarding.

Ensure that the belt is adequately guarded when starting up, adjusting and running.

No attempt should be made to stop the belt when it is in contact with the work piece.

When finishing a wet grinding operation turn off the supply of coolant. Allow the belt to continue to run until it runs dry.

No attempt should be made to remove a belt from a machine when it is running

### Sheets for Orbital and Dual Action Sanders

**Preparation before use** - Discs and sheets should be used only on machines with a suitable support pad. Damaged or misshapen discs and support pads should not be used. Discs and pads must not be modified in any way.

Take care to fix the disc securely and centrally to the back-up pad.

The diameter of the disc must not be 4mm or greater than the diameter of the back-up pad, that is to say an overhang not greater than 2mm.

When using Stikit or Hookit discs or

sheets ensure that the face of the back-up pad and the back of the discs are clean and dry.

**Grinding** - Only start to grind when the machine is up to speed, except on pneumatic random orbital machines which must be started with light pressure on the disc. The machine should be operated with the disc making the smallest possible angle to the workpiece.

Use only light pressure at first when grinding with Stikit or Hookit discs or sheets. Do not allow overheating of the disc or sheet to occur.

Grind off an edge rather than into it when grinding rough welds or edges.

Do not attempt to use discs for slot grinding or cutting off.

Only carry out wet grinding operations with discs or sheets specifically designated for this purpose.

After use the machine should be stored carefully. The face of the abrasive should not be in contact with the floor or work bench.



# Scotch-Brite™ Cleaning and Finishing Products

## Operating Hints

### Getting the most out of Scotch-Brite Wheels

Maximum wheel life and best surface conditioning results can be achieved by closely adhering to the following recommendations.

### Wheel Direction

Convolute wheels must always be run in the direction indicated by the arrow printed on the side/core of each wheel. Flap wheels, lap mops and unitised wheels can be run in either direction.

### Wheel Speed

Wheel speed is an important factor that affects product finish, rate of cut and wheel life. In fact, over-speeding a wheel may result in its disintegration and the possibility of personal injury.

In general, fast wheel speeds give a harder action and finer finish, whereas slower speed gives a softer action and coarser finish for the same wheel density.

The following are recommended operating speeds for the most common applications:

**Cleaning and upgrading of surface conditions:**  
11 to 30m/sec

**Buffing metal surfaces:**  
33 to 40m/sec

**Deburring:**  
28 to 40m/sec

**Imparting decorative finishes:**  
5 to 15m/sec

**Oxide removal:**  
18 to 33m/sec

Testing may show that a slower or faster speed is desirable for specific operations.

Never exceed the maximum r.p.m. rating of the wheel.

To establish the peripheral operating speed of a wheel multiply the machine rotational speed by pi diameter and divide by 60.

$$\text{r.p.m.} \times 3.142D \text{ (in metres)}$$

$$\text{Peripheral Operating Speed}$$

=

$$\text{r.p.m.} \times 3.142D \text{ (in metres)}$$

60

e.g. For a 200mm convolute cleaning/finishing wheel fitted to a spindle operating at 2,000 r.p.m.

$$\text{Peripheral Operating Speed}$$

=

$$2000 \times (3.142 \times 0.2)$$

60

$$2000 \times 0.62$$

60

=

$$20.95 \text{ m/sec}$$

### Pressure

Light to medium pressure is recommended for most operations. Flap wheels require much lighter pressure to perform properly than other Scotch-Brite wheels, whereas unitised wheels can withstand higher pressure in order to perform deburring jobs. In all cases, avoid excessive pressure which may result in wheel deformation and damage to the work surface.

### Fast Speed

Feed speeds directly affect the number of pieces completed over a given period of time. Slow feed speed reduces the number of workpieces completed, while producing a shorter scratch pattern. Slow feed speeds allow for a longer dwell time and permit more work to be done on each piece. Conversely, a fast feed speed increases the number of workpieces completed, while producing a longer scratch pattern.

### Oscillation

Oscillation may be used to break-up scratch lines and produce a more uniform finish. Additionally, an increase in cut may be experienced. A general starting point for oscillation is 10mm amplitude at 200 cycles per minute.

### Lubricants

Lubricants, such as water, water soluble oil, and straight oil, will decrease the heat generated while running, improving both the lustre and surface finish.

### Web Type

#### (Defines aggression)

BB	Bristle Brush
BD	Bristle Disc
C5	Cut and Polish - 5 discs on a shaft
CB	Combi Wheel
CF	Cleaning and Finishing
CG	Clean and Strip General Purpose
CP	Cutting and Polishing
CR	Coating Removal
CS	Clean and Strip
DB	Deburring
DL	DLO Wheel
FS	Finishing
GP	General Purpose
H1	High Performance Clean and Strip - 1 disc on a shaft
H2	High Performance Clean and Strip - 2 discs on a shaft
HS	High Strength
LD	Light Deburring
MF	Metal Finishing
MS	Polishing (Type 1)
RD	Bristle Disc with Roloc
SC	Surface Conditioning
SE	Surface Conditioning with Extra Coarse
TP	Tack Pad
X3	High Performance Deburring
XL	EXL
XT	Clean and Strip Extra

### Conversion

#### (Defines type of machine)

BF	Belt, film backed
BL	Belt, low stretch
BS	Belt, scrim backed
CB	Cleaning Brush
DB	Disc, fibre backing
DC	Disc (used on edge)
DH	Disc, hook and loop backing
DR	Disc, Roloc™ attachment system
FB	Flap Brush
HP	Handpad
MB	Mini Brush
RD	Disc, rigid fibre glass backing
RL	Roll
SH	Sheet
SR	Perforated Sheet
UC	Cup Wheel
UW	Unitised Wheel with Roloc+
WL	Wheel
ZB	Bristle product
ZR	Roloc+

# Scotch-Brite™ Cleaning and Finishing Products Glossary

## Safety Recommendations

Reproduced from FEPA Safety Recommendations for the Use of Abrasive Products (Issue 1 January 2005) © FEPA - Federation of European Producers of Abrasives.

### General Principles of Safety

Abrasive products improperly used can be very dangerous.

- Always follow the instructions provided by the abrasive product and machine suppliers.
- Ensure that the abrasive product is suitable for its intended use. Examine all abrasive products for damage or defects before mounting.
- Follow the correct procedures for handling and storage of abrasive products.

Be aware of the hazards likely during the use of abrasive products and observe the recommended precautions to be taken:

- Bodily contact with the abrasive product at operating speed.
- Injury resulting from product breakage during use.
- Grinding debris, sparks, fumes, and dust generated by the grinding process.
- Noise.
- Vibration.

Use only abrasive products conforming to the highest standards of safety. These products will bear the relevant EN standard number and/or the inscription “oSa”.

- EN12413 for Bonded Abrasives
- EN13236 for Superabrasives

- EN13743 for Specific Coated Abrasives (vulcanised fibre discs, flap wheels, flap discs and spindle-mounted flap wheels).

Never use a machine that is not in good working order or one with defective parts

Employers should carry out risk assessment on all individual abrasive processes to determine the appropriate protective measures necessary. They should ensure that their employees are suitably trained to carry out their duties.

### Precautions Against Likely Hazards

Bodily contact with the abrasive product:

- Always take great care and attention when using abrasive products. Tie back long hair and do not wear loose clothing, ties and jewellery.
- Prevent accidental start-up of the machine before mounting or changing an abrasive product. Isolate machines from their power source where necessary.
- Never remove guards from machines where fitted and ensure they are in good condition and properly adjusted before starting the machine.
- Always use gloves and suitable clothing where the workpiece or machine is hand-held. For gloves, a minimum protection level of EN 388 Category 2 is recommended.

- After switching off the machine, ensure the product has come to rest before leaving the machine unattended.

Injury caused by product breakage:

- Always handle abrasives with great care, they are easily damaged. Examine all products for defects or damage before use.
- Store abrasives in dry, frost-free conditions avoiding wide variations in temperature. Ensure they are properly protected and supported to prevent damage and distortion.
- Coated abrasives should be stored at 18-22°C, 45-65% relative humidity.
- Abrasive belts should be hung on a rod or peg not less than 50mm diameter.
- Never use an abrasive product beyond its expiry date where marked. Observe the recommended shelf life for the following specific products: Resinoid and Shellac products 3 years; rubber products 5 years; vitrified products 10 years.
- Check abrasive product or package for any warnings or other safety information.
- Ensure that the correct abrasive product is selected. Never use a product if it cannot be properly identified.
- Follow the instructions provided by the abrasive product or machine supplier when mounting abrasive products. Observe any mounting indications marked on the product, such as direction of run or mounting position.

- Never force the abrasive product onto the mounting fixture or modify it to fit.
- Never exceed the maximum operating speed where specified.
- Check that the correct mounting devices are used and that they are undistorted, clean and free from burrs.
- Use mounting blotters where supplied.
- Do not tighten the mounting device excessively.
- After mounting or remounting an abrasive product, conduct a trial run at operating speed with the guard in place for at least 30 seconds, standing clear of the machine before use.
- Never remove guards from machines where fitted and ensure they are in good condition and properly adjusted.
- Ensure that the workpiece is secure and properly supported. Ensure that work rests are properly adjusted and secure.
- Never start the machine with the workpiece in contact with the abrasive product.
- Never apply excess force or shock to the abrasive product or let it overheat.
- Do not grind on the part of the product that is not designed for the operation. Avoid grinding with the edge of abrasive belts; use the centre of the belt if possible.
- Avoid clogging and uneven wear to ensure that the abrasive product is working efficiently. Dress frequently where appropriate.

- Let the abrasive product stop naturally, not by applying pressure to its surface.
- Turn off and spin out excess coolant before stopping the machine.
- Do not leave abrasive belts under tension when not in use.

### Grinding debris – sparks, dust and fumes:

- Exposure to grinding debris can cause lung damage and other physical injuries.
- All dry grinding processes should be provided with adequate extraction facilities.
- Do not use abrasive products near flammable materials.
- The use of respirators complying with EN 149 is recommended for dry grinding processes even if extraction systems are provided.
- Guards, where provided, should be adjusted to deflect sparks and debris away from the operator. Take additional measures to protect people working nearby.
- Eye protection is recommended for all machine applications for abrasives. For hand-held machines or workpieces, goggles or full-face shields with a minimum protection level of EN 166 Grade B are recommended.
- Ensure that the correct abrasive product is selected. An unsuitable product can produce excessive debris and dust.

## Safety Recommendations



# Product Finder

PRODUCT	CONVERSION	PAGE
3M 110N	Sheet	119
3M 237AA	Belt	96
3M 241UZ Red	Roll	122
3M 245	Hookit & Stikit Disc	28
3M 245	Hookit Sheet	112
3M 255P	Hookit Disc	27
3M 255P	Paper & Hookit Sheet	113, 116
3M 255P	Roll	123
3M 266L	Disc	31
3M 268L	Disc	32
3M 268XA	Disc	34
3M 286Q	Disc	33
3M 302D	Belt	93
3M 314D	Roll	124
3M 314D	Sheet	115
3M 337DC	Belt	96
3M 338U	Hookit & Stikit Disc	29, 30
3M 338U	Hookit Sheet	114
3M 339	Flap Wheel	79
3M 341D	Belt	93
3M 361F	Roloc Disc	41
3M 450 CB-ZS	Combi Wheel	83
3M 463FC	Belt	94
3M 486Q	Disc	33
3M 556D	Flap Disc	19
3M 568XA	Disc	34
3M 577F Green	Belt	92
3M 581C	Fibre Disc	18
3M 618	Roll	125
3M 618	Sheet	118
3M 6200J	Hand Lap	106
3M 622	Sheet	118
3M 6223J	Whetstone	107
3M 747D	Cartridge Roll	80
3M 777F	Belt	92
3M 777F	Roloc Disc	40
3M 785C	Roloc Disc	39
3M 947D	Belt	91
3M 967F	Belt	90
3M 977F	Belt	91
3M 977F DE	Roloc Disc	38
3M 982C	Fibre Disc	15
3M 984F	Belt	90

PRODUCT	CONVERSION	PAGE
3M 985C	Fibre Disc	17
3M 987C	Fibre Disc	16
3M Air Tool	Buffer	142
3M Air Tool	Cut off Wheel Tool	134
3M Air Tool	Die Grinder	133
3M Air Tool	Disc Sander	132
3M Air Tool	File Belt Sander	135
3M Air Tool	Inline Sander	136
3M Air Tool	Mini Random Orbital Sander	140
3M Air Tool	Nib Removal Sander	143
3M Air Tool	Orbital Sander	141
3M Air Tool	Random Orbital Sander	138
3M Air Tool	Two Hand Random Orbital Sander	140
3M Electric Tool	Dust Extraction Unit	137
3M Electric Tool	Polisher	143
3M Electric Tool	Random Orbital Sander	139
3M Finesse-It Kit	Kit	143
3M Green Corps	Cut off Wheel	68
3M Green Corps	Flexible Grinding Disc	14
3M Hi-Flex Sponge	Sponge	104
3M Inox	Cut off Wheel	69
3M Professional Panel Wipe	Wipe	108
3M Purple Clean Sanding	Hookit Disc	26
3M Softback Sponge	Sponge	105
3M Stainless Steel Cleaner	Can	109, 128
3M Standard Sponge	Sponge	103
3M Wetordry 734	Sheet	117
Scotch-Brite FF-ZS, PF-ZS	Shaft Mounted Flap Brush	84
3M 2011 High Performance Cloth	Cloth	108
Scotch-Brite 7440	Handpad	100
Scotch-Brite 7441	Handpad	100
Scotch-Brite 7446	Handpad	100
Scotch-Brite 7447	Handpad	100
Scotch-Brite 7448	Handpad	100
Scotch-Brite 7486	Handpad	100
Scotch-Brite 7496	Handpad	100
Scotch-Brite Bristle BB-ZB	Bristle Brush	62
Scotch-Brite Bristle BB-ZS	Shaft Mounted Brush	61
Scotch-Brite Bristle BD-ZB	Bristle Disc	63
Scotch-Brite Bristle RB-ZB	Bristle Brush	60
Scotch-Brite Bristle RD-ZB	Roloc Disc	45
Scotch-Brite CB-ZR	Roloc + Flap Brush	50
Scotch-Brite CF-SR	Handpad Pre-Cut	101

