



# Smarter Performance with 3M technology

## 3M™ Customer Service



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**



Atherstone Customer Technical Centre

### 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



# 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:

Sections are colour-coded and tabbed for easy lookup

Product construction

Product benefits

Safety recommendations

Grinding Discs

**3M™ Green Corps™ Flexible Grinding Discs**

Mineral 3M™ Cubitron™  
Structure Resin bonded

Product and application pictures

Suitable materials and substrates

Typical applications

SKU data, including part number

Product family

Product name and code

Product and application pictures

Suitable materials and substrates

Typical applications

SKU data, including part number

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, de-bonding of flame-cut parts

Materials

- Metal

KIT DESCRIPTION	SIZE mm	GRADE	MASS (PPM)	UNITS PER INNER	UNITS PER OUTER	MOQ	PART NO.
20 discs plus 2 back-up pads	100 x 3 x 15	P36	15,000	1	10	10	60110
20 discs plus 2 back-up pads	115 x 3 x 22	P36	13,000	1	10	10	60600
20 discs plus 2 back-up pads	125 x 3 x 22	P36	12,000	1	10	10	60604
20 discs plus 2 back-up pads	180 x 3 x 22	P36	8000	1	5	5	60608

SIZE mm	USE WITH	MASS (PPM)	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	60602
115 x 22	140mm disc	8000	5	100	100	60603

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For more information on the right tool, see page XX

## 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)

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# The Future is Now.

**CUBITRON™ II**



## 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.

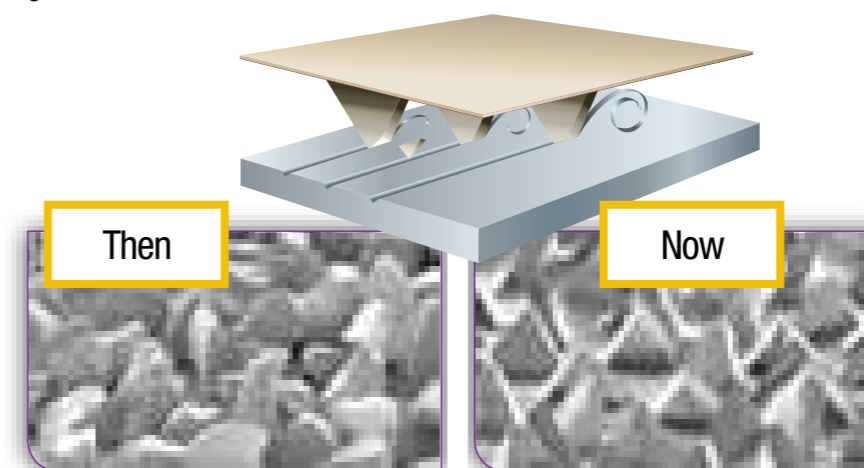
### Grade Comparison

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



Get  
more work  
done  
in less time

Cubitron II 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 discolouration. And, because the abrasive itself stays cooler and sharper, it lasts up to four times as long as conventional ceramic grain belts!



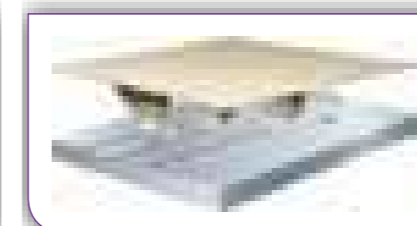
Triangular-shaped grain (right image) is electrostatically oriented to form sharp peaks, each acting like individual cutting tools that slice through metal, wear evenly and provide super-long life and consistency at any grinding pressure

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.



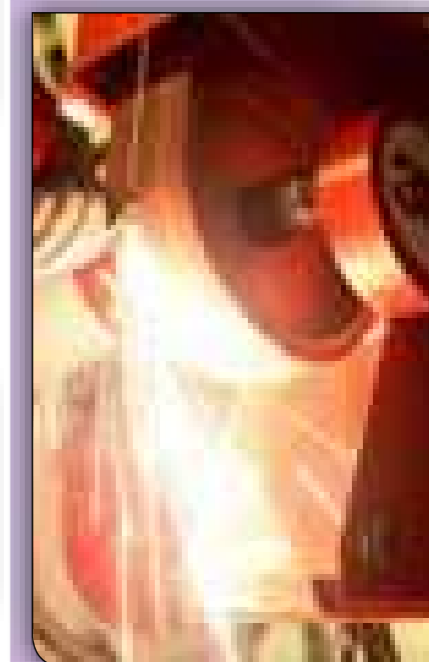
As the precision shaped grain wears, it continuously fractures to form sharp points and edges that results in a faster, cooler cutting action.

### 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

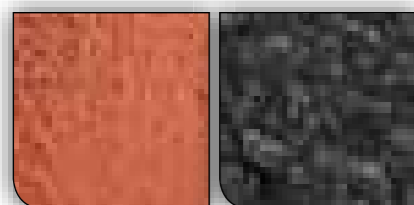
3M Trizact Structured Abrasives offer the ultimate solution for precision finishing work. Core to this technology are the micro- and macro-replicated coatings of precisely positioned structures on the backing: the continual exposure of fresh mineral ensures a consistent, even wear, ideal for achieving 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.



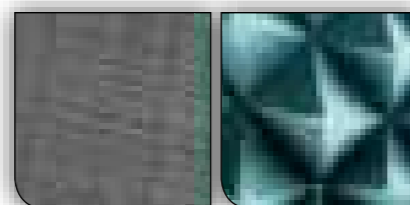
### Benefits

- 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

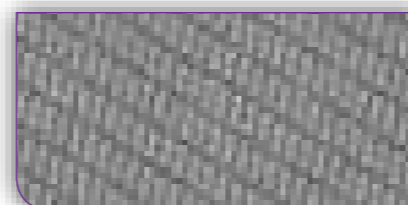
### Conventional — Trizact Microreplicated — Trizact Macroreplicated



Randomly arranged mineral; uneven wear and finish



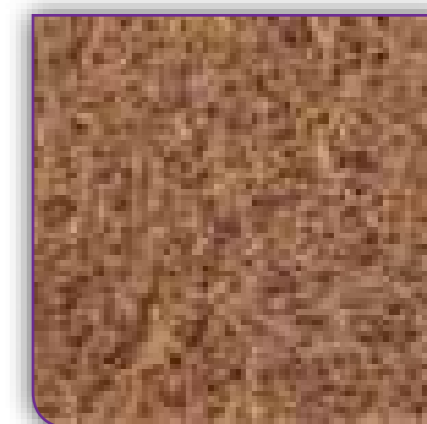
Tiny, 3D pyramids uniformly distributed over the surface; consistent performance, wear and extremely fine finishes



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

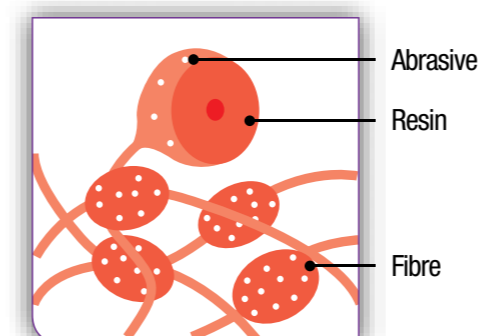
## Scotch-Brite™ Surface Conditioning Products

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.

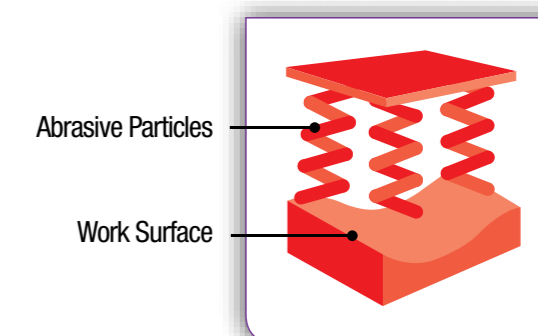


### Scotch-Brite Non-Woven Web Technology

#### 3D Open Web



#### Spring Action



- 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

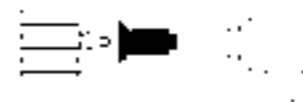
### 3M Roloc Quick Release System

- 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	XCRS	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

DISCS

**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

DISCS

ROLOC

BRISTLE

WHEELS

BELTS

HAND  
SANDING

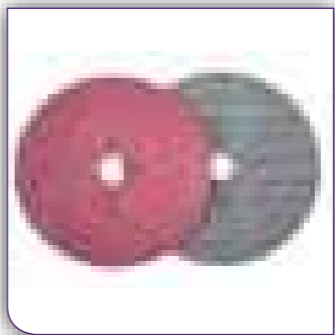
SHEETS

ROLLS

TOOLS

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**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

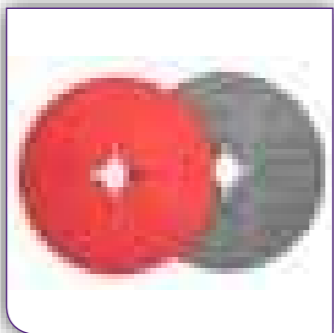
CUBITRON™ II

3M™ 987C

3M™ 985C

DISCS

- 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

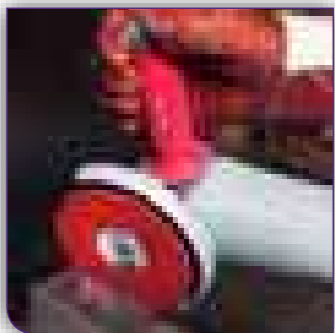


SIZE mm	GRADE	MOS (RPM)	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO.
100 x 16	36+	15,200	25	100	100	27772
100 x 16	60+	15,200	25	100	100	27773
100 x 16	80+	15,200	25	100	100	27774
115 x 22	36+	13,200	25	100	100	27619
115 x 22	60+	13,200	25	100	100	27645
115 x 22	80+	13,200	25	100	100	27649
127 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