PRODUCT	CONVERSION	PAGE
Scotch-Brite Clean & Finish CF-FB	Flap Brush	82
Scotch-Brite Clean & Finish CF-RL	Roll	128
Scotch-Brite Clean & Finish FF-ZR	Roloc+ Flap Brush	52
Scotch-Brite Clean & Strip Blue	Disc	24
Scotch-Brite Clean & Strip Blue	Roloc+ Disc	49
Scotch-Brite Clean & Strip CS-UW	Wheel	76
Scotch-Brite Clean & Strip H1-UR	Roloc+ Wheel	47
Scotch-Brite Clean & Strip H1-ZR	Roloc+ Disc	46
Scotch-Brite Clean & Strip H2-ZR	Roloc+ Disc	46
Scotch-Brite Clean & Strip Purple	Disc	23
Scotch-Brite Clean & Strip Purple	Roloc+ Disc	48
Scotch-Brite CR-DR	Roloc Disc	44
Scotch-Brite CS-MB, CP-MB, CF-MB	Mini Flap Brush	85
Scotch-Brite Cut & Polish CP-FB	Flap Brush	81
Scotch-Brite Cut & Polish CP-RL	Roll	126
Scotch-Brite Cut & Polish CP-UR	Roloc+ Wheel	54
Scotch-Brite Cut & Polish CP-UW	Wheel	77
Scotch-Brite Cut & Polish PF-ZR	Roloc + Flap Brush	51
Scotch-Brite DF-BL	Belt	95
Scotch-Brite EX3 X3-WL	Wheel	70
Scotch-Brite EXL DB-WL	Wheel	71
Scotch-Brite EXL XL-DR	Roloc Disc	43
Scotch-Brite EXL XL-UD	Disc	25
Scotch-Brite EXL XL-UR	Roloc+ Wheel	55
Scotch-Brite EXL XL-UW	Mini Bob	75
Scotch-Brite EXL XL-UW	Wheel	74
Scotch-Brite Finishing FS-WL	Wheel	72
Scotch-Brite General Purpose GP-RL	Roll	127
Scotch-Brite Lap Mops	Mop	22
Scotch-Brite MS-ZR	Roloc+ Flap Brush	53
Scotch-Brite MX-SR	Handpad	102
Scotch-Brite SC-BS	Belt	95
Scotch-Brite SC-DB	Disc	21
Scotch-Brite SC-DH	Disc	20
Scotch-Brite SC-DR	Roloc Disc	42
Scotch-Brite Tack Pad	Pad	109
Scotch-Brite XR-WM	DLO Wheel	73

# Product Finder

# Part Number Index

# Part Number Index

PART NO	DESCRIPTION	PAGE
00044	3M Fre-Cut Hookit Disc 266L 150mm Plain 100µ	31
00045	3M Fre-Cut Hookit Disc 266L 150mm Plain 60µ	31
00047	3M Fre-Cut Hookit Disc 266L 150mm Plain 40µ	31
00048	3M Fre-Cut Hookit Disc 266L 150mm Plain 30µ	31
00050	3M Fre-Cut Hookit Disc 266L 150mm Plain 15µ	31
00064	3M Fre-Cut Hookit Disc 266L 125mm Plain 15µ	31
00066	3M Fre-Cut Hookit Disc 266L 125mm Plain 30µ	31
00067	3M Fre-Cut Hookit Disc 266L 125mm Plain 40µ	31
00069	3M Fre-Cut Hookit Disc 266L 125mm Plain 60µ	31
00071	3M Fre-Cut Hookit Disc 266L 125mm Plain 100µ	31
00075	3M Fre-Cut Hookit Disc 266L 125mm 5 Hole 60µ	31
00076	3M Fre-Cut Hookit Disc 266L 125mm 5 Hole 15µ	31
00078	3M Fre-Cut Hookit Disc 266L 125mm 5 Hole 30µ	31
00079	3M Fre-Cut Hookit Disc 266L 125mm 5 Hole 40µ	31
00081	3M Fre-Cut Hookit Disc 266L 125mm 5 Hole 60µ	31
00083	3M Fre-Cut Hookit Disc 266L 125mm 5 Hole 100µ	31
00094	3M Fre-Cut Hookit Disc 266L 150mm Plain 9µ	31
00116	3M Microfinishing Film CWF Self-Adhesive (PSA) Spot Repair Disc 268L 76.2mm x 22.23mm 30µ	32
00120	3M Microfinishing Film CWF Self-Adhesive (PSA) Spot Repair Disc 268L 76.2mm x 22.23mm 15µ	32
00121	3M Microfinishing Film CWF Self-Adhesive (PSA) Spot Repair Disc 268L 76.2mm x 22.23mm 20µ	32
00122	3M Microfinishing Film CWF Self-Adhesive (PSA) Spot Repair Disc 268L 76.2mm x 22.23mm 40µ	32
00130	3M Fre-Cut Hookit Disc 266L 150mm 6 Hole 100µ	31
00131	3M Fre-Cut Hookit Disc 266L 150mm 6 Hole 60µ	31
00133	3M Fre-Cut Hookit Disc 266L 150mm 6 Hole 40µ	31
00134	3M Fre-Cut Hookit Disc 266L 150mm 6 Hole 30µ	31
00136	3M Fre-Cut Hookit Disc 266L 150mm 6 Hole 15µ	31
00138	3M Fre-Cut Hookit Disc 266L 150mm 6 Hole 9µ	31
00571	Scotch-Brite Surface Conditioning Disc (Fibre Backed) SC-DB 100mm x 16mm ACRS	21
00577	Scotch-Brite Mini Clean & Strip Flap Brush CS-MB 100mm x 100mm x 19mm ACRS	85
00578	Scotch-Brite Mini Cut & Polish Flap Brush CP-MB 100mm x 100mm x 19mm AMED	85
00579	Scotch-Brite Mini Clean & Finish Flap Brush CF-MB 100mm x 100mm x 19mm SMED	85
00580	Scotch-Brite Mini Clean & Finish Flap Brush CF-MB 100mm x 100mm x 19mm AFIN	85
00756	3M Stikit Disc 245 150mm Plain P120	28
00758	3M Stikit Disc 245 150mm Plain P80	28
00760	3M Stikit Disc 245 150mm 6 Hole P100	28
00761	3M Stikit Disc 245 150mm 6 Hole P80	28
00933	3M Mandrel 933M 50mm x 6mm x 25mm	87
00935	3M Mandrel 935M 75mm x 6.35	87, 126
00995	3M Stikit Disc 245 150mm Plain P60	28
00996	3M Stikit Disc 245 150mm Plain P40	28
00997	3M Stikit Disc 245 150mm 6 Hole P60	28
00998	3M Stikit Disc 245 150mm 6 Hole P40	28
01010	Scotch-Brite Clean & Strip Unitised Wheel CS-UW 100mm x 19mm x 12.7mm XCRS	76
01034	Scotch-Brite Clean & Strip Unitised Wheel CS-UW 150mm x 25mm x 25.4mm XCRS	76
01560	Scotch-Brite Cut & Polish Unitised Wheel CP-UW 25mm x 25mm x 4.8mm 5AFIN	77
01567	Scotch-Brite Cut & Polish Unitised Wheel CP-UW 75mm x 19mm x 6.35mm 5AFIN	77
01857	3M Paper Sheet 110N 230mm x 280mm P220	119
01858	3M Paper Sheet 110N 230mm x 280mm P180	119
01859	3M Paper Sheet 110N 230mm x 280mm P150	119
01860	3M Paper Sheet 110N 230mm x 280mm P120	119
01861	3M Paper Sheet 110N 230mm x 280mm P100	119
02565	3M Paper Sheet 618 230mm x 280mm P100	118
02600	3M Softback Sponge 115mm x 140mm x 5mm Microfine	105
02601	3M Softback Sponge 115mm x 140mm x 5mm Ultrafine	105

PART NO	DESCRIPTION	PAGE
3125	3M Air-Powered Nib Removal Sander 32mm	142
03547	3M Hookit Paper Sheet 255P 70mm x 127mm Plain P320	113
03549	3M Hookit Paper Sheet 255P 70mm x 127mm Plain P240	113
03551	3M Hookit Paper Sheet 255P 70mm x 127mm Plain P180	113
03552	3M Hookit Paper Sheet 255P 70mm x 127mm Plain P150	113
03553	3M Hookit Paper Sheet 255P 70mm x 127mm Plain P120	113
03760	Scotch-Brite Clean & Finish Roll CF-RL 100mm x 10m AVFN	128
03761	Scotch-Brite Clean & Finish Roll CF-RL 100mm x 10m AMED	128
03762	Scotch-Brite Clean & Finish Roll CF-RL 150mm x 10m AVFN	128
03763	Scotch-Brite Clean & Finish Roll CF-RL 150mm x 10m AFIN	128
03764	Scotch-Brite Clean & Finish Roll CF-RL 150mm x 10m AMED	128
03765	Scotch-Brite Clean & Finish Roll CF-RL 150mm x 10m Type T	128
03766	Scotch-Brite Clean & Finish Roll CF-RL 150mm x 10m SULFN	128
03767	Scotch-Brite Cut & Polish Roll CP-RL 25mm x 5m AMED	126
03768	Scotch-Brite General Purpose Roll GP-RL 125mm x 10m AFIN	127
03769	3M 450 Combi Wheel CB-ZS 75mm x 45mm x 6mm P180	83
03770	3M 450 Combi Wheel CB-ZS 75mm x 45mm x 6mm P120	83
03771	3M 450 Combi Wheel CB-ZS 75mm x 45mm x 6mm P80	83
03772	3M 450 Combi Wheel CB-ZS 75mm x 45mm x 6mm P60	83
03781	Scotch-Brite EXL Unitised Wheel XL-UW 51mm x 6mm x 6.35mm 2AMED	74
03786	Scotch-Brite EXL Unitised Wheel XL-UW 51mm x 6mm x 6.35mm 6AMED	74
03801	3M Standard Sponge 95mm x 66mm x 25mm Fine	103
03802	3M Standard Sponge 95mm x 66mm x 25mm Medium	103
03803	3M Standard Sponge 95mm x 66mm x 25mm Coarse	103
03804	3M Hi-Flex Sponge 95mm x 123mm x 12.5mm Fine	104
03808	3M Softback Sponge 115mm x 140mm x 5mm Medium	105
03809	3M Softback Sponge 115mm x 140mm x 5mm Fine	105
03810	3M Softback Sponge 115mm x 140mm x 5mm Superfine	105
04050	Scotch-Brite Handpad 7440 155mm x 225mm AMED	100
04051	Scotch-Brite Handpad 7446 155mm x 225mm SCRS	100
04237	3M Paper Roll Red 241UZ 115mm x 50m P180	122
04238	3M Paper Roll Red 241UZ 115mm x 50m P150	122
04239	3M Paper Roll Red 241UZ 115mm x 50m P120	122
04240	3M Paper Roll Red 241UZ 115mm x 50m P100	122
04241	3M Paper Roll Red 241UZ 115mm x 50m P80	122
04242	3M Paper Roll Red 241UZ 115mm x 50m P60	122
04243	3M Paper Roll Red 241UZ 115mm x 50m P40	122
04655	3M Paper Roll 618 115mm x 50m P320	125
04660	3M Paper Roll 618 115mm x 50m P180	125
04672	3M Paper Roll 618 115mm x 50m P150	125
05303	Scotch-Brite Handpad 7447 155mm x 225mm AVFN	100
05304	Scotch-Brite Handpad 7448 155mm x 225mm SULFN	100
05305	Scotch-Brite Handpad 7496 155mm x 225mm AFIN	100
05306	Scotch-Brite Handpad 7486 155mm x 225mm ACRS	100
05307	Scotch-Brite Handpad 7441 155mm x 225mm Type T	100
05523	Roloc Surface Conditioning Disc SC-DR 50mm AVFN	42
05527	Roloc Surface Conditioning Disc SC-DR 50mm AMED	42
05528	Roloc Surface Conditioning Disc SC-DR 50mm ACRS	42
05530	Roloc Surface Conditioning Disc SC-DR 75mm AVFN	42
05531	Roloc Surface Conditioning Disc SC-DR 75mm AMED	42
05532	Roloc Surface Conditioning Disc SC-DR 75mm ACRS	42
05534	Scotch-Brite Cut & Polish Roll CP-RL 50mm x 5m AMED	126
05740	3M Hookit Hand Block 70mm x 127mm Hard	112
05742	3M Hookit Hand Block 70mm x 127mm Soft	112