DISCS

ROLOC

BRISTLE

WHEELS

BELTS

HAND  
SANDING

SHEETS

ROLLS

TOOLS

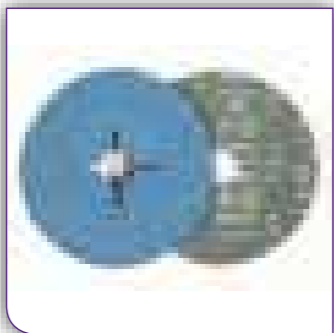
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3M™ 581C

3M™ 556D

DISCS

**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 work

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

DISCS

ROLOC

BRISTLE

WHEELS

BELTS

HAND  
SANDING

SHEETS

ROLLS

TOOLS

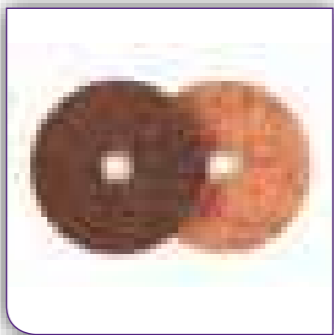
INDEX

Scotch-Brite™ Surface Conditioning Discs SC-DH

Scotch-Brite™ Surface Conditioning Discs SC-DB

DISCS

Mineral Aluminium oxide  
Backing Hook and loop



Benefits

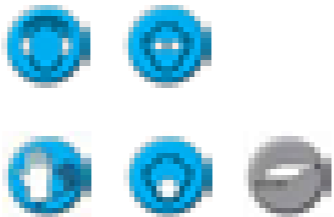
- Centre Pin system contributes to a reduction in hand-arm vibration and prevents fly off
- Ability to remove small weld whilst simultaneously blending and finishing

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

DISCS

ROLOC

BRISTLE

WHEELS

BELTS

HAND  
SANDING

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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

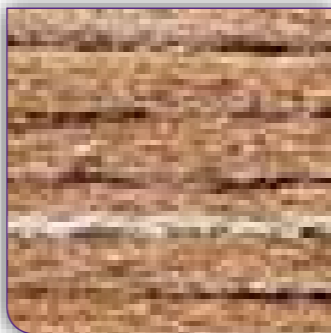
DESCRIPTION	SIZE	USE WITH	PADS PER INNER	PADS PER OUTER	MOQ	PART NO.
Flat Semi-Flexible Pad (for blending & finishing)	178mm x 5/8 Whit / M14 - 2.0	178mm fibre discs	5	5	5	09387
	127mm x M14 - 2.0	127mm fibre discs	10	10	10	09386
	115mm x M14 - 2.0	115mm fibre discs	5	5	5	07306
	100mm x M10 - 1.5	100mm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

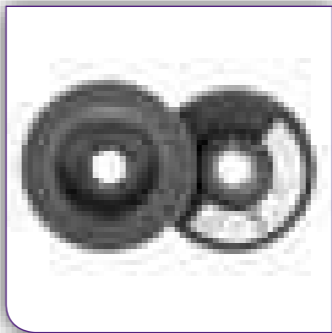
Materials

- 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  
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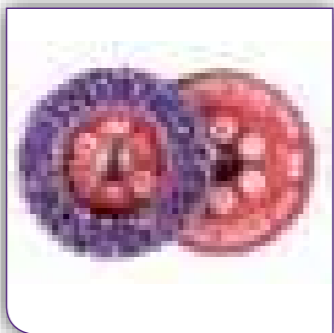
Scotch-Brite™ Clean & Strip XT Purple Discs

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

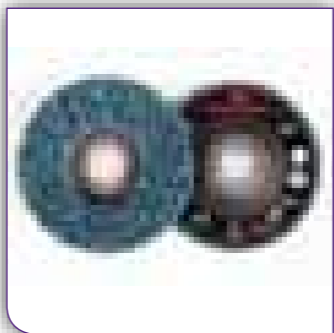
**XT-DC** Holed for use with a straight grinder  
**XT-ZS** Spindle mounted for easy fitting to a die grinder  
**XT-DB** Fibre-backed for use with an angle grinder  
**XT-RD** Rigid fibre glass backing, for use with an angle grinder



SIZE mm	GRADE	COLOUR	MOS (RPM)	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO.
XT-DC							
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							
XT-ZS							
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
XT-DB							
115 x 22	XCRS	Purple	10,000	10	10	10	05816
178 x 22	XCRS	Purple	6,500	10	10	10	05817
XT-RD							
115 x 22	XCRS	Purple	11,000	10	10	10	05818

**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

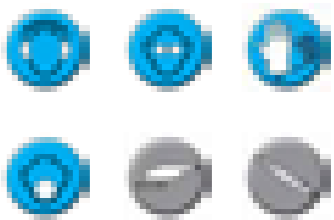
- Ideal for pre- and post-weld cleaning where more flexibility is required; rust, paint and coatings removal

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.
CG-DC							
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							
CG-ZS							
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
CG-DB							
115 x 22	XCRS	Blue	10,000	10	10	10	61172
CG-RD							
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

DISCS

ROLOC

BRISTLE

WHEELS

BELTS

HAND  
SANDING

SHEETS

ROLLS

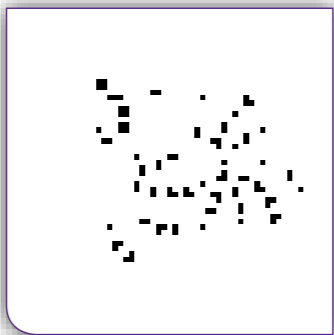
TOOLS

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3M™ Purple Clean Sanding Discs

DISCS

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



Benefits

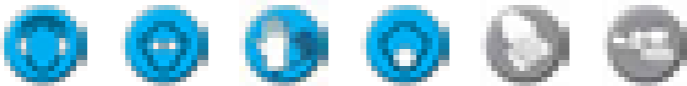
- Unique spiral design minimises loading and maximises cut rates
- Hole configuration provides optimum extraction
- Fast efficient changeover with no alignment necessary

Applications

- Paint removal and primer sanding

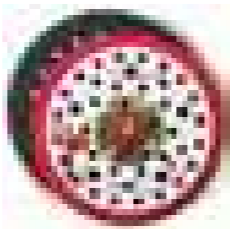
Materials

- 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



3M™ 255P

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



Benefits

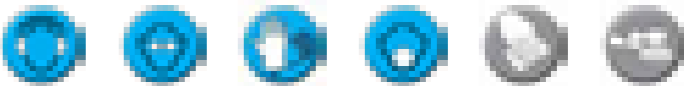
- C-weight paper backing gives good mineral support for longer product life and sustained cutting action
- Features enhanced anti-loading coating to extend product working life

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

DISCS

ROLOC

BRISTLE

WHEELS

BELTS

HAND  
SANDING

SHEETS

ROLLS

TOOLS

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3M™ 245

3M™ 338U

DISCS

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



Benefits

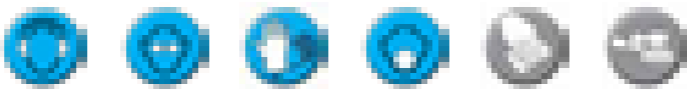
- Stiff E-weight paper gives a strong backing and long product life
- Resin bond resists heat to prevent premature “burning”

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

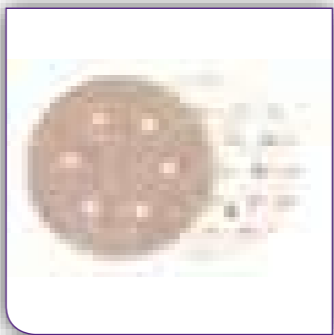
- Metal
- Paints
- Fillers
- Wood
- Plastics



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

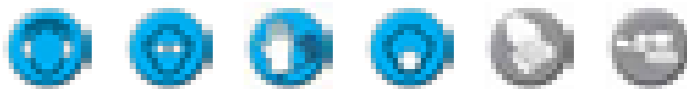
- Good performance and a consistent quality finish at an economical price. Range features coarse grades for stock removal through to fine grades for final finishing

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

DISCS

ROLOC

BRISTLE

WHEELS

BELTS

HAND  
SANDING

SHEETS

ROLLS

TOOLS

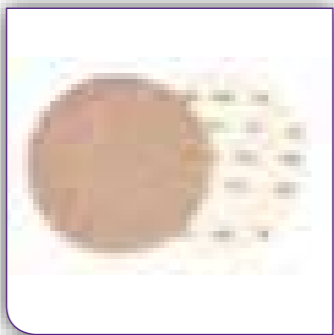
INDEX

3M™ 338U

3M™ 266L

DISCS

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



Benefits

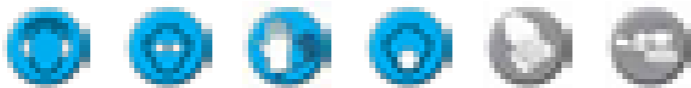
- Good performance and a consistent quality finish at an economical price. Range features coarse grades for stock removal through to fine grades for final finishing

Applications

- All general purpose sanding operations

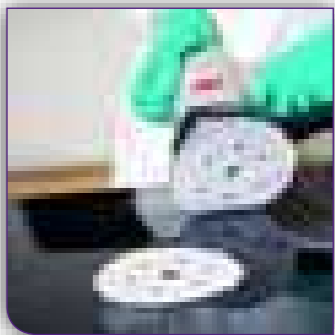
Materials

- 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

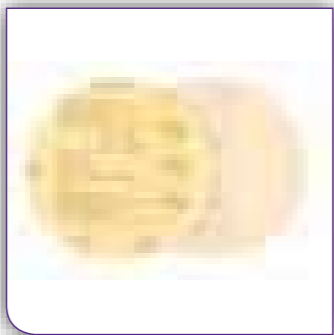
DISCS  
ROLOC  
BRISTLE  
WHEELS  
BELTS  
HAND  
SANDING  
SHEETS  
ROLLS  
TOOLS  
INDEX

3M™ 268L

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

DISCS

- 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

DISCS

ROLOC

BRISTLE

WHEELS

BELTS

HAND  
SANDING

SHEETS

ROLLS

TOOLS

INDEX

- 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.
Hookit II							
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
PSA							
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	—	—	—													
			6	—	—	—													
		SC	8	—	—	—													
			2	—	—	—													
CR-DR	44	SC	—	—	—	—													
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	—	—	—	—													
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