# Part Number Index

# Part Number Index

PART NO	DESCRIPTION	PAGE
05808	Scotch-Brite Clean & Strip XT Purple Spindle Mounted Disc XT-ZS 75mm x 13mm x 6mm XCRS	23
05809	Scotch-Brite Clean & Strip XT Purple Spindle Mounted Disc XT-ZS 100mm x 13mm x 6mm XCRS	23
05814	3M Roloc+ XT Purple Disc XT-ZR 100mm x 13mm XCRC	48
05815	3M Roloc+ XT Purple Disc XT-ZR 125mm x 13mm XCRC	48
05816	Scotch-Brite Clean & Strip XT Purple Fibre Backed Disc XT-DB 115mm x 22mm XCRC	23
05817	Scotch-Brite Clean & Strip XT Purple Fibre Backed Disc XT-DB 178mm x 22mm XCRC	23
05818	Scotch-Brite Clean & Strip XT Purple Rigid Disc XT-RD 115mm x 22mm XCRC	23
06527	3M Paper Roll 618 115mm x 50m P120	125
06528	3M Paper Roll 618 115mm x 50m P240	125
07209	Scotch-Brite Shaft Mounted Flap Brush FF-ZS / PF-ZS 75mm x 45mm x 6mm AMED	84
07211	Scotch-Brite Shaft Mounted Flap Brush FF-ZS / PF-ZS 75mm x 45mm x 6mm AVFN	84
07213	Scotch-Brite Shaft Mounted Flap Brush FF-ZS / PF-ZS 75mm x 45mm x 6mm ACRC	84
07215	Scotch-Brite Shaft Mounted Flap Brush FF-ZS / PF-ZS 75mm x 45mm x 6mm SFIN	84
07217	Scotch-Brite Shaft Mounted Flap Brush FF-ZS / PF-ZS 75mm x 45mm x 6mm AFN	84
07306	3M Flat Semi-Flexible Pad 115 x M14-2.0	17
07312	3M Flat Semi-Flexible Pad 100 x M10-1.5	17
07524	3M Roloc Bristle Disc RD-ZB 50mm P50	45
07525	3M Roloc Bristle Disc RD-ZB 50mm P80	45
07526	3M Roloc Bristle Disc RD-ZB 75mm P50	45
07527	3M Roloc Bristle Disc RD-ZB 75mm P80	45
07528	3M Roloc Bristle Disc RD-ZB 50mm P120	45
07529	3M Roloc Bristle Disc RD-ZB 75mm P120	45
07909	3M Tack Pad Dispenser	109
07910	3M Tack Pad 175mm x 235mm	109
07926	3M High Performance Cloth 2011 320mm x 360mm Blue	108
07948	3M Mandrel 900-8 8mm shaft	24, 87
8383	3M Hookit Paper Sheet 245 70mm x 127mm Plain P40	112
8384	3M Hookit Paper Sheet 245 70mm x 127mm Plain P80	112
8385	3M Hookit Paper Sheet 245 70mm x 127mm Plain P120	112
8682	3M Hookit Paper Sheet 245 70mm x 127mm Plain P60	112
09386	3M Flat Semi-Flexible Pad 127 x M14-2.0	17
09387	3M Flat Semi-Flexible Pad 178x16 / M14-2.0	17
09583	3M High Performance Ribbed Back-Up Pad 115 x M14-2.0	17
09584	3M High Performance Ribbed Back-Up Pad 127 x M14-2.0	17
09700	3M Roloc+ Cut & Polish Flap Brush PF-ZR 50mm x 25mm AMED	51
09701	3M Roloc+ Cut & Polish Flap Brush PF-ZR 63mm x 32mm AMED	51
09702	3M Roloc+ Cut & Polish Flap Brush PF-ZR 75mm x 35mm AMED	51
09703	3M Roloc+ Clean & Finish Flap Brush FF-ZR 75mm x 35mm ACRC	52
09704	3M Roloc+ Clean & Finish Flap Brush FF-ZR 50mm x 25mm AVFN	52
09705	3M Roloc+ Clean & Finish Flap Brush FF-ZR 63mm x 32mm AVFN	52
09706	3M Roloc+ Clean & Finish Flap Brush FF-ZR 75mm x 35mm AVFN	52
09707	3M Roloc+ Clean & Finish Flap Brush FF-ZR 50mm x 25mm SFIN	52
09708	3M Roloc+ Clean & Finish Flap Brush FF-ZR 63mm x 32mm SFIN	52
09709	3M Roloc+ Clean & Finish Flap Brush FF-ZR 75mm x 35mm SFIN	52
09717	3M Roloc+ Combi Flap Brush CB-ZR 63mm x 32mm P80	50
09720	3M Roloc+ Combi Flap Brush CB-ZR 63mm x 32mm P120	50
09723	3M Roloc+ Combi Flap Brush CB-ZR 63mm x 32mm P180	50
09732	3M Roloc+ High Performance Disc H1-ZR / H2-ZR 75mm x 12mm SXCRS	46
09733	3M Roloc+ High Performance Disc H1-ZR / H2-ZR 75mm x 25mm SXCRS	46
09734	3M Roloc+ High Performance Disc H1-ZR / H2-ZR 100mm x 12mm SXCRS	46
09735	3M Roloc+ High Performance Disc H1-ZR / H2-ZR 100mm x 25mm SXCRS	46
09739	3M Roloc+ Cut & Polish Unitted Wheel CP-UR 50mm x 3mm x 10mm 5AFIN	54
09740	3M Roloc+ Cut & Polish Unitted Wheel CP-UR 75mm x 3mm x 10mm 5AFIN	54
09742	3M Roloc+ Cut & Polish Unitted Wheel CP-UR 50mm x 6mm x 10mm 5AFIN	54

PART NO	DESCRIPTION	PAGE
09743	3M Roloc+ Cut & Polish Unitted Wheel CP-UR 75mm x 6mm x 10mm 5AFIN	54
09749	3M Roloc+ High Performance Unitted Wheel H1-UR 75mm x 6mm x 10mm SXCRS	47
09831	Scotch-Brite EXL Unitted Wheel XL-UW 51mm x 6mm x 6.35mm 2SFIN	74
09838	3M Roloc+ EXL Unitted Wheel XL-UR 50mm x 6mm x 10mm 2SFIN	55
09840	3M Roloc+ EXL Unitted Wheel XL-UR 75mm x 6mm x 10mm 2SFIN	55
09842	Scotch-Brite EXL Unitted Wheel XL-UW 76mm x 25mm x 6.35mm 2SFIN	74
09884	3M Roloc No. 1 Holder 6mm x 25mm	57
09892	3M Roloc+ Type T Flap Brush MS-ZR 75mm x 35mm Type T	53
09893	3M Roloc No. 0 Holder 6mm x 13mm	57
09921	3M High Performance Ribbed Back-Up Pad 178x16 / M14-2.0	17
9951	3M Diamond Hand Lap 6200J 90mm x 55mm N250	106
9955	3M Diamond Hand Lap 6200J 90mm x 55mm R30	106
9956	3M Diamond Hand Lap 6200J 90mm x 55mm R10	106
09964	Scotch-Brite Lap Mop 100mm x 6 discs AVFN	22
09965	Scotch-Brite Lap Mop 100mm x 6 discs AMED	22
09968	Scotch-Brite Lap Mop 150mm x 6 discs AVFN	22
09969	Scotch-Brite Lap Mop 150mm x 6 discs AMED	22
09986	3M Roloc No. 2 Holder 6mm x 38mm	57
09987	3M Roloc No. 3 Holder 6mm x 50mm	57
09988	3M Roloc No. 4 Holder 6mm x 75mm	57
09989	3M Roloc No. 5 Holder 6mm x 13mm	57
09990	3M Roloc No. 6 Holder 6mm x 25mm	57
09991	3M Roloc No. 7 Holder 6mm x 25mm	57
09992	3M Roloc No. 8 Holder 6mm x 25mm	57
10067	3M Diamond Hand Lap 6200J 90mm x 55mm N20	106
11000	3M Roloc Cloth Disc 361F 50mm P24	41
11137	3M Roloc Cloth Disc 361F 38mm P50	41
11412	3M Roloc Cloth Disc 361F 25mm P36	41
11414	3M Roloc Cloth Disc 361F 25mm P120	41
11416	3M Roloc Cloth Disc 361F 25mm P80	41
11417	3M Roloc Cloth Disc 361F 25mm P60	41
11418	3M Roloc Cloth Disc 361F 75mm P240	41
11419	3M Roloc Cloth Disc 361F 50mm P240	41
11632	3M Hookit Paper Sheet 255P 70mm x 127mm 8 Hole P320	113
11633	3M Hookit Paper Sheet 255P 70mm x 127mm 8 Hole P240	113
11634	3M Hookit Paper Sheet 255P 70mm x 127mm 8 Hole P180	113
11635	3M Hookit Paper Sheet 255P 70mm x 127mm 8 Hole P120	113
11656	3M Hookit Paper Sheet 255P 70mm x 127mm Plain P80	113
13444	3M Microfinishing Film Self-Adhesive (PSA) Spot Repair Disc 268L 36.51mm (scaloped) 9µ	32
13713	Scotch-Brite EXL Mini-Bob XL-UW 25mm x 25mm x 4.84mm 2SFIN	75
13715	Scotch-Brite EXL Unitted Wheel XL-UW 51mm x 12mm x 6.35mm 2SFIN	74
13716	Scotch-Brite EXL Unitted Wheel XL-UW 76mm x 6mm x 6.35mm 2SFIN	74
13717	Scotch-Brite EXL Unitted Wheel XL-UW 76mm x 12mm x 6.35mm 2SFIN	74
13719	Scotch-Brite EXL Unitted Wheel XL-UW 152mm x 12mm x 12.7mm 2SFIN	74
13741	Scotch-Brite EXL Unitted Wheel XL-UW 152mm x 6mm x 12.7mm 2SFIN	74
13742	Scotch-Brite EXL Unitted Wheel XL-UW 152mm x 25mm x 12.7mm 2SFIN	74
13753	Scotch-Brite EXL Mini-Bob XL-UW 25mm x 25mm x 4.84mm 8AMED	75
13763	Scotch-Brite EXL Unitted Wheel XL-UW 76mm x 6mm x 6.35mm 8ACRS	74
13873	3M Roloc Cloth Disc 361F 50mm P180	41
13914	3M Microfinishing Film Self-Adhesive (PSA) Disc 268L 127mm Plain 80µ	32
14446	3M Hookit Paper Sheet 255P 70mm x 127mm 8 Hole P150	113
14661	3M Roloc Cloth Disc 777F 50mm P80	40
14923	3M Wetordry Self-Adhesive (PSA) Polishing Paper Disc 486Q 127mm 20µ	33
14924	3M Wetordry Self-Adhesive (PSA) Polishing Paper Disc 486Q 127mm 15µ	33



# Part Number Index

# Part Number Index

PART NO	DESCRIPTION	PAGE
14925	3M Wetordry Self-Adhesive (PSA) Polishing Paper Disc 286Q 127mm 9µ	33
14972	3M Microfinishing Film Self-Adhesive (PSA) Disc 268L 127mm Plain 9µ	32
14975	3M Microfinishing Film Self-Adhesive (PSA) Disc 268L 127mm Plain 60µ	32
15391	Roloc Surface Conditioning Disc SC-DR 25mm AVFN	42
15392	Roloc Surface Conditioning Disc SC-DR 25mm AMED	42
15393	Roloc Surface Conditioning Disc SC-DR 25mm ACRS	42
15514	Scotch-Brite EXL Unitted Wheel XL-UW 38mm x 3mm x 4.8mm 8ACRS	74
15515	Scotch-Brite EXL Unitted Wheel XL-UW 38mm x 3mm x 4.8mm 6AMED	74
15531	Scotch-Brite EXL Unitted Wheel XL-UW 76mm x 6mm x 6.35mm 2AMED	74
15532	Scotch-Brite EXL Unitted Wheel XL-UW 76mm x 12mm x 6.35mm 2AMED	74
15683	3M Hookit Paper Sheet 255P 115mm x 225mm 10 Hole P100	113
15827	Scotch-Brite EXL Unitted Wheel XL-UW 203mm x 6mm x 12.7mm 2SFN	74
15860	Scotch-Brite EXL Mini-Bob XL-UW 25mm x 25mm x 4.84mm 6AFIN	75
17183	3M Roloc EXL Unitted Disc XL-DR 50mm x 6mm 2SFN	43
17184	3M Roloc EXL Unitted Disc XL-DR 75mm x 6mm 2SFN	43
17185	3M Roloc EXL Unitted Disc XL-DR 50mm x 6mm 2AMED	43
17186	3M Roloc EXL Unitted Disc XL-DR 75mm x 6mm 2AMED	43
17189	3M Roloc EXL Unitted Disc XL-DR 75mm x 6mm 6SFN	43
17190	3M Roloc EXL Unitted Disc XL-DR 50mm x 6mm 6AMED	43
17191	3M Roloc EXL Unitted Disc XL-DR 75mm x 6mm 6AMED	43
17192	3M Roloc EXL Unitted Disc XL-DR 50mm x 6mm 8AMED	43
17193	3M Roloc EXL Unitted Disc XL-DR 75mm x 6mm 8AMED	43
17194	3M Roloc EXL Unitted Disc XL-DR 50mm x 6mm 8ACRS	43
17195	3M Roloc EXL Unitted Disc XL-DR 75mm x 6mm 8ACRS	43
18350	3M Roloc Coating Removal Disc CR-DR 75mm XCRS	44
18364	3M Roloc Coating Removal Disc CR-DR 50mm XCRS	44
18416	3M Hookit Disc 255P 125mm Plain P180	27
18756	Scotch-Brite Finishing Wheel FS-WL 152mm x 25.4mm x 25.4mm 2SCRS	72
18757	Scotch-Brite Finishing Wheel FS-WL 152mm x 25.4mm x 25.4mm 2MED	72
18758	Scotch-Brite Finishing Wheel FS-WL 203mm x 50.8mm x 76.2mm 2SCRS	72
18759	Scotch-Brite Finishing Wheel FS-WL 203mm x 50.8mm x 76.2mm 2MED	72
18760	Scotch-Brite Finishing Wheel FS-WL 152mm x 25.4mm x 25.4mm 8AMED	72
18761	Scotch-Brite EXL Deburring Wheel DB-WL 152mm x 25.4mm x 25.4mm 8SMED	71
18762	Scotch-Brite EXL Deburring Wheel DB-WL 152mm x 25.4mm x 25.4mm 9SFN	71
18763	Scotch-Brite EXL Deburring Wheel DB-WL 203mm x 25.4mm x 76.2mm 8SMED	71
18764	Scotch-Brite EXL Deburring Wheel DB-WL 203mm x 25.4mm x 76.2mm 9SFN	71
18765	Scotch-Brite Finishing Wheel FS-WL 203mm x 50.8mm x 76.2mm 8AMED	72
18766	Scotch-Brite EXL Deburring Wheel DB-WL 203mm x 50.8mm x 76.2mm 8SMED	71
18767	Scotch-Brite EXL Deburring Wheel DB-WL 203mm x 50.8mm x 76.2mm 9SFN	71
18768	Scotch-Brite EXL Deburring Wheel DB-WL 152mm x 25.4mm x 25.4mm 7SFN	71
18769	Scotch-Brite EXL Deburring Wheel DB-WL 203mm x 25.4mm x 76.2mm 7SFN	71
18770	Scotch-Brite Finishing Wheel FS-WL 203mm x 50.8mm x 76.2mm 6SFN	72
18771	Scotch-Brite EXL Deburring Wheel DB-WL 203mm x 50.8mm x 76.2mm 7SFN	71
18772	Scotch-Brite Finishing Wheel FS-WL 152mm x 25.4mm x 25.4mm 6SFN	72
19614	3M Hookit Disc 255P 125mm 5 Hole P220	27
20043	3M Hookit Disc 255P 125mm Plain P320	27
20233	3M Air-Powered Cut Off Tool 75mm 1HP	134
20234	3M Air-Powered Cut Off Tool 100mm 1HP	134
20235	3M Air-Powered Cut Off Tool 125mm 1HP	134
20243	3M Air-Powered Cut Off Tool 115mm 1HP	134
20315	3M Air-Powered Random Orbital Sander (Central Vacuum) 75mm (2.5mm orbit)	138
20316	3M Air-Powered Random Orbital Sander (Self Generated Vacuum) 75mm (2.5mm orbit)	138
20318	3M Air-Powered Random Orbital Sander (Central Vacuum) 125mm (5mm orbit)	138
20319	3M Air-Powered Random Orbital Sander (Self Generated Vacuum) 125mm (5mm orbit)	138

PART NO	DESCRIPTION	PAGE
20321	3M Air-Powered Random Orbital Sander (Central Vacuum) 125mm (2.5mm orbit)	138
20322	3M Air-Powered Random Orbital Sander (Self Generated Vacuum) 125mm (2.5mm orbit)	138
20350	3M Hookit Low Profile Clean Sanding Back-Up Pad 75mm 3 Hole	144
20353	3M Hookit Low Profile Clean Sanding Back-Up Pad 125mm x 5/16" 44 Hole	144
20430	3M Air-Powered Orbital Sander (Central Vacuum) 75mm x 100mm	141
20431	3M Air-Powered Orbital Sander (Self Generated Vacuum) 75mm x 100mm	141
20451	3M Air Tool Lubricant 4oz bottle	144
20452	3M Self Generating Vacuum Bag 280mm x 125mm	144
20453	3M Self Generating Vacuum Bag Adaptor 25mm ext hose thread - 25mm ID	135, 144
20461	3M Air-Powered Random Orbital Sander (Central Vacuum) 150mm (5mm orbit)	138
20462	3M Air-Powered Random Orbital Sander (Self Generated Vacuum) 150mm (5mm orbit)	138
20463	3M Air-Powered Random Orbital Sander (Central Vacuum) 150mm (2.5mm orbit)	138
20464	3M Air-Powered Random Orbital Sander (Self Generated Vacuum) 150mm (2.5mm orbit)	138
20465	3M Hookit Low Profile Clean Sanding Back-Up Pad 150mm x 5/16" 50 Hole	144
22392	3M Roloc Cloth Disc 361F 75mm P24	41
22393	3M Roloc Cloth Disc 361F 75mm P36	41
22394	3M Roloc Cloth Disc 361F 75mm P75	41
22395	3M Roloc Cloth Disc 361F 75mm P60	41
22396	3M Roloc Cloth Disc 361F 38mm P36	41
22397	3M Roloc Cloth Disc 361F 38mm P60	41
22398	3M Roloc Cloth Disc 361F 50mm P36	41
22399	3M Roloc Cloth Disc 361F 50mm P50	41
22400	3M Roloc Cloth Disc 361F 50mm P60	41
22401	3M Roloc Cloth Disc 361F 50mm P80	41
22402	3M Roloc Cloth Disc 361F 50mm P100	41
22403	3M Roloc Cloth Disc 361F 50mm P120	41
22404	3M Roloc Cloth Disc 361F 75mm P80	41
22406	3M Roloc Cloth Disc 361F 75mm P120	41
22407	3M Roloc Cloth Disc 361F 38mm P80	41
22409	3M Roloc Cloth Disc 361F 38mm P120	41
24094	3M Roloc Cloth Disc Durable Edge 977F 50mm P36	38
24095	3M Roloc Cloth Disc Durable Edge 977F 75mm P36	38
24098	3M Roloc Cloth Disc Durable Edge 977F 50mm P60	38
24099	3M Roloc Cloth Disc Durable Edge 977F 75mm P60	38
24100	3M Roloc Cloth Disc Durable Edge 977F 50mm P80	38
24102	3M Roloc Cloth Disc Durable Edge 977F 75mm P80	38
24241	Scotch-Brite Bristle Disc BD-ZB 115mm P50	63
24242	Scotch-Brite Bristle Disc BD-ZB 115mm P80	63
24243	Scotch-Brite Bristle Disc BD-ZB 115mm P120	63
24279	Scotch-Brite Bristle Disc RB-ZB Type A 75mm P50	60
24280	Scotch-Brite Bristle Disc RB-ZB Type A 75mm P80	60
24579	Scotch-Brite EX3 Deburring Wheel X3-WL 200mm x 25mm x 76.2mm 9SFN	70
25124	3M Air-Powered Disc Sanders 50mm 0.5HP 6m collet	132
25125	3M Air-Powered Disc Sanders 75mm 1HP 6m collet	132
25126	3M Air-Powered Die Grinders 1HP 6mm collet 20,000 rpm	133
25127	3M Air-Powered Die Grinders 1HP 6mm collet 18,000 rpm	133
25128	3M Air-Powered Die Grinders 1HP 6mm collet 12,000 rpm	133
25129	3M Air-Powered Die Grinders 1HP 6mm collet 8,000 rpm	133
25755	Scotch-Brite Bristle Disc RB-ZB Type C 19mm P80	60
25757	Scotch-Brite Bristle Disc RB-ZB Type C 19mm P220	60
25758	Scotch-Brite Bristle Disc RB-ZB Type C 19mm P400	60
25759	Scotch-Brite Bristle Disc RB-ZB Type C 19mm Pumice	60
27603	Scotch-Brite Radial Bristle Brush BB-ZB Type A 150mm P36	62
27605	Scotch-Brite Radial Bristle Brush BB-ZB Type A 150mm P50	62

# Part Number Index

# Part Number Index

PART NO	DESCRIPTION	PAGE
27606	Scotch-Brite Radial Bristle Brush BB-ZB Type A 150mm P80	62
27610	Scotch-Brite Bristle Disc RB-ZB Type C 25mm P36	60
27611	Scotch-Brite Bristle Disc RB-ZB Type C 25mm P50	60
27612	Scotch-Brite Bristle Disc RB-ZB Type C 25mm P80	60
27613	Scotch-Brite Bristle Disc RB-ZB Type C 25mm P120	60
27614	Scotch-Brite Bristle Disc RB-ZB Type C 14mm P120	60
27615	Scotch-Brite Bristle Disc RB-ZB Type C 14mm P220	60
27616	Scotch-Brite Bristle Disc RB-ZB Type C 14mm P400	60
27618	3M Cubitron II Fibre Disc 987C 127mm x 22mm 36+	16
27619	3M Cubitron II Fibre Disc 987C 115mm x 16mm 36+	16
27622	Scotch-Brite Radial Bristle Brush Refill Pack BB-ZB Type A 150mm P50	64
27627	3M Cubitron II Fibre Disc 982C 115mm x 22mm 80+	15
27628	3M Cubitron II Fibre Disc 982C 127mm x 22mm 80+	15
27645	3M Cubitron II Fibre Disc 987C 115mm x 16mm 60+	16
27646	3M Cubitron II Fibre Disc 987C 127mm x 22mm 60+	16
27649	3M Cubitron II Fibre Disc 987C 115mm x 16mm 80+	16
27650	3M Cubitron II Fibre Disc 987C 127mm x 22mm 80+	16
27693	3M Cubitron II Fibre Disc 982C 115mm x 22mm 60+	15
27694	3M Cubitron II Fibre Disc 982C 127mm x 22mm 60+	15
27740	3M Cubitron II Fibre Disc 982C 180mm x 22mm 60+	15
27741	3M Cubitron II Fibre Disc 982C 180mm x 22mm 80+	15
27742	3M Cubitron II Fibre Disc 987C 180mm x 22mm 60+	16
27743	3M Cubitron II Fibre Disc 987C 180mm x 22mm 80+	16
27744	3M Cubitron II Fibre Disc 987C 180mm x 22mm 36+	16
27769	3M Cubitron II Fibre Disc 982C 100mm x 16mm 36+	15
27770	3M Cubitron II Fibre Disc 982C 100mm x 16mm 60+	15
27771	3M Cubitron II Fibre Disc 982C 100mm x 16mm 80+	15
27772	3M Cubitron II Fibre Disc 987C 100mm x 16mm 36+	16
27773	3M Cubitron II Fibre Disc 987C 100mm x 16mm 60+	16
27774	3M Cubitron II Fibre Disc 987C 100mm x 16mm 80+	16
28333	3M Air-Powered Buffer 75mm	142
28337	3M Air-Powered Two Hand Random Orbital Sander (Central Vacuum / Non-Vacuum) 150mm (9.5mm orbit)	140
28338	3M Air-Powered Inline Sanders 1HP, 5/8-11 Threaded Ext. Shaft 1,600 rpm	136
28339	3M Air-Powered Inline Sanders 1HP, 5/8-11 Threaded Ext. Shaft 3,500 rpm	136
28345	3M Air-Powered Die Grinders 0.5HP 6mm collet 18,000 rpm	133
28346	3M Air-Powered Die Grinders 0.5HP 6mm collet (extended) 18,000 rpm	133
28347	3M Air-Powered Die Grinders 0.5HP 6mm collet 4,000 rpm	133
28366	3M Air-Powered File Belt Sander 0.6HP	135
28368	3M File Belt Sander Arm Attachment Standard 13mm x 457mm	145
28369	3M File Belt Sander Arm Attachment Thin 13mm x 457mm	145
28370	3M File Belt Sander Arm Attachment Channel 3/6/13mm x 457mm	145
28371	3M File Belt Sander Arm Attachment Thick 16/19mm x 457mm	145
28372	3M File Belt Sander Arm Attachment Narrow Channel 3/6mm x 457mm	145
28373	3M File Belt Sander Arm Attachment Long 16/19mm x 520mm	145
28374	3M File Belt Sander Arm Attachment Curved 13mm x 457mm	145
28375	3M File Belt Sander Arm Attachment Large Channel 6/13mm x 610mm	145
28376	3M File Belt Sander Extension 610mm	145
28377	3M File Belt Sander Platen Pad Material 13mm belts - soft	145
28378	3M File Belt Sander Platen Pad Material 16/19mm belts - soft	145
28379	3M File Belt Sander Platen Pad Material 13mm belts - hard	145
28380	3M File Belt Sander Platen Pad Material 16/19mm belts - hard	145
28381	3M File Belt Sander Platen Pad Material 13mm belts - thin	145
28382	3M File Belt Sander Platen Pad Material 16/19mm belts - thin	145
29200	Scotch-Brite EXL Unitted Disc XL-UD 115mm x 22mm 8ACRS	25

PART NO	DESCRIPTION	PAGE
29201	Scotch-Brite EXL Unitted Disc XL-UD 115mm x 22mm 2SFIN	25
30001	Scotch-Brite Bristle Disc RB-ZB Type C 19mm 6µ	60
30002	Scotch-Brite Bristle Disc RB-ZB Type C 19mm 1µ	60
30118	Scotch-Brite Bristle Disc RB-ZB Type C 50mm P80	60
30120	Scotch-Brite Bristle Disc RB-ZB Type C 50mm P120	60
30121	Scotch-Brite Bristle Disc RB-ZB Type C 50mm P220	60
30122	Scotch-Brite Bristle Disc RB-ZB Type C 50mm P400	60
30123	Scotch-Brite Bristle Disc RB-ZB Type C 50mm Pumice	60
30124	Scotch-Brite Bristle Disc RB-ZB Type C 50mm 6µ	60
30125	Scotch-Brite Bristle Disc RB-ZB Type C 50mm 1µ	60
30126	Scotch-Brite Bristle Disc RB-ZB Type C 75mm P80	60
30127	Scotch-Brite Bristle Disc RB-ZB Type C 75mm P120	60
30128	Scotch-Brite Bristle Disc RB-ZB Type C 75mm P220	60
30129	Scotch-Brite Bristle Disc RB-ZB Type C 75mm P400	60
30131	Scotch-Brite Bristle Disc RB-ZB Type C 75mm 6µ	60
30208	Scotch-Brite Finishing Wheel FS-WL 152mm x 50.8mm x 25.4mm 2SCRS	72
30209	Scotch-Brite Finishing Wheel FS-WL 152mm x 50.8mm x 25.4mm 2SMED	72
30212	Scotch-Brite EX3 Deburring Wheel X3-WL 200mm x 13mm x 76.2mm 9SFN	70
30213	Scotch-Brite EX3 Deburring Wheel X3-WL 150mm x 13mm x 76.2mm 9SFN	70
30214	Scotch-Brite EX3 Deburring Wheel X3-WL 150mm x 13mm x 25.4mm 9SFN	70
30382	Scotch-Brite EXL Unitted Wheel XL-UW 203mm x 25mm x 12.7mm 2SFIN	74
33055	Scotch-Brite Radial Bristle Brush Refill Pack BB-ZB Type C 150mm P80	64
33056	Scotch-Brite Radial Bristle Brush Refill Pack BB-ZB Type C 150mm P120	64
33057	Scotch-Brite Radial Bristle Brush Refill Pack BB-ZB Type C 150mm P220	64
33058	Scotch-Brite Radial Bristle Brush Refill Pack BB-ZB Type C 150mm P400	64
33067	Scotch-Brite Moulded DLO Wheel XR-WM 152mm x 13mm x 25.4mm HA120	73
33081	Scotch-Brite Radial Bristle Brush BB-ZB Type S 200mm P50	62
33082	Scotch-Brite Radial Bristle Brush BB-ZB Type S 200mm P80	62
33083	Scotch-Brite Radial Bristle Brush BB-ZB Type S 200mm P120	62
33084	Scotch-Brite Radial Bristle Brush BB-ZB Type C 200mm P220	62
33085	Scotch-Brite Radial Bristle Brush BB-ZB Type C 200mm P400	62
33129	Scotch-Brite Radial Bristle Brush BB-ZB Type C 200mm P80	62
33130	Scotch-Brite Radial Bristle Brush BB-ZB Type C 200mm P120	62
33212	Scotch-Brite Radial Bristle Brush BB-ZB Type C 150mm P120	62
33213	Scotch-Brite Radial Bristle Brush BB-ZB Type C 150mm P220	62
33214	Scotch-Brite Radial Bristle Brush BB-ZB Type C 150mm P400	62
33215	Scotch-Brite Radial Bristle Brush BB-ZB Type C 150mm P80	62
33794	Roloc Surface Conditioning Disc SC-DR 75mm Heavy Duty	42
33795	Roloc Surface Conditioning Disc SC-DR 50mm Heavy Duty	42
33796	Roloc Surface Conditioning Disc SC-DR 75mm Super Duty	42
33797	Roloc Surface Conditioning Disc SC-DR 50mm Super Duty	42
34567	3M Professional Panel Wipe (400 on a Roll) 290mm x 370mm	108
45091	3M Roloc Rubber Back-Up Pad 75mm x 6mm thread Hard	57
45092	3M Roloc Rubber Back-Up Pad 75mm x 6mm thread Medium	57
45095	3M Roloc Rubber Back-Up Pad 50mm x 6mm thread Medium	57
45099	3M Roloc Rubber Back-Up Pad 38mm x 6mm thread Medium	57
45100	3M Roloc Rubber Back-Up Pad 38mm x 6mm thread Hard	57
45101	3M Roloc Rubber Back-Up Pad 25mm x 6mm thread Medium	57
55073	3M Cubitron II Fibre Disc 982C 127mm x 22mm 36+	15
55074	3M Cubitron II Fibre Disc 982C 180mm x 22mm 36+	15
55075	3M Cubitron II Fibre Disc 982C 115mm x 22mm 36+	15
57018	3M Roloc+ GP Blue Disc CG-ZR 100mm x 13mm XCRS	49
57019	3M Roloc+ GP Blue Disc CG-ZR 150mm x 13mm XCRS	49
60105	3M Green Corps Flexible Grinding Discs 100mm x 3mm x 16mm P36	14