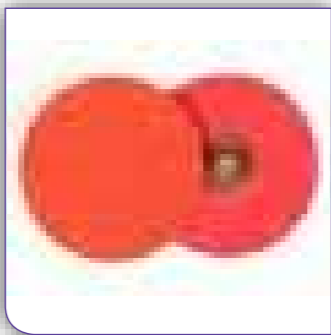
3M™ Roloc™ 977F DE

3M™ Roloc™ 785C

DISCS

ROLOC

- 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

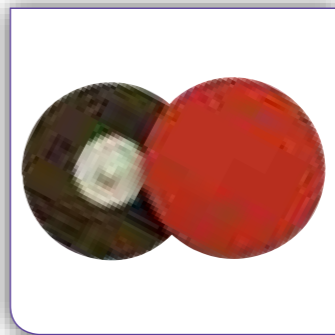
- All metals, especially stainless steel and exotic metals



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

ROLOC

BRISTLE

WHEELS

BELTS

HAND  
SANDING

SHEETS

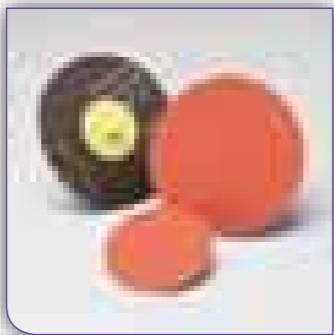
ROLLS

TOOLS

INDEX

3M™ Roloc™ 777F

- 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

3M™ Roloc™ 361F

- 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

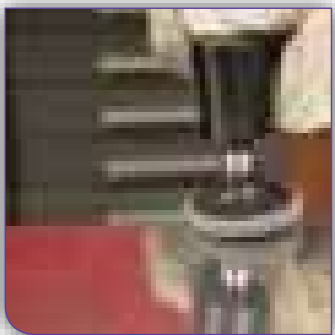
- All metals



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

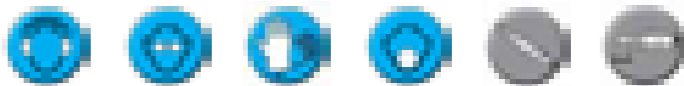
- Compressed, non-woven fibre construction gives a uniform grain distribution which will produce consistent results
- EXL material is extremely tough with an aggressive cutting action, for effective deburring of edges and corners without damaging the part
- Features the 3M Roloc Quick Release System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

Applications

- Deburring a range of metal parts

Materials

- All metals



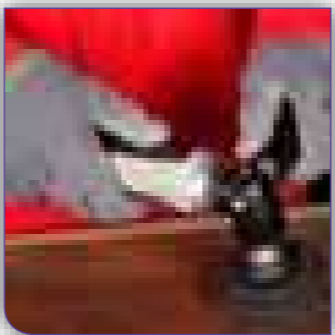
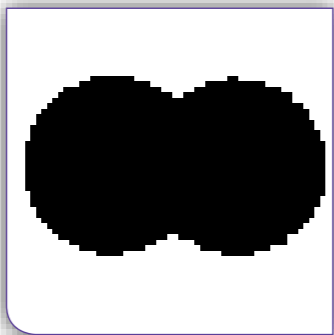
SIZE mm	USE WITH	GRADE	MOS (RPM)	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO.
50 x 6	Holder No. 1 or 3	2SFIN	22,100	15	60	60	17183
50 x 6	Holder No. 1 or 3	2AMED	22,100	15	60	60	17185
50 x 6	Holder No. 1 or 3	6AMED	22,100	15	60	60	17190
50 x 6	Holder No. 1 or 3	8AMED	22,100	15	60	60	17192
50 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

3M™ Roloc™ Bristle Disc RD-ZB

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



Benefits

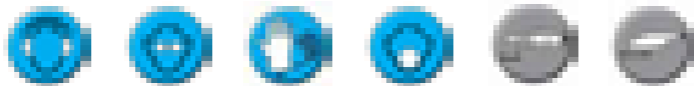
- Aggressive, coarse grained Scotch-Brite™ Clean & Strip material for rapid cleaning action
- Open structure resists loading and heat build-up
- Features the 3M Roloc Quick Release System for quick and easy disc change

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

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



Benefits

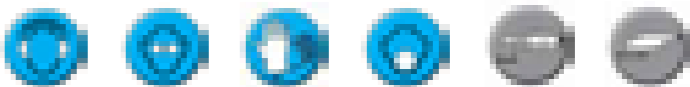
- Safe to use with minimal vibration and noise
- No loading combined with better surface conditioning
- Consistency in work, can be used until complete wear of the material
- Roloc Quick Release attachment system enables quick and easy disc change
- Can be run on a wide variety of angle grinders
- More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



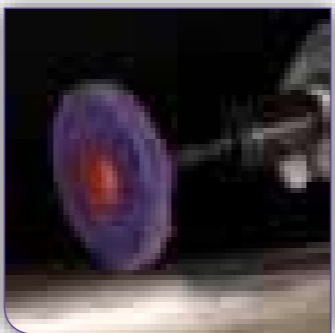
SIZE mm	USE WITH	GRADE	MOS (RPM)	WHEELS PER INNER	WHEELS PER OUTER	MOQ (wheels)	PART NO.
75 x 6 x 10	Holder No. 7	SXCRS	10,000	10	40	40	09749

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

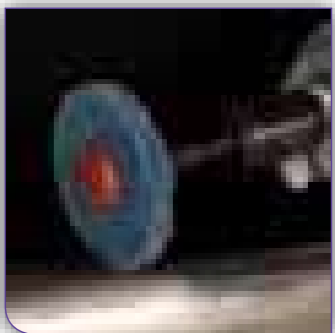
- Metal
- Corrosion
- Coatings



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)



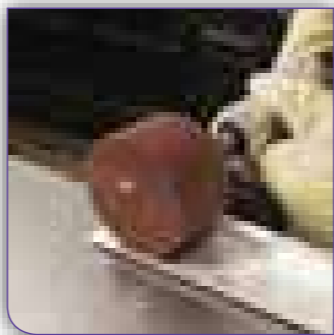
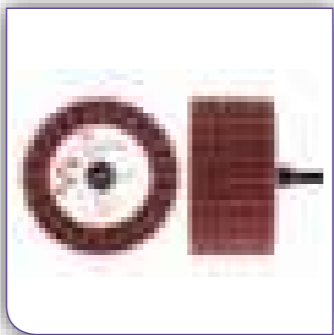
SIZE mm	USE WITH	GRADE	COLOUR	MOS (RPM)	DISCS PER INNER	DISCS PER OUTER	MOQ (discs)	PART NO.
100 x 13	Holder No. 1	XCRS	Blue	8,000	10	10	10	57018
150 x 13	Holder No. 1	XCRS	Blue	6,000	10	10	10	57019

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

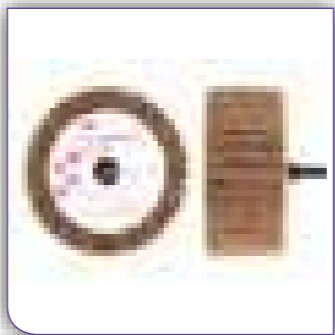
- All metals



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



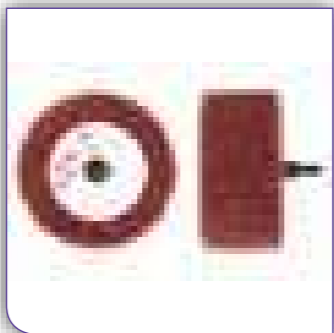
SIZE mm	USE WITH	GRADE	MOS (RPM)	BRUSHES PER INNER	BRUSHES PER OUTER	MOQ (brushes)	PART NO.
50 x 25	Holder No. 1	AMED	12,000	25	25	25	09700
63 x 32	Holder No. 1	AMED	9,000	10	10	10	09701
75 x 35	Holder No. 1	AMED	8,000	10	10	10	09702

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, coarse  
**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

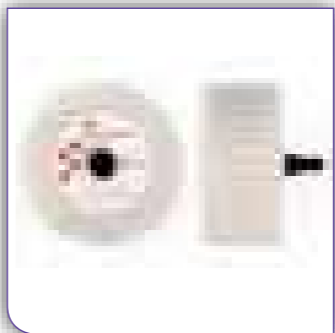
- Wood
- Metal
- Lacquers



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



**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

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	—	—	—									

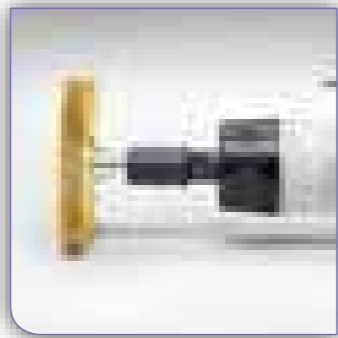
- C Curved bristles
- A Angled bristles
- S Straight bristles
- CB 3M™ Cubitron™ Abrasive blend



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

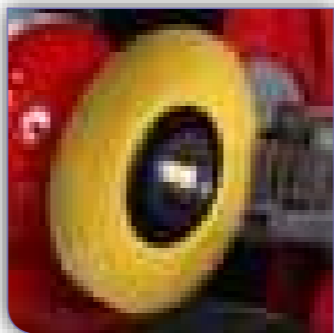


Size	Type	Grade	Colour	MOS	MOQ	Part Number
50mm	C	P80	Yellow	10,000	6	62965
50mm	C	P120	White	10,000	6	62966
50mm	C	P220	Red	10,000	6	62967
75mm	C	P80	Yellow	10,000	6	62968
75mm	C	P120	White	10,000	6	62969
75mm	C	P220	Red	10,000	6	62970

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

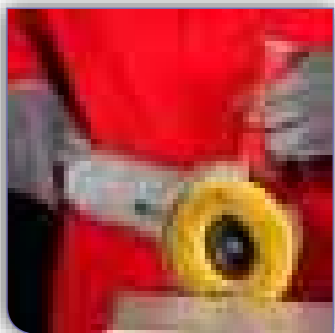
Materials

- 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

## 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	SC	9	—	—	—												
			5	—	—	—												
			8	—	—	—												
XR-WM	73	AO	2	—	—	—												
			6	—	—	—												