# Part Number Index

# Part Number Index

PART NO	DESCRIPTION	PAGE
60110	Back-Up Pad for 3M Green Corps Flexible Grinding Discs 86mm x 16mm	14
60630	3M Green Corps Flexible Grinding Discs 115mm x 3mm x 16mm P36	14
60634	3M Green Corps Flexible Grinding Discs 125mm x 3mm x 16mm P36	14
60642	Back-Up Pad for 3M Green Corps Flexible Grinding Discs 86mm x 22mm	14
60643	Back-Up Pad for 3M Green Corps Flexible Grinding Discs 117mm x 22mm	14
60726	3M Paper Sheet 622 230mm x 280mm P240	118
60729	3M Paper Sheet 622 230mm x 280mm P150	118
60730	3M Paper Sheet 622 230mm x 280mm P120	118
60831	3M Inox Cut Off Wheel 115mm x 1.6mm x 22mm	69
60832	3M Inox Cut Off Wheel 125mm x 1.6mm x 22mm	69
60981	Scotch-Brite Surface Conditioning Disc Centre Pin System (Hookit Backed) SC-DH 115mm x 22mm ACRS	20
60982	Scotch-Brite Surface Conditioning Disc Centre Pin System (Hookit Backed) SC-DH 115mm x 22mm AMED	20
60983	Scotch-Brite Surface Conditioning Disc Centre Pin System (Hookit Backed) SC-DH 115mm x 22mm AVFN	20
60985	Scotch-Brite Surface Conditioning Disc Centre Pin System (Hookit Backed) SC-DH 178mm x 22mm ACRS	20
60986	Scotch-Brite Surface Conditioning Disc Centre Pin System (Hookit Backed) SC-DH 178mm x 22mm AMED	20
60987	Scotch-Brite Surface Conditioning Disc Centre Pin System (Hookit Backed) SC-DH 178mm x 22mm AVFN	20
61121	Scotch-Brite Clean & Strip GP Blue Disc CG-DC 100mm x 13mm XCRS	24
61122	Scotch-Brite Clean & Strip GP Blue Disc CG-DC 150mm x 13mm XCRS	24
61132	Scotch-Brite Surface Conditioning Disc (Fibre Backed) SC-DB 115mm x 22mm ACRS	21
61133	Scotch-Brite Surface Conditioning Disc (Fibre Backed) SC-DB 178mm x 22mm ACRS	21
61163	Scotch-Brite Clean & Strip GP Blue Disc CG-DC 200mm x 13mm XCRS	24
61164	Scotch-Brite Clean & Strip GP Blue Spindle Mounted Disc CG-ZS 75mm x 13mm x 6mm XCRS	24
61165	Scotch-Brite Clean & Strip GP Blue Spindle Mounted Disc CG-ZS 100mm x 13mm x 6mm XCRS	24
61166	Scotch-Brite Clean & Strip GP Blue Spindle Mounted Disc CG-ZS 150mm x 13mm x 8mm XCRS	24
61167	Scotch-Brite Clean & Strip GP Blue Spindle Mounted Disc CG-ZS 75mm x 25mm x 6mm XCRS	24
61168	Scotch-Brite Clean & Strip GP Blue Spindle Mounted Disc CG-ZS 100mm x 25mm x 6mm XCRS	24
61169	Scotch-Brite Clean & Strip GP Blue Spindle Mounted Disc CG-ZS 150mm x 25mm x 8mm XCRS	24
61172	Scotch-Brite Clean & Strip GP Blue Fibre Backed Disc CG-DB 115mm x 22mm XCRS	24
61174	Scotch-Brite Clean & Strip GP Blue Rigid Disc CG-RD 115mm x 22mm XCRS	24
61334	3M Fibre Disc 985C 100mm x 16mm P36	17
61336	3M Fibre Disc 985C 100mm x 16mm P60	17
61337	3M Fibre Disc 985C 100mm x 16mm P80	17
61340	3M Fibre Disc 985C 115mm x 22mm P24	17
61341	3M Fibre Disc 985C 115mm x 22mm P36	17
61342	3M Fibre Disc 985C 115mm x 22mm P50	17
61343	3M Fibre Disc 985C 115mm x 22mm P60	17
61344	3M Fibre Disc 985C 115mm x 22mm P80	17
61348	3M Fibre Disc 985C 127mm x 22mm P36	17
61349	3M Fibre Disc 985C 127mm x 22mm P50	17
61350	3M Fibre Disc 985C 127mm x 22mm P60	17
61351	3M Fibre Disc 985C 127mm x 22mm P80	17
61354	3M Fibre Disc 985C 178mm x 22mm P24	17
61355	3M Fibre Disc 985C 178mm x 22mm P36	17
61356	3M Fibre Disc 985C 178mm x 22mm P50	17
61357	3M Fibre Disc 985C 178mm x 22mm P60	17
61358	3M Fibre Disc 985C 178mm x 22mm P80	17
61677	Scotch-Brite Centre-Pin Back Up Pad 100mm M10 x 1.5	20
61678	Scotch-Brite Centre-Pin Back Up Pad 100mm M14	20
61679	"Scotch-Brite Centre-Pin Back Up Pad 100mm x 5/8"	20
61680	Scotch-Brite Centre-Pin Back Up Pad 115mm M14	20
61682	Scotch-Brite Centre-Pin Back Up Pad 178mm M14	20
61683	"Scotch-Brite Centre-Pin Back Up Pad 178mm x 5/8"	20
61740	3M Fibre Disc 581C 100mm x 16mm P24	18
61741	3M Fibre Disc 581C 100mm x 16mm P36	18

PART NO	DESCRIPTION	PAGE
61743	3M Fibre Disc 581C 100mm x 16mm P60	18
61744	3M Fibre Disc 581C 100mm x 16mm P80	18
61747	3M Fibre Disc 581C 115mm x 22mm P24	18
61748	3M Fibre Disc 581C 115mm x 22mm P36	18
61749	3M Fibre Disc 581C 115mm x 22mm P50	18
61750	3M Fibre Disc 581C 115mm x 22mm P60	18
61751	3M Fibre Disc 581C 115mm x 22mm P80	18
61753	3M Fibre Disc 581C 115mm x 22mm P120	18
61754	3M Fibre Disc 581C 125mm x 22mm P24	18
61755	3M Fibre Disc 581C 125mm x 22mm P36	18
61756	3M Fibre Disc 581C 125mm x 22mm P50	18
61757	3M Fibre Disc 581C 125mm x 22mm P60	18
61758	3M Fibre Disc 581C 125mm x 22mm P80	18
61760	3M Fibre Disc 581C 125mm x 22mm P120	18
61761	3M Fibre Disc 581C 180mm x 22mm P24	18
61762	3M Fibre Disc 581C 180mm x 22mm P36	18
61763	3M Fibre Disc 581C 180mm x 22mm P50	18
61764	3M Fibre Disc 581C 180mm x 22mm P60	18
61765	3M Fibre Disc 581C 180mm x 22mm P80	18
61767	3M Fibre Disc 581C 180mm x 22mm P120	18
61776	3M Flap Disc (Conical) 556D 100mm x 16mm P40	19
61777	3M Flap Disc (Conical) 556D 100mm x 16mm P60	19
61780	3M Flap Disc (Flat) 556D 100mm x 16mm P40	19
61781	3M Flap Disc (Flat) 556D 100mm x 16mm P60	19
61784	3M Flap Disc (Conical) 556D 115mm x 22mm P40	19
61785	3M Flap Disc (Conical) 556D 115mm x 22mm P60	19
61786	3M Flap Disc (Conical) 556D 115mm x 22mm P80	19
61787	3M Flap Disc (Conical) 556D 115mm x 22mm P120	19
61788	3M Flap Disc (Flat) 556D 115mm x 22mm P40	19
61789	3M Flap Disc (Flat) 556D 115mm x 22mm P60	19
61790	3M Flap Disc (Flat) 556D 115mm x 22mm P80	19
61791	3M Flap Disc (Flat) 556D 115mm x 22mm P120	19
61792	3M Flap Disc (Conical) 556D 125mm x 22mm P40	19
61793	3M Flap Disc (Conical) 556D 125mm x 22mm P60	19
61794	3M Flap Disc (Conical) 556D 125mm x 22mm P80	19
61795	3M Flap Disc (Conical) 556D 125mm x 22mm P120	19
61796	3M Flap Disc (Flat) 556D 125mm x 22mm P40	19
61797	3M Flap Disc (Flat) 556D 125mm x 22mm P60	19
61798	3M Flap Disc (Flat) 556D 125mm x 22mm P80	19
61799	3M Flap Disc (Flat) 556D 125mm x 22mm P120	19
61800	3M Flap Disc (Conical) 556D 125mm x 22mm P40	19
61801	3M Flap Disc (Conical) 556D 125mm x 22mm P60	19
61802	3M Flap Disc (Conical) 556D 125mm x 22mm P80	19
61803	3M Flap Disc (Conical) 556D 125mm x 22mm P120	19
61804	3M Flap Disc (Flat) 556D 125mm x 22mm P40	19
61805	3M Flap Disc (Flat) 556D 125mm x 22mm P60	19
61806	3M Flap Disc (Flat) 556D 125mm x 22mm P80	19
61807	3M Flap Disc (Flat) 556D 125mm x 22mm P120	19
61945	Scotch-Brite Surface Conditioning Disc (Fibre Backed) SC-DB 178mm x 22mm Super Duty	21
61947	Scotch-Brite Surface Conditioning Disc (Fibre Backed) SC-DB 115mm x 22mm Super Duty	21
61948	Scotch-Brite Surface Conditioning Disc (Fibre Backed) SC-DB 100mm x 16mm Super Duty	21
62043	Scotch-Brite Moulded DLO Wheel XR-WM 203mm x 13mm x 76.2mm HA120	73
62112	3M Hookit Disc 338U 150mm 6 Hole P80	29
62113	3M Hookit Disc 338U 150mm 6 Hole P100	29



## Part Number Index

## Part Number Index

PART NO	DESCRIPTION	PAGE
62114	3M Hookit Disc 338U 150mm 6 Hole P120	29
62115	3M Hookit Disc 338U 150mm 6 Hole P150	29
62116	3M Hookit Disc 338U 150mm 6 Hole P180	29
62117	3M Hookit Disc 338U 150mm 6 Hole P220	29
62118	3M Hookit Disc 338U 150mm 6 Hole P240	29
62119	3M Hookit Disc 338U 150mm 6 Hole P280	29
62120	3M Hookit Disc 338U 150mm 6 Hole P320	29
62121	3M Hookit Disc 338U 150mm 6 Hole P360	29
62122	3M Hookit Disc 338U 150mm 6 Hole P400	29
62123	3M Hookit Disc 338U 150mm 6 Hole P500	29
62686	3M Hookit Disc 338U 125mm Plain P80	29
62688	3M Hookit Disc 338U 125mm Plain P120	29
62689	3M Hookit Disc 338U 125mm Plain P150	29
62690	3M Hookit Disc 338U 125mm Plain P180	29
62691	3M Hookit Disc 338U 125mm Plain P220	29
62692	3M Hookit Disc 338U 125mm Plain P240	29
62693	3M Hookit Disc 338U 125mm Plain P280	29
62694	3M Hookit Disc 338U 125mm Plain P320	29
62696	3M Hookit Disc 338U 125mm Plain P400	29
62697	3M Hookit Disc 338U 125mm Plain P500	29
62698	3M Hookit Disc 338U 125mm 5 Hole P80	29
62699	3M Hookit Disc 338U 125mm 5 Hole P100	29
62700	3M Hookit Disc 338U 125mm 5 Hole P120	29
62701	3M Hookit Disc 338U 125mm 5 Hole P150	29
62702	3M Hookit Disc 338U 125mm 5 Hole P180	29
62704	3M Hookit Disc 338U 125mm 5 Hole P240	29
62705	3M Hookit Disc 338U 125mm 5 Hole P280	29
62706	3M Hookit Disc 338U 125mm 5 Hole P320	29
62708	3M Hookit Disc 338U 125mm 5 Hole P400	29
62709	3M Hookit Disc 338U 125mm 5 Hole P500	29
62770	3M Hookit Disc 338U 150mm Plain P80	29
62771	3M Hookit Disc 338U 150mm Plain P100	29
62772	3M Hookit Disc 338U 150mm Plain P120	29
62773	3M Hookit Disc 338U 150mm Plain P150	29
62774	3M Hookit Disc 338U 150mm Plain P180	29
62775	3M Hookit Disc 338U 150mm Plain P220	29
62776	3M Hookit Disc 338U 150mm Plain P240	29
62777	3M Hookit Disc 338U 150mm Plain P280	29
62778	3M Hookit Disc 338U 150mm Plain P320	29
62779	3M Hookit Disc 338U 150mm Plain P360	29
62780	3M Hookit Disc 338U 150mm Plain P400	29
62781	3M Hookit Disc 338U 150mm Plain P500	29
62857	3M Cloth Roll 314D 25mm x 25m P40	124
62860	3M Cloth Roll 314D 25mm x 25m P80	124
62861	3M Cloth Roll 314D 25mm x 25m P100	124
62862	3M Cloth Roll 314D 25mm x 25m P120	124
62863	3M Cloth Roll 314D 25mm x 25m P150	124
62866	3M Cloth Roll 314D 25mm x 25m P240	124
62867	3M Cloth Roll 314D 25mm x 25m P320	124
62868	3M Cloth Roll 314D 25mm x 25m P400	124
62870	3M Cloth Roll 314D 38mm x 25m P40	124
62871	3M Cloth Roll 314D 38mm x 25m P50	124
62873	3M Cloth Roll 314D 38mm x 25m P80	124
62874	3M Cloth Roll 314D 38mm x 25m P100	124