## 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	—	—	—												
			8	—	—	—												
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	—	—	—	—															
			—	—	—	—															
PF-ZS	84	AO	—	—	—	—															
CS-MB	85	AO	—	—	—	—															
CP-MB	85	AO	—	—	—	—															
CF-MB	85	AO	—	—	—	—															
			—	—	—	—															

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

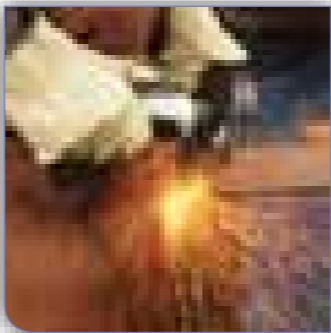
DISCS

ROLOC

BRISTLE

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

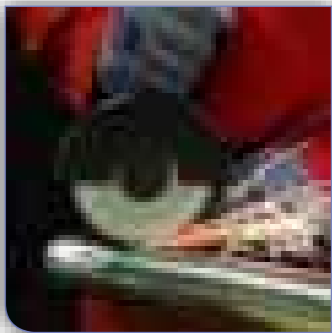
Materials

- 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 Grade** Type 41 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

WHEELS

BELTS

HAND  
SANDING

SHEETS

ROLLS

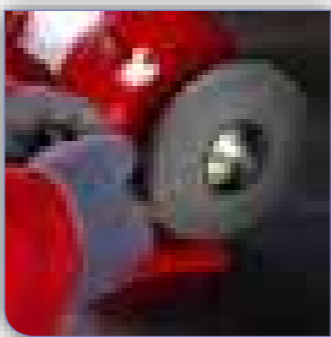
TOOLS

INDEX

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



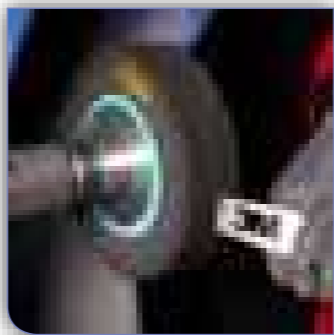
SIZE mm	DENSITY / GRADE	COLOUR	MAX RPM	WHEELS PER INNER	WHEELS PER OUTER	MOQ (wheels)	USE WITH	PART NO.
152 x 25.4 x 25.4	9SFN	D Grey	6,000	3	3	3	FL-AC Flange Page 87	18762
152 x 25.4 x 25.4	8SMED	D Grey	6,000	3	3	3		18761
152 x 25.4 x 25.4	7SFN	L Grey	6,000	3	3	3		18768
203 x 25.4 x 76.2	9SFN	D Grey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

Scotch-Brite™ EXL Mini-Bob 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

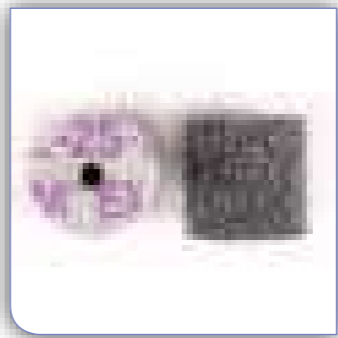
- All metals



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	For 6.35mm centres use with 933 Mandrel.  For 12.7mm centres use with 900-6 Mandrel for widths of 12.7mm or less and 900-8 for widths of 25.4mm	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		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		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

**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



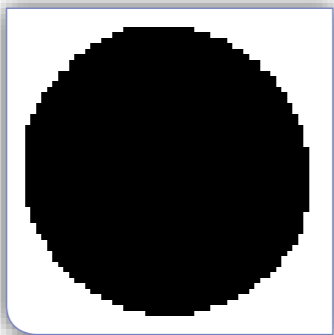
SIZE mm	DENSITY / GRADE	COLOUR	MAX RPM	WHEELS PER INNER	WHEELS PER OUTER	MOQ (wheels)	USE WITH	PART NO.
25 x 25 x 4.84	2SFIN	Grey/Purple	30,100	50	50	50	Mandrel 936M	13713
25 x 25 x 4.84	6AFIN	Tan/Blue	35,100	50	50	50		15860
25 x 25 x 4.84	6AMED	Tan/Red	35,100	50	50	50		A14063
25 x 25 x 4.84	8AMED	Tan/Red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

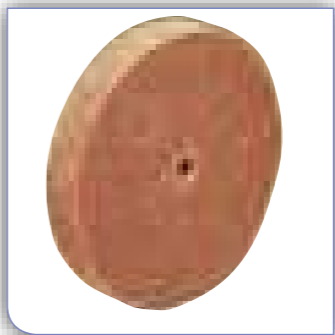
- Metal
- Corrosion
- Coatings



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	XCPS	Black	8,500	5	5	5	A07947 or 07948	01010
150 x 25 x 25.4	XCPS	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



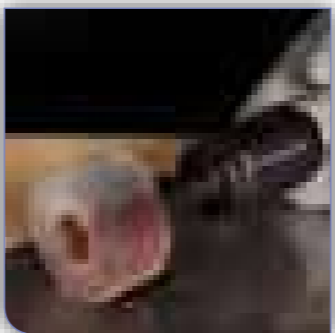
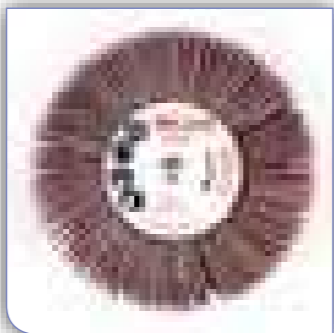
SIZE mm	DENSITY / GRADE	COLOUR	MAX RPM	WHEELS PER INNER	WHEELS PER OUTER	MOQ (wheels)	USE WITH	PART NO.
25 x 25 x 4.8	5AFIN	Tan	35,100	10	50	50	936M Mandrel	01560
75 x 19 x 6.35	5AFIN	Tan	15,100	10	10	10	933M Mandrel	01567

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

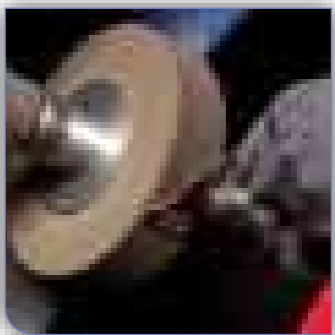
- Metal



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

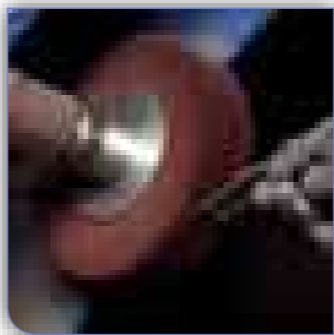
Scotch-Brite™ Clean & Finish Flap Brush CF-FB

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



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

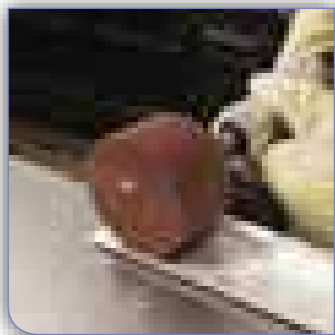
- Metal
- Wood
- Lacquers



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

**Mineral** Aluminium oxide

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



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



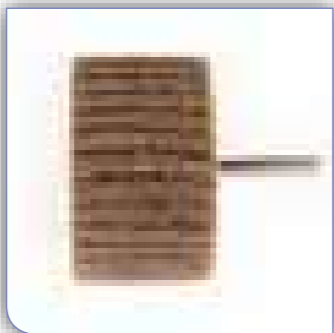
SIZE mm	GRADE	COLOUR	MOS (RPM)	WHEELS PER INNER	WHEELS PER OUTER	MOQ	PART NO.
75 x 45 x 6	P60 / Fine	Green	7,500	10	10	10	03772
75 x 45 x 6	P80 / Fine	Green	7,500	10	10	10	03771
75 x 45 x 6	P120 / Fine	Green	7,500	10	10	10	03770
75 x 45 x 6	P180 / Fine	Green	7,500	10	10	10	03769

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

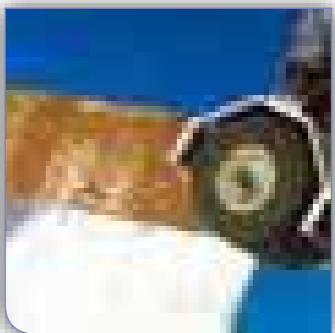
- All metals



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

DISCS

ROLOC

BRISTLE

WHEELS



3M Mandrel  
900-6



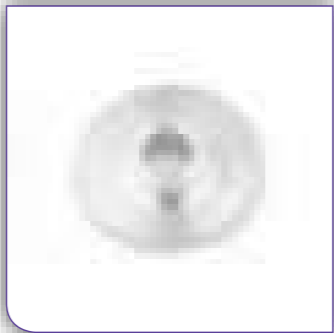
3M Mandrel  
900-8



3M Cartridge  
Roll Mandrel



3M Euro Flange  
76.2mm



3M Euro Flange  
25.4mm



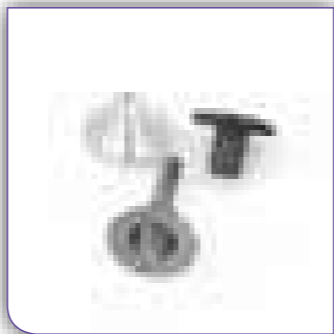
3M Mandrel  
933M



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

WHEELS

BELTS

HAND  
SANDING

SHEETS

ROLLS

TOOLS

INDEX

# 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																								
					XF																										
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

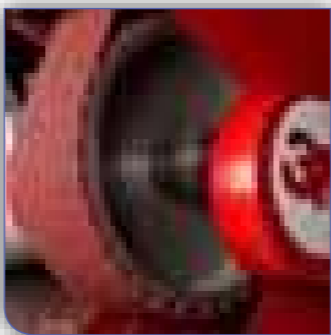
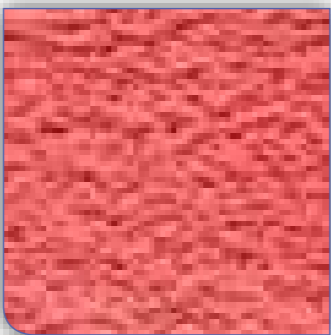
YF	Y-weight cloth backing
XF	X-weight cloth backing
LS	Low Stretch
SB	Scrim Backed
FB	Film Backed

GA	Grinding Aid
M	Medium pressure
MH	Medium to high pressure
H	High pressure
ML	Medium to low pressure

3M™ 984F



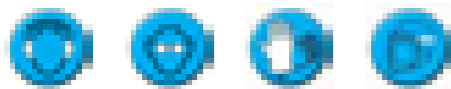
- Mineral** 3M™ Cubitron™ II Precision Shaped Grain
- Backing** YF weight
- Coating** Closed
- Bond** Resin
- Features** Grinding aid
- Pressure** High



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

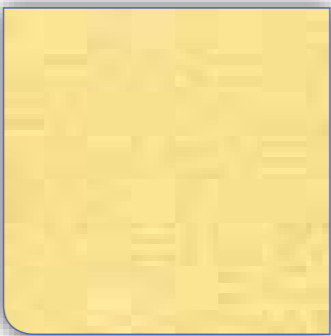


3M™ Cubitron™ II Abrasive Belt Selection Guide

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

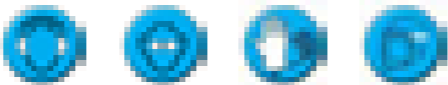
- Designed for superior offhand and pressure-assisted grinding of hard-to-grind, heat-sensitive alloys – the product of choice for titanium
- Features a grinding aid for cooler cutting

Applications

- Stiff belt suitable for high pressure grinding applications

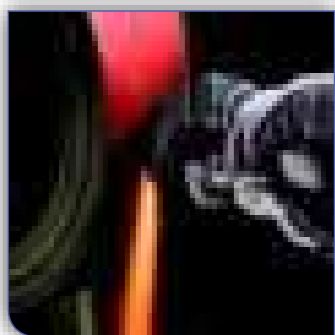
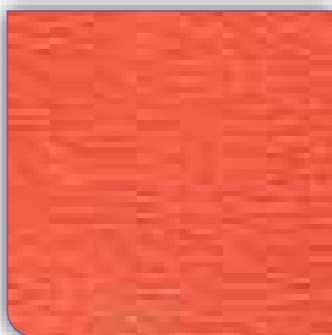
Materials

- 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

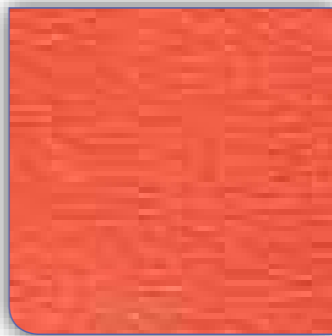
Materials

- 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

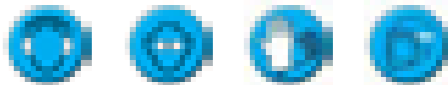
- Flexible X weight backing means suitable for portable hand tools and backstand machines
- Features a grinding aid for cooler cutting

Applications

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

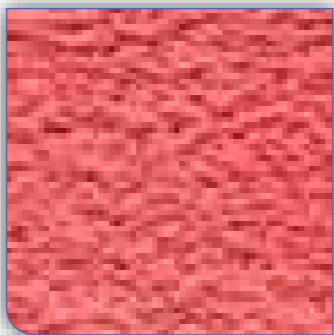
Materials

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



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

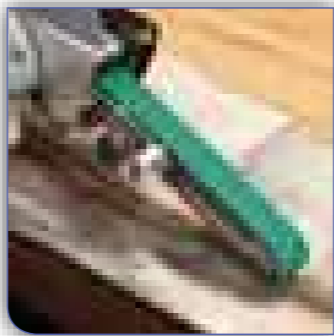
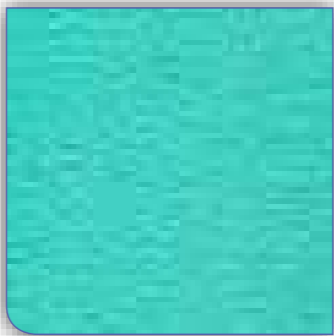
Materials

- 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

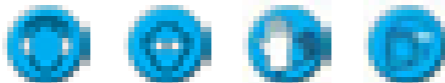
- A higher performing belt than traditional Aluminium Oxide products

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

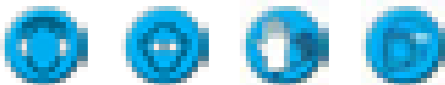
- Designed for grinding and finishing

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

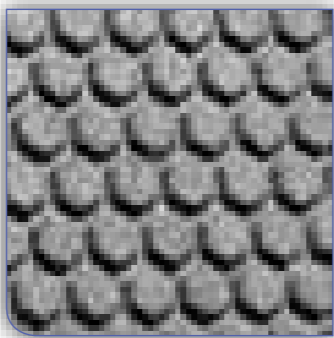
Materials

- 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

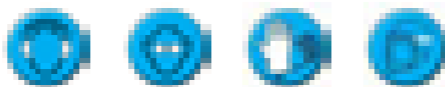
- Designed to last up to two times longer than conventional cork and agglomerate belts
- Delivers faster, more consistent results

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

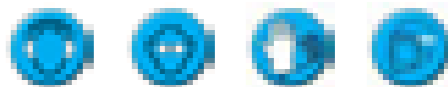
- A tough, non-woven nylon web impregnated throughout its structure to provide a uniform finish
- Produces a smooth burr-free surface
- Spring-like action of the web delivers excellent soft edge properties for the best blended finish

Applications

- Removing rust and discolouration
- Surface preparation and cleaning

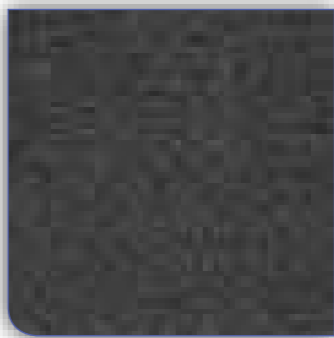
Materials

- All metals



Scotch-Brite™ DF-BL

Mineral	Aluminium oxide
Backing	Low stretch flexible



Benefits

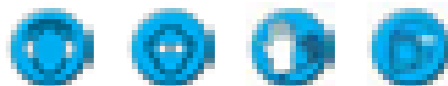
- Everything you have come to expect from Scotch-Brite belts plus:
  - Longer Life
  - Increased cut rate
  - Improved edge durability

Applications

- Significant increase in flexibility for file belt applications

Materials

- All metals



# 3M Trizact 237AA

Mineral	Aluminium oxide
Coating	Microreplication
Backing	XF weight
Features	Grinding aid
Pressure	Medium



## Benefits

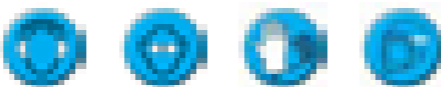
- Saves production time; fewer steps needed to achieve the required finish, reduced rework, fresh cutting surfaces continually exposed resulting in extended belt life and reduced frequency of belt changes
- Improved quality of finish; precise, repeatable finishes from part to part, mineral coating consistency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

## Applications

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

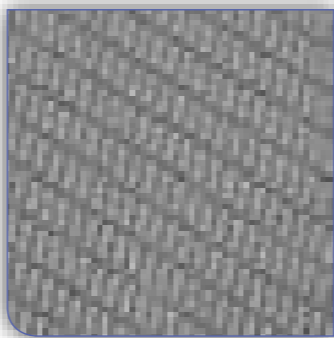
## Materials

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



# 3M Trizact 337DC (Trizact CF)

Mineral	Aluminium oxide
Coating	Macroreplication
Backing	XF weight
Features	Grinding aid
Pressure	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

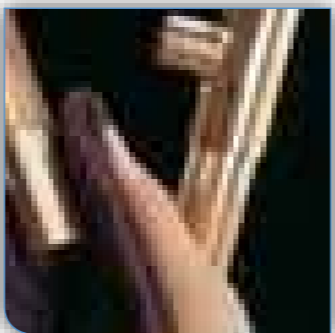
Type T	Type T (non-abrasive)
ULFN	Ultra Fine
VFN	Very Fine
FIN	Fine
MED	Medium
CRS	Coarse
XRCS	Extra Coarse
N	Micron grades

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

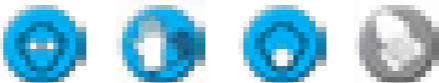
- Flexible, conformable  
Scotch-Brite Web produces a  
consistent, repeatable finish  
without altering the geometry of  
the workpiece
- Save time and money by  
reducing rework and improving  
process time

Applications

- Deburring, cleaning, blending,  
finishing, polishing

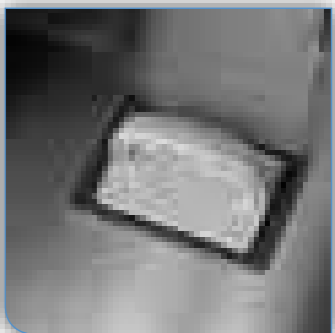
Materials

- 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

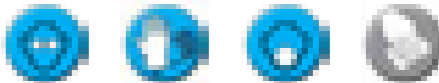
- Cost-effective, hand-sized pads  
on a roll, perforated for ease of  
use
- Packaging designed to reduce  
product wastage
- Longer life, higher cut and a  
more consistent finish over  
standard pads

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



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

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



Benefits

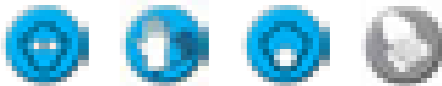
- Available in a variety of grades
- Can be used wet for improved dust control
- Can be washed by hand and re-used
- Coated on four faces for value for money and extended product life