PART NO	DESCRIPTION	PAGE
62875	3M Cloth Roll 314D 38mm x 25m P120	124
62876	3M Cloth Roll 314D 38mm x 25m P150	124
62877	3M Cloth Roll 314D 38mm x 25m P180	124
62879	3M Cloth Roll 314D 38mm x 25m P240	124
62880	3M Cloth Roll 314D 38mm x 25m P320	124
62881	3M Cloth Roll 314D 38mm x 25m P400	124
62883	3M Cloth Roll 314D 50mm x 25m P40	124
62884	3M Cloth Roll 314D 50mm x 25m P50	124
62885	3M Cloth Roll 314D 50mm x 25m P60	124
62886	3M Cloth Roll 314D 50mm x 25m P80	124
62887	3M Cloth Roll 314D 50mm x 25m P100	124
62888	3M Cloth Roll 314D 50mm x 25m P120	124
62889	3M Cloth Roll 314D 50mm x 25m P150	124
62890	3M Cloth Roll 314D 50mm x 25m P180	124
62892	3M Cloth Roll 314D 50mm x 25m P240	124
62893	3M Cloth Roll 314D 50mm x 25m P320	124
62894	3M Cloth Roll 314D 50mm x 25m P400	124
62896	3M Cloth Sheet 314D 230mm x 280mm P400	115
62897	3M Cloth Sheet 314D 230mm x 280mm P240	115
62899	3M Cloth Sheet 314D 230mm x 280mm P180	115
62900	3M Cloth Sheet 314D 230mm x 280mm P150	115
62901	3M Cloth Sheet 314D 230mm x 280mm P120	115
62902	3M Cloth Sheet 314D 230mm x 280mm P100	115
62903	3M Cloth Sheet 314D 230mm x 280mm P80	115
62904	3M Cloth Sheet 314D 230mm x 280mm P60	115
62905	3M Cloth Sheet 314D 230mm x 280mm P50	115
62906	3M Cloth Sheet 314D 230mm x 280mm P40	115
62907	3M Cloth Sheet 314D 230mm x 280mm P320	115
62918	3M Inox Cut Off Wheel 180mm x 2mm x 22mm	69
62919	3M Inox Cut Off Wheel 180mm x 2.5mm x 22mm	69
62920	3M Inox Cut Off Wheel 230mm x 2mm x 22mm	69
62921	3M Inox Cut Off Wheel 230mm x 2.5mm x 22mm	69
62922	3M Inox Cut Off Wheel 230mm x 3.2mm x 22mm	69
62965	Scotch-Brite Bristle Disc BB-ZS Type C 50mm x 6 discs x 6mm shaft P80	61
62966	Scotch-Brite Bristle Disc BB-ZS Type C 50mm x 6 discs x 6mm shaft P120	61
62967	Scotch-Brite Bristle Disc BB-ZS Type C 50mm x 6 discs x 6mm shaft P220	61
62968	Scotch-Brite Bristle Disc BB-ZS Type C 75mm x 6 discs x 6mm shaft P80	61
62969	Scotch-Brite Bristle Disc BB-ZS Type C 75mm x 6 discs x 6mm shaft P120	61
62970	Scotch-Brite Bristle Disc BB-ZS Type C 75mm x 6 discs x 6mm shaft P220	61
62971	3M Hookit Disc 338U 76mm 3 Hole P80	29
62973	3M Hookit Disc 338U 76mm 3 Hole P120	29
62975	3M Hookit Disc 338U 76mm 3 Hole P180	29
62976	3M Hookit Disc 338U 76mm 3 Hole P220	29
62977	3M Hookit Disc 338U 76mm 3 Hole P240	29
62978	3M Hookit Disc 338U 76mm 3 Hole P280	29
62979	3M Hookit Disc 338U 76mm 3 Hole P320	29
62982	3M Hookit Disc 338U 76mm 3 Hole P500	29
62983	3M Hookit Paper Sheet 338U 76mm x 102mm 4 Hole P80	114
62984	3M Hookit Paper Sheet 338U 76mm x 102mm 4 Hole P100	114
62985	3M Hookit Paper Sheet 338U 76mm x 102mm 4 Hole P120	114
62987	3M Hookit Paper Sheet 338U 76mm x 102mm 4 Hole P180	114
62988	3M Hookit Paper Sheet 338U 76mm x 102mm 4 Hole P220	114
62989	3M Hookit Paper Sheet 338U 76mm x 102mm 4 Hole P240	114
62990	3M Hookit Paper Sheet 338U 76mm x 102mm 4 Hole P280	114

# Part Number Index

# Part Number Index

PART NO	DESCRIPTION	PAGE
62991	3M Hookit Paper Sheet 338U 76mm x 102mm 4 Hole P320	114
62993	3M Hookit Paper Sheet 338U 76mm x 102mm 4 Hole P400	114
62994	3M Hookit Paper Sheet 338U 76mm x 102mm 4 Hole P500	114
62996	3M Hookit Paper Sheet 245 76mm x 102mm 4 Hole P40	112
62997	3M Hookit Paper Sheet 245 76mm x 102mm 4 Hole P60	112
63102	3M Green Corps Cut Off Wheel 76mm x 1.3mm x 9.5mm	68
63104	3M Green Corps Cut Off Wheel 105mm x 1.5mm x 9.5mm	68
63105	3M Green Corps Cut Off Wheel 105mm x 2mm x 9.5mm	68
63374	3M Air-Powered Mini Random Orbital Sander 32mm (5mm orbit)	140
63397	3M Stikit Disc 338U 125mm Plain P80	30
63398	3M Stikit Disc 338U 125mm Plain P120	30
63399	3M Stikit Disc 338U 125mm Plain P180	30
63400	3M Stikit Disc 338U 125mm Plain P240	30
63401	3M Stikit Disc 338U 125mm Plain P320	30
63404	3M Stikit Disc 338U 125mm 5 Hole P80	30
63407	3M Stikit Disc 338U 125mm 5 Hole P180	30
63408	3M Stikit Disc 338U 125mm 5 Hole P240	30
63411	3M Stikit Disc 338U 150mm Plain P80	30
63412	3M Stikit Disc 338U 150mm Plain P100	30
63413	3M Stikit Disc 338U 150mm Plain P120	30
63414	3M Stikit Disc 338U 150mm Plain P150	30
63415	3M Stikit Disc 338U 150mm Plain P180	30
63416	3M Stikit Disc 338U 150mm Plain P220	30
63417	3M Stikit Disc 338U 150mm Plain P240	30
63419	3M Stikit Disc 338U 150mm Plain P320	30
63420	3M Stikit Disc 338U 150mm Plain P360	30
63421	3M Stikit Disc 338U 150mm Plain P400	30
63422	3M Stikit Disc 338U 150mm Plain P500	30
63423	3M Stikit Disc 338U 150mm 6 Hole P80	30
63424	3M Stikit Disc 338U 150mm 6 Hole P100	30
63425	3M Stikit Disc 338U 150mm 6 Hole P120	30
63427	3M Stikit Disc 338U 150mm 6 Hole P180	30
63428	3M Stikit Disc 338U 150mm 6 Hole P220	30
63429	3M Stikit Disc 338U 150mm 6 Hole P240	30
63431	3M Stikit Disc 338U 150mm 6 Hole P320	30
63433	3M Stikit Disc 338U 150mm 6 Hole P400	30
63499	3M Hookit Purple Clean Sanding Disc 734U 150mm P80	26
63500	3M Hookit Purple Clean Sanding Disc 734U 150mm P120	26
63502	3M Hookit Purple Clean Sanding Disc 734U 150mm P180	26
63503	3M Hookit Purple Clean Sanding Disc 334U 150mm P220	26
63504	3M Hookit Purple Clean Sanding Disc 334U 150mm P240	26
63505	3M Hookit Purple Clean Sanding Disc 334U 150mm P280	26
63506	3M Hookit Purple Clean Sanding Disc 334U 150mm P320	26
63507	3M Hookit Purple Clean Sanding Disc 334U 150mm P360	26
63508	3M Hookit Purple Clean Sanding Disc 334U 150mm P400	26
63509	3M Hookit Purple Clean Sanding Disc 334U 150mm P500	26
64381	3M Electric Random Orbital Sander (Central/Self Generated Vacuum) 150mm (5mm orbit) 240V	139
64382	3M Electric Random Orbital Sander (Central/Self Generated Vacuum) 150mm (5mm orbit) 110V	139
64385	3M Electric Random Orbital Sander (Central/Self Generated Vacuum) 150mm (3mm orbit) 240V	139
64386	3M Electric Random Orbital Sander (Central/Self Generated Vacuum) 150mm (3mm orbit) 110V	139
64393	3M Electric Polisher 200mm 240V	143
64394	3M Electric Polisher 200mm 110V	143
64397	3M Portable Dust Extraction Unit 25 litre L 240V	137
64401	3M Portable Dust Extraction Unit 25 litre M 240V	137

PART NO	DESCRIPTION	PAGE
64405	3M Portable Dust Extraction Unit 50 litre L 240V	137
64409	3M Portable Dust Extraction Unit 50 litre M 240V	137
64466	3M Hookit Disc 338U 150mm Plain P40	29
64467	3M Hookit Disc 338U 150mm Plain P60	29
64468	3M Hookit Disc 338U 150mm 6 Hole P40	29
64469	3M Hookit Disc 338U 150mm 6 Hole P60	29
64475	3M Shaft Mounted Flap Wheels 339 30mm x 10mm x 6mm P40	79
64476	3M Shaft Mounted Flap Wheels 339 30mm x 10mm x 6mm P60	79
64477	3M Shaft Mounted Flap Wheels 339 30mm x 10mm x 6mm P80	79
64478	3M Shaft Mounted Flap Wheels 339 30mm x 10mm x 6mm P120	79
64479	3M Shaft Mounted Flap Wheels 339 30mm x 10mm x 6mm P150	79
64480	3M Shaft Mounted Flap Wheels 339 30mm x 10mm x 6mm P180	79
64481	3M Shaft Mounted Flap Wheels 339 30mm x 10mm x 6mm P240	79
64482	3M Shaft Mounted Flap Wheels 339 30mm x 15mm x 6mm P40	79
64483	3M Shaft Mounted Flap Wheels 339 30mm x 15mm x 6mm P60	79
64484	3M Shaft Mounted Flap Wheels 339 30mm x 15mm x 6mm P80	79
64485	3M Shaft Mounted Flap Wheels 339 30mm x 15mm x 6mm P120	79
64486	3M Shaft Mounted Flap Wheels 339 40mm x 20mm x 6mm P40	79
64487	3M Shaft Mounted Flap Wheels 339 40mm x 20mm x 6mm P60	79
64488	3M Shaft Mounted Flap Wheels 339 40mm x 20mm x 6mm P80	79
64489	3M Shaft Mounted Flap Wheels 339 40mm x 20mm x 6mm P120	79
64490	3M Shaft Mounted Flap Wheels 339 40mm x 20mm x 6mm P150	79
64491	3M Shaft Mounted Flap Wheels 339 40mm x 20mm x 6mm P180	79
64492	3M Shaft Mounted Flap Wheels 339 40mm x 20mm x 6mm P240	79
64493	3M Shaft Mounted Flap Wheels 339 50mm x 10mm x 6mm P40	79
64494	3M Shaft Mounted Flap Wheels 339 50mm x 10mm x 6mm P60	79
64495	3M Shaft Mounted Flap Wheels 339 50mm x 10mm x 6mm P80	79
64496	3M Shaft Mounted Flap Wheels 339 50mm x 10mm x 6mm P120	79
64497	3M Shaft Mounted Flap Wheels 339 50mm x 10mm x 6mm P150	79
64498	3M Shaft Mounted Flap Wheels 339 50mm x 20mm x 6mm P240	79
64499	3M Shaft Mounted Flap Wheels 339 50mm x 20mm x 6mm P40	79
64500	3M Shaft Mounted Flap Wheels 339 50mm x 20mm x 6mm P60	79
64501	3M Shaft Mounted Flap Wheels 339 50mm x 20mm x 6mm P80	79
64502	3M Shaft Mounted Flap Wheels 339 50mm x 20mm x 6mm P120	79
64503	3M Shaft Mounted Flap Wheels 339 60mm x 15mm x 6mm P40	79
64504	3M Shaft Mounted Flap Wheels 339 60mm x 15mm x 6mm P60	79
64505	3M Shaft Mounted Flap Wheels 339 60mm x 15mm x 6mm P80	79
64506	3M Shaft Mounted Flap Wheels 339 60mm x 15mm x 6mm P120	79
64507	3M Shaft Mounted Flap Wheels 339 60mm x 30mm x 6mm P40	79
64508	3M Shaft Mounted Flap Wheels 339 60mm x 30mm x 6mm P60	79
64509	3M Shaft Mounted Flap Wheels 339 60mm x 30mm x 6mm P80	79
64510	3M Shaft Mounted Flap Wheels 339 60mm x 30mm x 6mm P120	79
64511	3M Shaft Mounted Flap Wheels 339 60mm x 30mm x 6mm P150	79
64512	3M Shaft Mounted Flap Wheels 339 60mm x 30mm x 6mm P180	79
64513	3M Shaft Mounted Flap Wheels 339 60mm x 30mm x 6mm P240	79
64514	3M Shaft Mounted Flap Wheels 339 60mm x 30mm x 6mm P320	79
64515	3M Shaft Mounted Flap Wheels 339 80mm x 30mm x 6mm P40	79
64516	3M Shaft Mounted Flap Wheels 339 80mm x 30mm x 6mm P60	79
64517	3M Shaft Mounted Flap Wheels 339 80mm x 30mm x 6mm P80	79
64518	3M Shaft Mounted Flap Wheels 339 80mm x 30mm x 6mm P120	79
64519	3M Shaft Mounted Flap Wheels 339 80mm x 30mm x 6mm P240	79
64520	3M Shaft Mounted Flap Wheels 339 80mm x 30mm x 6mm P320	79
64521	3M Shaft Mounted Flap Wheels 339 80mm x 50mm x 60mm P40	79
64522	3M Shaft Mounted Flap Wheels 339 80mm x 50mm x 60mm P60	79