Applications

- Hand sanding of contours and corners

Materials

- Wood
- Lacquers

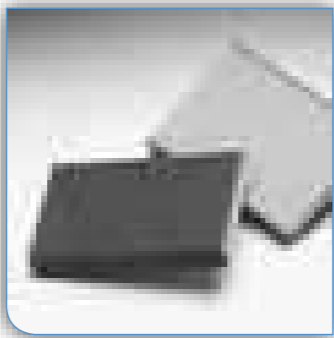


SIZE mm	GRADE	SPONGES PER INNER	SPONGES PER OUTER	MOQ (sponges)	PART NO.
95 x 66 x 25	Fine	24	144	144	03801
95 x 66 x 25	Medium	24	144	144	03802
95 x 66 x 25	Coarse	24	144	144	03803

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 faces for maximum flexibility during more detailed operations

Applications

- Hand finishing of intricate profiles

Materials

- Wood
- Lacquers

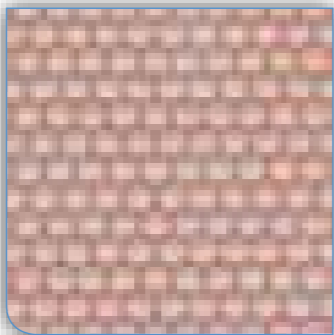


SIZE mm	GRADE	SPONGES PER INNER	SPONGES PER OUTER	MOQ (sponges)	PART NO.
115 x 140 x 5	Superfine	20	200	200	03810
115 x 140 x 5	Fine	20	200	200	03809
115 x 140 x 5	Medium	20	200	200	03808
115 x 140 x 5	Microfine	20	200	200	02600
115 x 140 x 5	Ultrafine	20	200	200	02601

3M™ 6200J Hand Laps

3M™ 6223J Professional Whetstones

**Mineral** Flexible diamond abrasive  
**Grade** Micron  
**Bond** Nickel  
**Pattern** 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

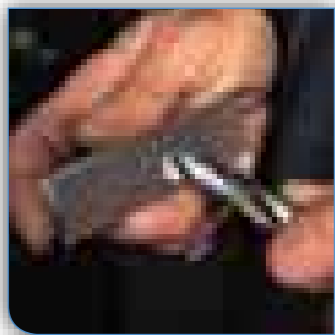
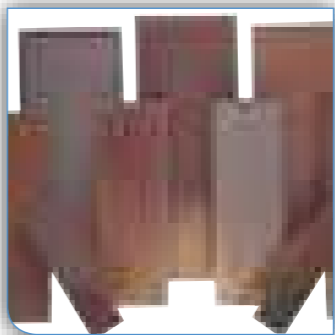
Materials

- 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

**Mineral** Flexible diamond abrasive  
**Grade** Micron  
**Bond** Nickel  
**Pattern** 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

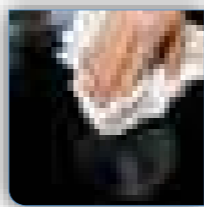
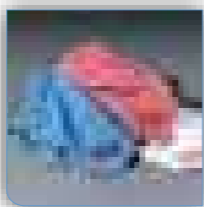


SIZE mm	GRADE	COLOUR	WHETSTONES PER INNER	WHETSTONES PER OUTER	MOQ (whetstones)	PART NO.
150 x 50	N74	Red	5	5	5	65321
150 x 50	N40	Yellow	5	5	5	65320
150 x 50	N20	White	5	5	5	65316

Scotch-Brite™ 2011 High Performance Cloth

3M™ Stainless Steel Cleaner and Polish

**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**

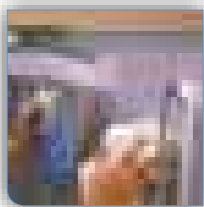
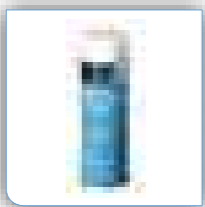
- Cleaning and maintenance; degreasing metal panels, removal of solvents and other liquids

**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

**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**

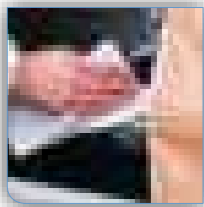
- Degreasing surfaces or parts; removal of abrasive residues after polishing; final shine before packaging; removal of dust, dirt, grease and fingerprints

**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

**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

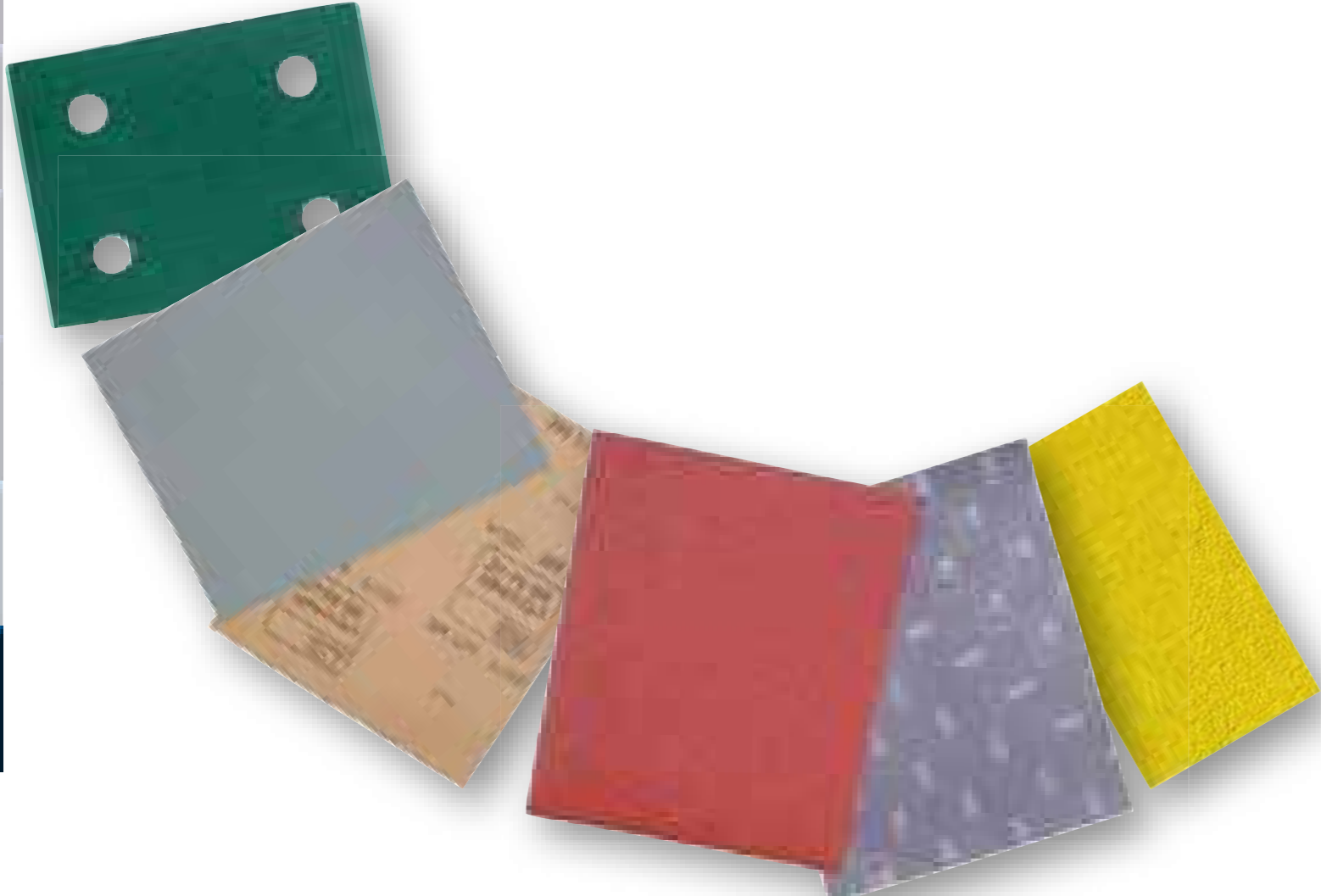
SIZE mm	DESCRIPTION	COLOUR	PADS PER INNER	PADS PER OUTER	MOQ (pads)	PART NO.
175 x 235	Tack Pad	White	10	60	60	07910

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



# 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

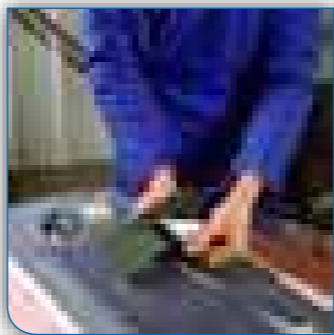
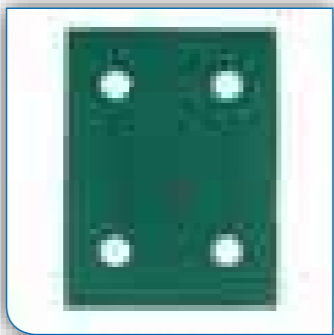


3M Air-Powered Orbital Sander

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

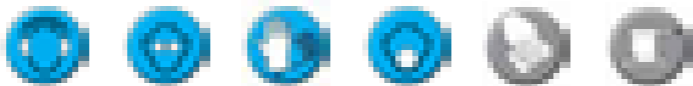
- Stiff E-weight paper gives a strong backing and long product life
- Resin bond resists heat to prevent premature “burning”
- Features the 3M Hookit fixing system, meaning that in conjunction with Hookit accessories, these products can be attached and reattached as many times as necessary

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



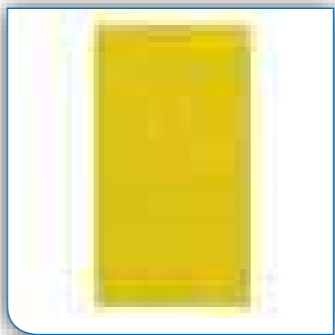
SIZE mm	GRADE	SHEETS PER INNER	SHEETS PER OUTER	MOQ (sheets)	PART NO. PLAIN	PART NO. HOLED
76 x 102	P40	50	250	250	-	62996
76 x 102	P60	50	250	250	-	62997
70 x 127	P40	50	250	500	8383	-
70 x 127	P60	50	500	500	8682	-
70 x 127	P80	50	250	500	8384	-
70 x 127	P120	50	250	500	03256	-
115 x 225	P40	50	250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

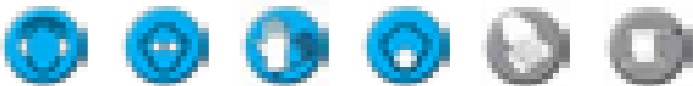
- C-weight paper backing gives good mineral support meaning longer product life and sustained cutting action
- Features the 3M Hookit fixing system, meaning that in conjunction with Hookit accessories, these products can be attached and reattached as many times as necessary
- Features enhanced anti-loading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

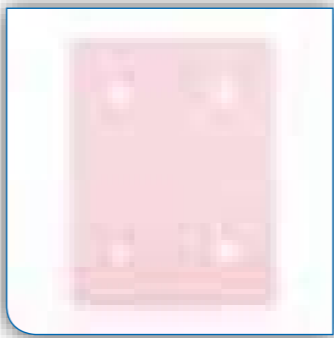


SIZE mm	GRADE	SHEETS PER INNER	SHEETS PER OUTER	MOQ (sheets)	PART NO. PLAIN	PART NO. HOLED
70 x 127	P80	50	250	500	11656	-
70 x 127	P120	50	250	500	03553	11635
70 x 127	P150	50	250	500	03552	14446
70 x 127	P180	50	500	500	03551	11634
70 x 127	P240	50	250	500	03549	11633
70 x 127	P320	50	250	500	03547	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



Benefits

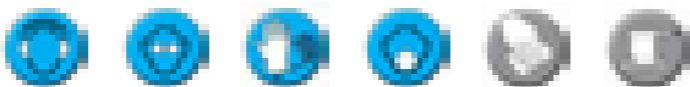
- C-weight paper backing gives good mineral support meaning longer product life and sustained cutting action
- Features the 3M Hookit fixing system, meaning that in conjunction with Hookit accessories, these products can be attached and reattached as many times as necessary
- Features enhanced anti-loading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

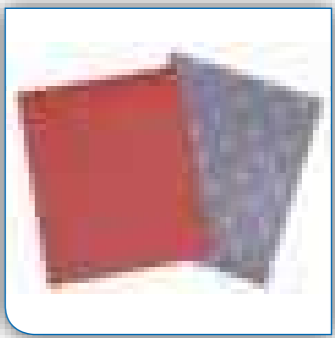
Materials

- 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

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



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

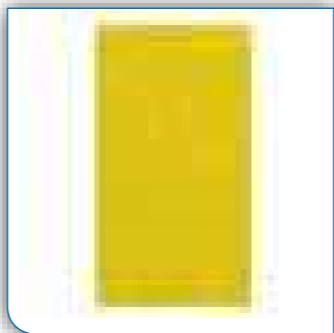
- Metal
- Wood
- Plastics



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

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



Benefits

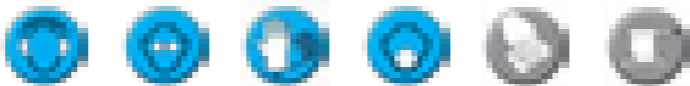
- C-weight paper backing gives good mineral support meaning longer product life and sustained cutting action
- Features the 3M Hookit fixing system, meaning that in conjunction with Hookit accessories, these products can be attached and reattached as many times as necessary
- Features enhanced anti-loading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

3M™ Wetordry™ 734

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



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

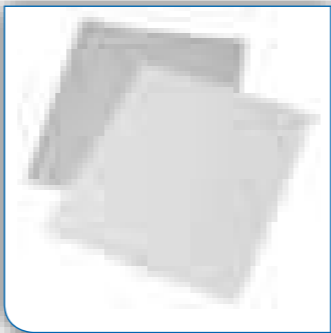


SIZE mm	GRADE	PAPER WEIGHT	SHEETS PER INNER	SHEETS PER OUTER	MOQ (sheets)	PART NO.
230 x 280	P80	C	50	250	250	A02022
230 x 280	P100	C	50	250	250	A02021
230 x 280	P120	C	50	250	250	A02020
230 x 280	P150	C	50	250	250	A02019
230 x 280	P180	C	50	250	250	A02018
230 x 280	P220	A	50	250	250	A02015
230 x 280	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



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



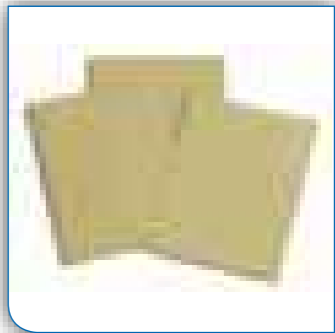
3M 618

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

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



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



## 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.

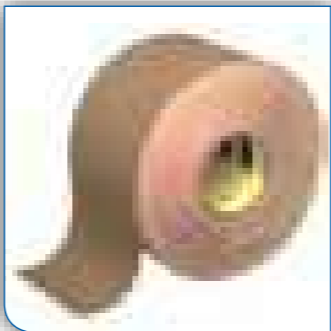


Use with 3M Roll Accessories

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

3M™ 241UZ Red

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



Benefits

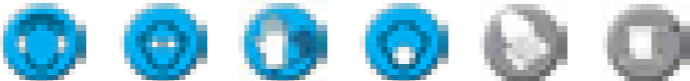
- Very open coat combined with Xodust Dust Control anti-static coating resists loading to give long product life

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

3M™ 255P

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



Benefits

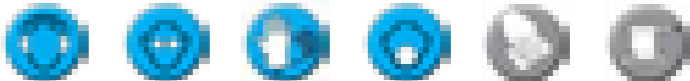
- C-weight paper backing gives good mineral support for longer product life and sustained cutting action
- Features enhanced anti-loading coating to extend product working life

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



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

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



Benefits

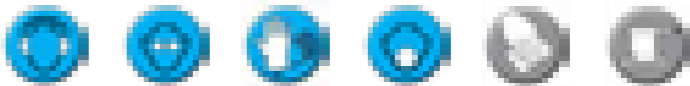
- Silicon Carbide mineral gives a sharp, aggressive cut with a fine finish
- Fre-Cut coating resists loading to extend product life
- Flexible backing is long lasting in hand sanding operations

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



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

Mineral Aluminium oxide



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

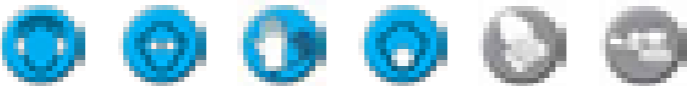
- Highly conformable web for intricate or detailed work – won't alter the geometry of the workpiece
- Easy to cut into desired lengths for hand sanding or use with orbital sanders

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"	N/A
	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

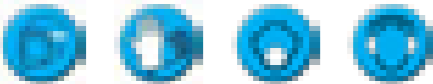
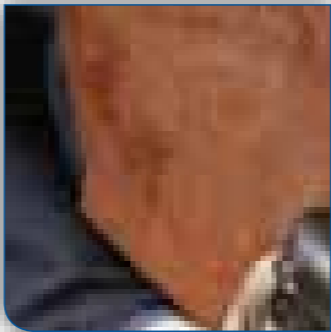
Electric Tool	Model No	RPM	Power (w)	Voltage (v)	Tool Dia. (mm)	Orbit Dia. (mm)	Weight (kg)	Spindle Thread	Size (l)	Max Output (w)	Air Flow (m3/h)	Low Pressure (hPa)	Dust Class
Random Orbital Sander	64385	5,000 to 10000	450	240	150	3	2.1	N/A	N/A	N/A	N/A	N/A	N/A
	64381	5,000 to 10000	450	240	150	5	2.1	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

3M™ Air-Powered Die Grinder

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.



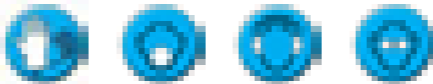
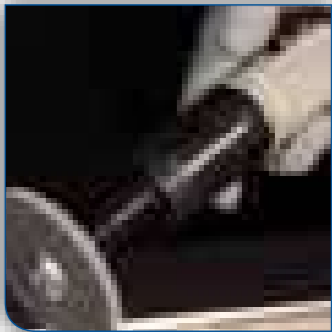
SIZE mm	MOTOR HP	RPM	WEIGHT	LENGTH mm	HEIGHT mm	PART NO.
50mm	0.5	20,000	0.5 kg	171.5	69.9	25124
75mm	1	15000	1 kg	209.6	82.6	25125

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.

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

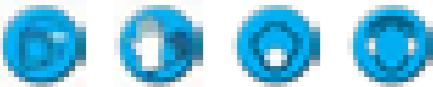
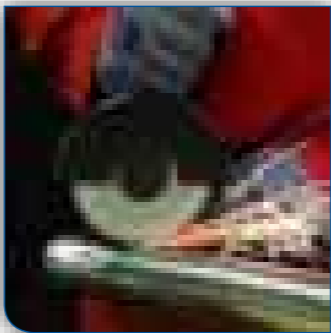
- Powerful 1 HP 3M™ Die Grinders are excellent for optimised results in heavier applications. Lower speed machines feature an offset gear box for higher torque.
- The 0.5 HP models feature a high output air motor. This provides high torque performance resulting in constant speed under load for optimum 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.



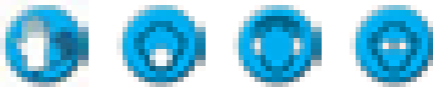
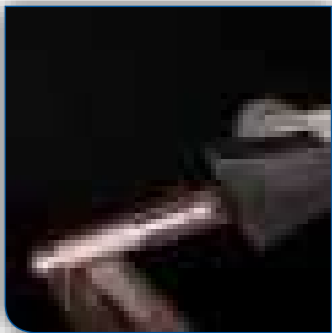
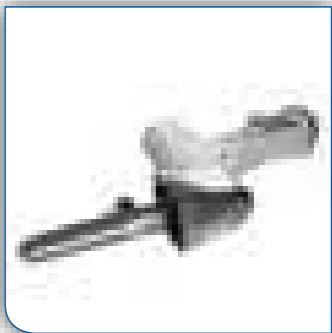
SIZE mm	RPM	WEIGHT	LENGTH mm	HEIGHT mm	PART NO.
75	25000	0.94 kg	196.9	76.2	20233
102	20,000	1.02	196.9	82.6	20234
115	12000	1.49	222.3	133.4	20243
127	12000	1.57	222.3	133.4	20235

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

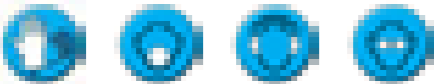
- The 3M File Belt Sander comes complete with one standard arm (28368), 3M™ Air Tool Lubricant (20451) and both a steel and rubber drive wheel.
- 3mm–19mm Width x 457mm–610mm Length.