# Part Number Index

# Part Number Index

PART NO	DESCRIPTION	PAGE
64523	3M Shaft Mounted Flap Wheels 339 80mm x 50mm x 60mm P80	79
64524	3M Shaft Mounted Flap Wheels 339 80mm x 50mm x 60mm P120	79
64525	3M Shaft Mounted Flap Wheels 339 80mm x 50mm x 60mm P150	79
64526	3M Shaft Mounted Flap Wheels 339 80mm x 50mm x 60mm P180	79
64527	3M Shaft Mounted Flap Wheels 339 80mm x 50mm x 60mm P240	79
65306	3M Diamond Hand Lap 6200J 90mm x 55mm N40	106
65307	3M Diamond Hand Lap 6200J 90mm x 55mm N74	106
65316	3M Professional Diamond Whetstone 6223J 150mm x 50mm N20	107
65320	3M Professional Diamond Whetstone 6223J 150mm x 50mm N40	107
65321	3M Professional Diamond Whetstone 6223J 150mm x 50mm N74	107
68010	3M Inox Cut Off Wheel 115mm x 1mm x 22mm	69
68011	3M Inox Cut Off Wheel 125mm x 1mm x 22mm	69
68023	3M Hi-Flex Sponge 95mm x 123mm x 12.5mm Medium	104
76433	3M Roloc Cloth Disc 777F 50mm P60	40
76622	3M Roloc Cloth Disc 777F 25mm P36	40
76623	3M Roloc Cloth Disc 777F 25mm P50	40
76624	3M Roloc Cloth Disc 777F 25mm P60	40
76625	3M Roloc Cloth Disc 777F 25mm P80	40
76626	3M Roloc Cloth Disc 777F 38mm P36	40
76628	3M Roloc Cloth Disc 777F 38mm P60	40
76629	3M Roloc Cloth Disc 777F 50mm P36	40
76630	3M Roloc Cloth Disc 777F 50mm P50	40
76631	3M Roloc Cloth Disc 777F 75mm P36	40
76632	3M Roloc Cloth Disc 777F 75mm P75	40
76633	3M Roloc Cloth Disc 777F 75mm P60	40
76634	3M Roloc Cloth Disc 777F 75mm P80	40
76974	3M Microfinishing Film Self-Adhesive (PSA) Disc 268L 127mm Plain 40µ	32
76975	3M Microfinishing Film Self-Adhesive (PSA) Disc 268L 127mm Plain 30µ	32
76977	3M Microfinishing Film Self-Adhesive (PSA) Disc 268L 127mm Plain 15µ	32
80205	3M Microfinishing Film Self-Adhesive (PSA) Disc 268L 127mm Plain 100µ	32
80786	3M Cubitron Cartridge Roll 747D/TAP 13mm x 38mm x 3.17mm P60	80
80787	3M Cubitron Cartridge Roll 747D/TAP 13mm x 38mm x 3.17mm P80	80
80788	3M Cubitron Cartridge Roll 747D/TAP 13mm x 38mm x 3.17mm P120	80
80796	3M Cubitron Cartridge Roll 747D 13mm x 38mm x 3.17mm P80	80
82455	3M Roloc Threaded Shaft 6mm	57
84993	3M Roloc Rubber Back-Up Pad 75mm x M14-2.0 Extra Hard	57
84994	3M Roloc Rubber Back-Up Pad 75mm x M14-2.0 Soft	57
84998	3M Roloc Rubber Back-Up Pad 75mm x M14-2.0 Hard	57
84999	3M Roloc Rubber Back-Up Pad 75mm x M14-2.0 Medium	57
85000	3M Roloc Rubber Back-Up Pad 75mm x M10-1.5 Hard	57
85005	3M Mandrel 936M 50mm x 6mm x 19mm	87
85076	3M Mandrel 992M	87
85882	3M Roloc Fibre Disc 785C 75mm P24	39
85883	3M Roloc Fibre Disc 785C 75mm P36	39
85884	3M Roloc Fibre Disc 785C 75mm P50	39
85885	3M Roloc Fibre Disc 785C 75mm P60	39
85886	3M Roloc Fibre Disc 785C 75mm P80	39
85887	3M Roloc Fibre Disc 785C 75mm P100	39
85888	3M Roloc Fibre Disc 785C 75mm P120	39
88749	3M Cartridge Roll Mandrel 6mm Black	80, 87
93039	Scotch-Brite EX3 Deburring Wheel X3-WL 200mm x 50.8mm x 76.2mm 9SFN	70
93363	Scotch-Brite Finishing Wheel FS-WL 152mm x 25.4mm x 25.4mm 5ACRS	72
93366	Scotch-Brite Finishing Wheel FS-WL 203mm x 50.8mm x 76.2mm 5ACRS	72
93367	Scotch-Brite Finishing Wheel FS-WL 152mm x 25.4mm x 25.4mm 5AMED	72

PART NO	DESCRIPTION	PAGE
93370	Scotch-Brite Finishing Wheel FS-WL 203mm x 50.8mm x 76.2mm 5AMED	72
128020	3M Microfinishing Film Self-Adhesive (PSA) Spot Repair Disc 268L 36.51mm (scalloped) 7µ	32
138658	Scotch-Brite Cut & Polish Flap Brush CP-FB 200mm x 50mm x 76.2mm	81
170935	3M Roloc Cloth Disc 777F 50mm P180	40
190225	3M Trizact PSA Disc 268XA 125mm x 16mm Ungraded	34
190227	3M Trizact PSA Disc 268XA 125mm x 16mm A10	34
190228	3M Trizact PSA Disc 268XA 125mm x 16mm A5	34
190229	3M Trizact PSA Disc 268XA 125mm x 16mm A35	34
232776	Scotch-Brite Clean & Finish Roll CF-RL 100mm x 10m SULFN	128
249846	3M Roloc Cloth Disc 777F 75mm P180	40
250324	3M Trizact Disc for Solid Surface Finishing 268XA 150mm A5	34
250325	3M Trizact Disc for Solid Surface Finishing 268XA 150mm A10	34
250326	3M Trizact Disc for Solid Surface Finishing 268XA 150mm A35	34
269795	3M Trizact Disc for Solid Surface Finishing 568XA 150mm Ungraded	34
269798	3M Trizact PSA Disc 268XA 150mm x 16mm A5	34
269799	3M Trizact PSA Disc 268XA 150mm x 16mm A10	34
269800	3M Trizact PSA Disc 268XA 150mm x 16mm A35	34
277164	Scotch-Brite Multi-Flex Sheets MX-SR 100mm x 200mm SULFN	102
325310	3M Mandrel 990M	64, 87
365163	Scotch-Brite Clean & Finish Flap Brush CF-FB 200mm x 50mm x 76.2mm 5AFIN	82
373032	Scotch-Brite Clean & Finish Flap Brush CF-FB 200mm x 50mm x 76.2mm 7AFIN	82
405659	Scotch-Brite Cut & Polish Flap Brush CP-FB 200mm x 25mm x 76.2mm	81
408207	Scotch-Brite Surface Conditioning Disc Centre Pin System (Hookit Backed) SC-DH 100mm x 16mm AMED	20
421223	Scotch-Brite Surface Conditioning Disc Centre Pin System (Hookit Backed) SC-DH 100mm x 16mm AVFN	20
430399	Scotch-Brite Surface Conditioning Disc Centre Pin System (Hookit Backed) SC-DH 100mm x 16mm ACRS	20
444653	Scotch-Brite Surface Conditioning Disc Centre Pin System (Hookit Backed) SC-DH 100mm x 16mm HD	20
444654	Scotch-Brite Surface Conditioning Disc Centre Pin System (Hookit Backed) SC-DH 100mm x 16mm SD	20
445211	Scotch-Brite Surface Conditioning Disc Centre Pin System (Hookit Backed) SC-DH 178mm x 22mm HD	20
445219	Scotch-Brite Surface Conditioning Disc Centre Pin System (Hookit Backed) SC-DH 178mm x 22mm SD	20
445223	Scotch-Brite Surface Conditioning Disc Centre Pin System (Hookit Backed) SC-DH 115mm x 22mm HD	20
450343	Scotch-Brite Surface Conditioning Disc Centre Pin System (Hookit Backed) SC-DH 115mm x 22mm SD	20
451664	Scotch-Brite Clean & Finish Flap Brush CF-FB 150mm x 50mm x 50.8mm 5AVFN	82
455987	Scotch-Brite Moulded DLO Wheel XR-WM 203mm x 13mm x 76.2mm HA240	73
481843	3M Finesse-it Kit (Inc Abrasives & Compounds)	143
507317	3M Paper Roll 255P 115mm x 50m P80	123
507318	3M Paper Roll 255P 115mm x 50m P100	123
507320	3M Paper Roll 255P 115mm x 50m P120	123
507321	3M Paper Roll 255P 115mm x 50m P150	123
507322	3M Paper Roll 255P 115mm x 50m P180	123
507323	3M Paper Roll 255P 115mm x 50m P220	123
507324	3M Paper Roll 255P 115mm x 50m P240	123
507325	3M Paper Roll 255P 115mm x 50m P280	123
507326	3M Paper Roll 255P 115mm x 50m P320	123
507328	3M Paper Roll 255P 115mm x 50m P400	123
533218	3M Stikit Disc 338U 125mm 5 Hole P500	30
533219	3M Stikit Disc 338U 125mm Plain P500	30
533220	3M Stikit Disc 338U 125mm 5 Hole P400	30
533228	3M Stikit Disc 338U 125mm 5 Hole P150	30
533700	3M Stikit Disc 338U 150mm 6 Hole P360	30
533701	3M Stikit Disc 338U 150mm 6 Hole P280	30
533715	3M Stikit Disc 338U 150mm 6 Hole P150	30
533721	3M Stikit Disc 338U 150mm 6 Hole P500	30
577620	3M Roloc Cloth Disc 361F 75mm P180	41
03630X	3M Hookit Paper Sheet 255P 115mm x 225mm 10 Hole P360	113



# Part Number Index

# Part Number Index

PART NO	DESCRIPTION	PAGE
62858A	3M Cloth Roll 314D 25mm x 25m P50	124
62859A	3M Cloth Roll 314D 25mm x 25m P60	124
62864A	3M Cloth Roll 314D 25mm x 25m P180	124
62872A	3M Cloth Roll 314D 38mm x 25m P60	124
62972A	3M Hookit Disc 338U 76mm 3 Hole P100	29
62974A	3M Hookit Disc 338U 76mm 3 Hole P150	29
62981A	3M Hookit Disc 338U 76mm 3 Hole P400	29
62986A	3M Hookit Paper Sheet 338U 76mm x 102mm 4 Hole P150	114
85001R	3M Roloc Rubber Back-Up Pad 75mm x M10-1.5 Medium	57
A00318	3M Hookit Disc 255P 150mm 6 Hole P500	27
A00319	3M Hookit Disc 255P 150mm 6 Hole P400	27
A00320	3M Hookit Disc 255P 150mm 6 Hole P360	27
A00321	3M Hookit Disc 255P 150mm 6 Hole P320	27
A00322	3M Hookit Disc 255P 150mm 6 Hole P280	27
A00323	3M Hookit Disc 255P 150mm 6 Hole P240	27
A00324	3M Hookit Disc 255P 150mm 6 Hole P220	27
A00325	3M Hookit Disc 255P 150mm 6 Hole P180	27
A00326	3M Hookit Disc 255P 150mm 6 Hole P150	27
A00327	3M Hookit Disc 255P 150mm 6 Hole P120	27
A00328	3M Hookit Disc 255P 150mm 6 Hole P100	27
A00329	3M Hookit Disc 255P 150mm 6 Hole P80	27
A00330	3M Hookit Disc 255P 150mm Plain P500	27
A00331	3M Hookit Disc 255P 150mm Plain P400	27
A00332	3M Hookit Disc 255P 150mm Plain P360	27
A00333	3M Hookit Disc 255P 150mm Plain P320	27
A00334	3M Hookit Disc 255P 150mm Plain P280	27
A00335	3M Hookit Disc 255P 150mm Plain P240	27
A00336	3M Hookit Disc 255P 150mm Plain P220	27
A00337	3M Hookit Disc 255P 150mm Plain P180	27
A00338	3M Hookit Disc 255P 150mm Plain P150	27
A00339	3M Hookit Disc 255P 150mm Plain P120	27
A00340	3M Hookit Disc 255P 150mm Plain P100	27
A00341	3M Hookit Disc 255P 150mm Plain P80	27
A00433	3M Stikit Disc 245 125mm Plain P120	28
A00435	3M Stikit Disc 245 125mm Plain P80	28
A00436	3M Stikit Disc 245 125mm Plain P60	28
A00437	3M Stikit Disc 245 125mm Plain P40	28
A00438	3M Stikit Disc 245 125mm 5 Hole P120	28
A00440	3M Stikit Disc 245 125mm 5 Hole P80	28
A00441	3M Stikit Disc 245 125mm 5 Hole P60	28
A00442	3M Stikit Disc 245 125mm 5 Hole P40	28
A00541	3M Hookit Disc 245 125mm 5 Hole P120	28
A00543	3M Hookit Disc 245 125mm 5 Hole P80	28
A00544	3M Hookit Disc 245 125mm 5 Hole P60	28
A00545	3M Hookit Disc 245 125mm 5 Hole P40	28
A00757	3M Stikit Disc 245 150mm Plain P100	28
A00759	3M Stikit Disc 245 150mm 6 Hole P120	28
A01645	3M Hookit Disc 245 150mm Plain P120	28
A01646	3M Hookit Disc 245 150mm Plain P100	28
A01647	3M Hookit Disc 245 150mm Plain P80	28
A01648	3M Hookit Disc 245 150mm Plain P60	28
A01649	3M Hookit Disc 245 150mm Plain P40	28
A01687	3M Hookit Disc 245 150mm 6 Hole P120	28
A01688	3M Hookit Disc 245 150mm 6 Hole P100	28