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 > 0.1mg/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

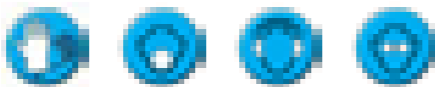


2.5mm Diameter Orbit  
Fine finish sanding  
**Description:** Chrome 2.5mm



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.



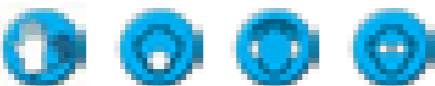
ITEM	WEIGHT	LENGTH mm	HEIGHT mm	PART NO.
75mm (2.5mm orbit)	0.57 kg	186	79	20316
125mm (5mm orbit)	0.89 kg	219	83	20319
125mm (2.5mm orbit)	0.89 kg	219	83	20322
150mm (5mm orbit)	0.94 kg	232	83	20462
150mm (2.5mm orbit)	0.94 kg	232	83	20464



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

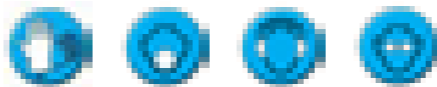


RPM	Vacuum	Motor HP
12,000	Central	0.28

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.



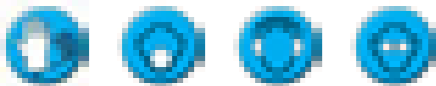
RPM	Vacuum	Motor HP
5,000 – 10,000	Self-Generated / Central	450

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.



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

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

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.

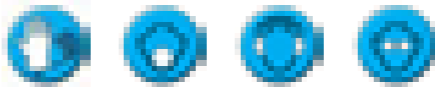


SIZE mm	WEIGHT	RPM	MOTOR HP	PART NO.
32 (5mm orbit)	0.45 kg	8,000	0.27	63374

3M™ Air-Powered Orbital Sanders

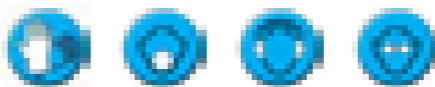
Designed to maximise finishing performance on flat surfaces. Ideal for sanding edges, sides and in corners.

- 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

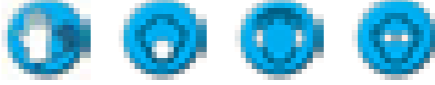


SIZE mm	WEIGHT	LENGTH mm	HEIGHT mm	PART NO.
75 x 100	0.72 kg	142.3	83.5	20431

- 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

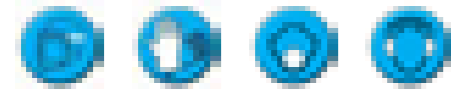


SIZE mm	WEIGHT	LENGTH mm	HEIGHT mm	PART NO.
75 x 100	0.69 kg	139.3	83.5	20430

- 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.

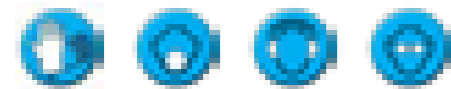


HEIGHT mm	SIZE mm	WEIGHT	LENGTH mm	PART NO.
99.6	32 (3mm orbit)	0.45 kg	233	3125

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.



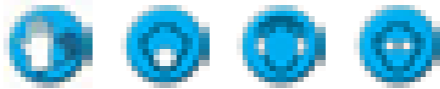
HEIGHT mm	SIZE mm	WEIGHT	LENGTH mm	PART NO.
99.6	75 (12mm orbit)	0.82 kg	233	28333

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

3M™ Finesse-it™ Kit

- 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™ 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.

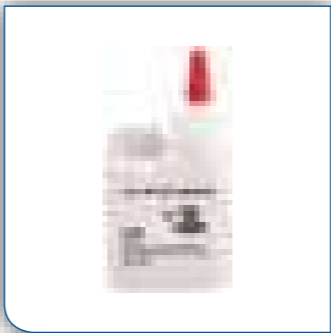
UNITS PER CASE	ITEM	DIMENSIONS mm	UNITS PER PACK	PART NO.
50	Self Generating Vacuum Bag	280 x 125	10	20452
10	Self Generating Vacuum Bag Adaptor	25mm Ext Hose Thread x 25mm ID	10	20453



3M™ Air Tool Lubricant

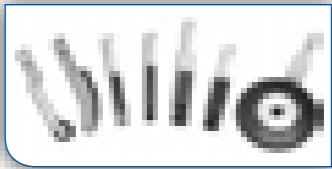
Used to keep pneumatic air tools running efficiently. Use 2-3 drops at the end of each day, or as needed, to maintain tool performance.

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

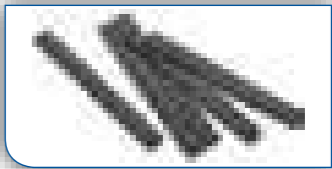
A variety of attachment arms are available to suit a diverse range of applications.



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

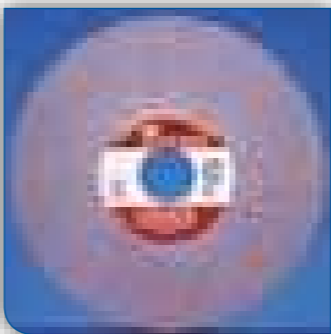
Sealey EXL Deburring Machine Deal

- 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	



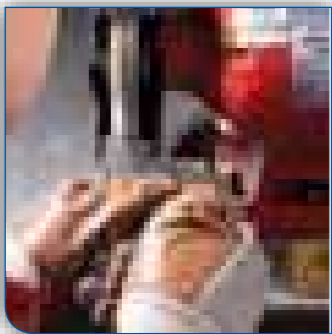
Sealey Bristle Bench Motor Machine Deal

- 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

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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			
P2500					9		1000			Ultra Fine	
P2000						N10 (Blue)	800	Ultra Fine	Super Fine Very Fine	Super Fine	
P1500											
P1200				A16	15		600	Super Fine	Fine		
P1000				A20	20		500				Very Fine
P800						N20	400	Very Fine			
P600				A30			360				
P500				A40	30			Fine			
P400				A45			320				
P360					40	N40	280	Medium	Medium		
P320				A60							
P280				A65			240	Coarse	Coarse	Medium	
P240				A80	60						
P220				A90			220	X Coarse			
P200				A100		N74					
P180				A110			180			Coarse	
P150				A130	100		150				
P120				A160		N125	120			Heavy Duty SE ACRS	
P100					180						Super Duty
P80				A300			100				
P60			80+	A400		N250	80				
P50							60				
P40		60+		A500			50				
P36							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)


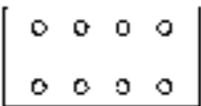



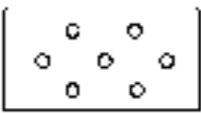


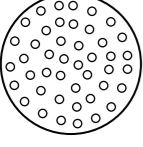
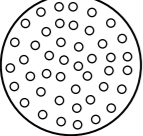
3M Roloc Abrasive Disc Grade and Button Colour Chart

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 Sheet on a roll 505B
	44 Hole 125mm Disc		
	50 Hole 150mm Disc		

3M™ Cubitron™ Coated Abrasive Belts Product Application Chart

Machine Type										
									Medium	Light
Material	Robotic	Portable File Belt Machines	Power Grinding (High Pressure)	Toolpost Linisher Dry	Stroke Sander	Platen Sander	Backstand Pressures	Centreless & Flat Finisher	Dry	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.

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

$$\text{Peripheral Operating Speed}$$

$$=$$

$$\frac{\text{r.p.m.} \times 3.142D \text{ (in metres)}}{60}$$

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

$$\text{Peripheral Operating Speed}$$

$$=$$

$$\frac{2000 \times (3.142 \times 0.2)}{60}$$

$$60$$

$$\frac{2000 \times 0.62}{60}$$

$$60$$

$$=$$

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

### 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

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CONDITIONS OF SALE OF GOODS AND SERVICES

<p><b>1. Application</b></p> <p>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).</p> <p>1.2 No variation of these conditions is permitted unless agreed in writing by a director of the Seller.</p> <p><b>2. Price</b></p> <p>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.</p> <p>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.</p> <p><b>3. Payment</b></p> <p>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.</p> <p>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.</p> <p>3.3 The Seller may at any time require the Buyer to make payment in advance of delivery or require security for payment.</p> <p>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.</p> <p>3.5 The Buyer will have no statutory or other right of set off.</p> <p><b>4. Delivery</b></p> <p>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.</p> <p>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.</p> <p>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.</p> <p><b>5. Risk and Property</b></p> <p>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.</p> <p>5.2 Until title to the goods passes to the Buyer:</p> <p>5.2:1 The Buyer will hold those goods as the Seller's bailee.</p> <p>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.</p> <p>5.2:3 The Buyer may use the goods or sell them in the ordinary course of its business.</p> <p>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.</p>	<p>5.3 Risk in all goods supplied to the Buyer will pass to the Buyer on delivery.</p> <p><b>6. Inspection</b></p> <p>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.</p> <p>6.2 The Seller will not be under any liability under 6.1 above unless the following conditions are strictly complied with:</p> <p>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.</p> <p>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.</p> <p><b>7. Liabilities and Warranties</b></p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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).</p> <p>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.</p> <p><b>8. Termination</b></p> <p>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.</p> <p><b>9. Jurisdiction</b></p> <p>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.</p> <p>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.</p> <p>Effective 1/7/1996</p>
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