PART NO	DESCRIPTION	PAGE
A01689	3M Hookit Disc 245 150mm 6 Hole P80	28
A01690	3M Hookit Disc 245 150mm 6 Hole P60	28
A01691	3M Hookit Disc 245 150mm 6 Hole P40	28
A02005	3M Paper Sheet 734 230mm x 280mm P1200	117
A02006	3M Paper Sheet 734 230mm x 280mm P1000	117
A02007	3M Paper Sheet 734 230mm x 280mm P800	117
A02008	3M Paper Sheet 734 230mm x 280mm P600	117
A02009	3M Paper Sheet 734 230mm x 280mm P500	117
A02010	3M Paper Sheet 734 230mm x 280mm P400	117
A02011	3M Paper Sheet 734 230mm x 280mm P360	117
A02012	3M Paper Sheet 734 230mm x 280mm P320	117
A02013	3M Paper Sheet 734 230mm x 280mm P280	117
A02014	3M Paper Sheet 734 230mm x 280mm P240	117
A02015	3M Paper Sheet 734 230mm x 280mm P220	117
A02018	3M Paper Sheet 734 230mm x 280mm P180	117
A02019	3M Paper Sheet 734 230mm x 280mm P150	117
A02020	3M Paper Sheet 734 230mm x 280mm P120	117
A02021	3M Paper Sheet 734 230mm x 280mm P100	117
A02022	3M Paper Sheet 734 230mm x 280mm P80	117
A02536	3M Paper Sheet 618 230mm x 280mm P500	118
A02556	3M Paper Sheet 618 230mm x 280mm P400	118
A02558	3M Paper Sheet 618 230mm x 280mm P320	118
A02559	3M Paper Sheet 618 230mm x 280mm P280	118
A02560	3M Paper Sheet 618 230mm x 280mm P240	118
A02561	3M Paper Sheet 618 230mm x 280mm P220	118
A02562	3M Paper Sheet 618 230mm x 280mm P180	118
A02563	3M Paper Sheet 618 230mm x 280mm P150	118
A02564	3M Paper Sheet 618 230mm x 280mm P120	118
A02631	3M Paper Sheet 618 230mm x 280mm P80	118
A03247	3M Hookit Paper Sheet 245 115mm x 225mm 10 Hole P80	112
A03248	3M Hookit Paper Sheet 245 115mm x 225mm 10 Hole P60	112
A03249	3M Hookit Paper Sheet 245 115mm x 225mm 10 Hole P40	112
A03628	3M Hookit Paper Sheet 255P 115mm x 225mm 10 Hole P400	113
A03636	3M Hookit Paper Sheet 255P 115mm x 225mm 10 Hole P150	113
A03637	3M Hookit Paper Sheet 255P 115mm x 225mm 10 Hole P120	113
A03639	3M Hookit Paper Sheet 255P 115mm x 225mm 10 Hole P80	113
A05810	Scotch-Brite Clean & Strip XT Purple Spindle Mounted Disc XT-ZS 200mm x 13mm x 8mm XCRS	23
A05811	Scotch-Brite Clean & Strip XT Purple Spindle Mounted Disc XT-ZS 75mm x 25mm x 6mm XCRS	23
A05812	Scotch-Brite Clean & Strip XT Purple Spindle Mounted Disc XT-ZS 100mm x 25mm x 6mm XCRS	23
A05813	Scotch-Brite Clean & Strip XT Purple Spindle Mounted Disc XT-ZS 200mm x 25mm x 8mm XCRS	23
A07521	Scotch-Brite Multi-Flex Sheets MX-SR 100mm x 200mm AVFN	102
A07903	Scotch-Brite Handpads Pre-Cut on a Roll CF-SR 115mm x 150mm AVFN	101
A07904	Scotch-Brite Handpads Pre-Cut on a Roll CF-SR 115mm x 150mm SULFN	101
A07933	Scotch-Brite Clean & Strip XT Purple Disc XT-DC 100mm x 13mm XCRS	23
A07934	Scotch-Brite Clean & Strip XT Purple Disc XT-DC 150mm x 13mm XCRS	23
A07935	Scotch-Brite Clean & Strip XT Purple Disc XT-DC 200mm x 13mm XCRS	23
A07947	3M Mandrel 900-6 6mm shaft	24, 87
A14063	Scotch-Brite EXL Mini-Bob XL-LW 25mm x 25mm x 4.84mm GAMED	75
A45096	3M Roloc Rubber Back-Up Pad 50mm x 6mm thread Hard	57
A60000	3M Hookit Disc 255P 125mm 5 Hole P500	27
A60222	3M Hookit Disc 245 125mm Plain P40	28
A60223	3M Hookit Disc 245 125mm Plain P60	28
A60224	3M Hookit Disc 245 125mm Plain P80	28
A60226	3M Hookit Disc 245 125mm Plain P120	28

# Part Number Index

PART NO	DESCRIPTION	PAGE
A60251	3M Hookit Disc 255P 125mm 5 Hole P150	27
A60252	3M Hookit Disc 255P 125mm 5 Hole P180	27
A60254	3M Hookit Disc 255P 125mm 5 Hole P240	27
A60256	3M Hookit Disc 255P 125mm 5 Hole P320	27
A60257	3M Hookit Disc 255P 125mm 5 Hole P400	27
A60292	3M Hookit Disc 255P 125mm Plain P150	27
A60294	3M Hookit Disc 255P 125mm Plain P220	27
A60295	3M Hookit Disc 255P 125mm Plain P240	27
A60298	3M Hookit Disc 255P 125mm Plain P400	27
A60299	3M Hookit Disc 255P 125mm Plain P500	27
A60638	3M Green Corps Flexible Grinding Discs 180mm x 3mm x 16mm P36	14
A61311	3M Euro Flange 76.2mm x 6mm x 12.7mm	87
A61767	Scotch-Brite Centre-Pin Back Up Pad 100mm M10 x 1.25	20
A62687	3M Hookit Disc 338U 125mm Plain P100	29
A62703	3M Hookit Disc 338U 125mm 5 Hole P220	29
A63113	3M Paper Sheet 255P 230mm x 280mm P80	116
A63114	3M Paper Sheet 255P 230mm x 280mm P100	116
A63115	3M Paper Sheet 255P 230mm x 280mm P120	116
A63116	3M Paper Sheet 255P 230mm x 280mm P150	116
A63117	3M Paper Sheet 255P 230mm x 280mm P180	116
A63118	3M Paper Sheet 255P 230mm x 280mm P220	116
A63119	3M Paper Sheet 255P 230mm x 280mm P240	116
A63120	3M Paper Sheet 255P 230mm x 280mm P280	116
A63121	3M Paper Sheet 255P 230mm x 280mm P320	116
A63122	3M Paper Sheet 255P 230mm x 280mm P360	116
A63123	3M Paper Sheet 255P 230mm x 280mm P400	116
A63124	3M Paper Sheet 255P 230mm x 280mm P500	116
A63501	3M Hookit Purple Clean Sanding Disc 734U 150mm P150	26
HOLD961	3M Handpad Holder 8mm	102, 128
STSTCAN	3M Stainless Steel Cleaner & Polish 600g	109, 128

## CONDITIONS OF SALE OF GOODS AND SERVICES

### 1. Application

1.1 These conditions apply to all contracts between the Seller and the Buyer referred to in the order and override all conditions stipulated by the Buyer (even if submitted in a later document); any other agreements between the parties relating to the subject matter of this order are terminated (except an agreement into which these conditions are incorporated).

1.2 No variation of these conditions is permitted unless agreed in writing by a director of the Seller.

### 2. Price

2.1 The price to be paid for the goods or the services will be the Seller's price at the date when the goods are despatched or the services are provided.

2.2 The price of goods includes the cost of Seller's standard packaging and delivery within the UK and Ireland by Seller's normal transportation; the price does not include VAT.

### 3. Payment

3.1 Payment for the goods or services must be made within thirty days of the date of the invoice, unless otherwise specified on the invoice.

3.2 The Seller reserves the right to charge interest on overdue sums at the rate of 4% per annum above the Base Rate for the time being of Lloyds Bank plc calculated on a daily basis from the due date of payment in Clause 3.1 until the date upon which payment is made.

3.3 The Seller may at any time require the Buyer to make payment in advance of delivery or require security for payment.

3.4 If the Buyer fails to make payment by the due date or when required, the Seller may (without prejudice to any other remedy which it may have) cancel this contract and/or any other contract between the Buyer and the Seller and/or suspend delivery under this or any other contract until payment is made.

3.5 The Buyer will have no statutory or other right of set off.

### 4. Delivery

4.1 Delivery dates are approximate only and the Seller shall not be responsible for any loss or damage arising from any delay in delivering all or part of any goods ordered or delay in the provision of any services.

4.2 Without prejudice to Clause 4.1, the Seller will not be liable for any delay in delivery or non-delivery of goods or services or any other breach of these conditions caused by any circumstances beyond the Seller's control including without limitation, any Act of God, explosion, fire, flood, war, hostilities, accident, delay in delivery or non-delivery by the Seller's suppliers, breakdowns or accidents to machinery, labour strike or dispute, order or decree of any court or action of any governmental authority, or any other causes or any circumstances beyond the Seller's control; on the occurrence of any of the above events the Seller reserves the right to cancel or suspend the whole or part of any delivery.

4.3 In the case of any order for goods of a type or description not normally held in stock by the Seller, and therefore specially made ordered or imported by the Seller to meet such order, the Buyer will accept goods 10% more or 10% less than ordered, the total price of the order being correspondingly adjusted.

### 5. Risk and Property

5.1 Goods supplied to the Buyer will remain the property of the Seller until full payment in cash or cleared funds has been received by the Seller for those goods and for all other goods delivered or services supplied by the Seller to the Buyer in respect of which payment is outstanding.

5.2 Until title to the goods passes to the Buyer:

5.2:1 The Buyer will hold those goods as the Seller's bailee.

5.2:2 The Buyer will protect, store and identify the goods by reasonable means so that they can be recognised as the property of the Seller.

5.2:3 The Buyer may use the goods or sell them in the ordinary course of its business.

5.2:4 If the Buyer is in breach of any of its obligations to the Seller, or the order or the contract for the supply of goods is cancelled or capable of being cancelled under Clause 8 below, and provided the goods are still in existence and have not been resold, the Seller may (a) by notice to the Buyer require redelivery to it of the goods; and/or (b) with or without previous notice, retake possession of the goods and sell the goods. For the purpose of this clause the Buyer irrevocably authorises the Seller's representatives to enter the premises on which the goods are situated and remove the goods at the Buyer's expense.

5.3 Risk in all goods supplied to the Buyer will pass to the Buyer on delivery.

### 6. Inspection

6.1 If the goods or any of them are damaged or lost while in the custody of a carrier, the Seller will (at its option) either replace such goods or refund to the Buyer the cost or price of them, but the Seller's liability in connection with any such goods will not exceed the cost of replacement of them or the price paid by the Buyer for them.

6.2 The Seller will not be under any liability under 6.1 above unless the following conditions are strictly complied with:

6.2:1 In the event of non-delivery of a whole consignment of goods the Buyer must inform the Seller in writing within ten days of the date of the invoice.

6.2:2 In the case of damage to goods or loss of part of a consignment, the consignment must be inspected in the presence of the carrier. If any goods are damaged or lost the consignment note must be endorsed accordingly and the Buyer must notify the Seller within forty-eight hours of delivery, such notification to be confirmed in writing within the following five days.

### 7. Liabilities and Warranties

7.1 Nothing in this clause will be deemed to exclude or restrict the Seller's liability for death or personal injury resulting from the Seller's negligence.

7.2 If any goods supplied or processed or any services supplied or provided by or on behalf of the Seller prove on inspection to be defective in material or workmanship, the Seller will (at its option) replace the same or refund to the Buyer the price of the goods or services.

7.3 The Buyer will determine the suitability of the goods for its intended use and will not rely upon any representations made by or on behalf of the Seller.

7.4 The Seller's liability under these conditions shall never exceed the cost of replacement or the price paid by the Buyer for the goods or services.

7.5 The Seller will not be liable for any consequential or indirect loss or damage (whether for loss of profit or otherwise) costs, expenses or other claims for consequential compensation whatsoever suffered by the Buyer whether this loss or damage arises from a breach of duty, in contract or in tort or in any other way (including loss or damage arising from the Seller's negligence).

7.6 Except as set out in these conditions, all warranties and conditions, whether express or implied, statutory or otherwise are excluded to the fullest extent permissible at law.

### 8. Termination

If there is appointed a Receiver, Administrator or Administrative Receiver of the Buyer's property or assets or any part of them, or a court order is made or a resolution is passed for the winding-up of the Buyer (except for the purpose of amalgamation or reconstruction) or if the Buyer commits any act of bankruptcy, or any bankruptcy petition is presented against the Buyer (or any analogous proceedings under the law of any country outside the United Kingdom are commenced), the Seller may by notice in writing to the Buyer cancel all orders and contracts between the Seller and the Buyer or any part of them remaining unfulfilled.

### 9. Jurisdiction

9.1 All contracts between the Seller and the Buyer where the goods are shipped to or services are provided in the Republic of Ireland shall be governed and construed in accordance with the Laws of the Republic of Ireland, and the Buyer agrees to submit to the jurisdiction of the Courts of law in the Republic of Ireland in respect of them.

9.2 Except as provided above, all contracts between the Seller and the Buyer shall be governed and construed in accordance with the Laws of England, and the Buyer agrees to submit to the jurisdiction of the Courts of law in England in respect of them.

Effective 1/7/1996







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