

3M Science.
Applied to Life.™

3M™ Body Repair Solutions Guide

Trusted Collision Repair Products






Why choose 3M body repair products?

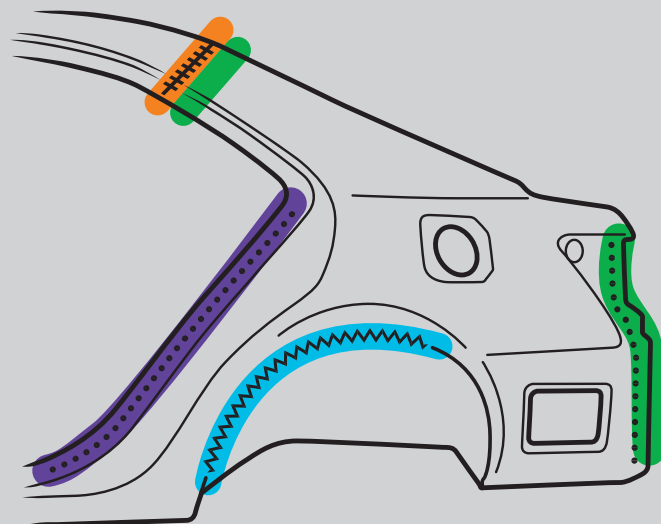
I've been using 3M products since I first started working with my dad in his shop. At Foose Design, we are proud to use these outstanding products every day to help us achieve the best in quality and design. With 3M, I can trust that I'm using industry's best. With the exceptional cut and life of 3M™ Cubitron™ II abrasives, I can stand by my work and know I've used products infused with today's leading technology and innovation. I'm proud to have 3M products in my shop and use them every day. If you want to build the best, use the best products: 3M products are the best in the business.



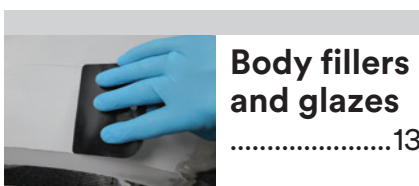
FOOSE
DESIGN

Choose the right 3M product for the right application.

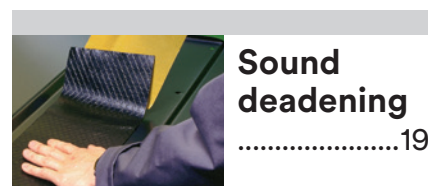
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-  Spot weld removal
-  Weld grinding
-  Sectioning
-  Hem flange removal



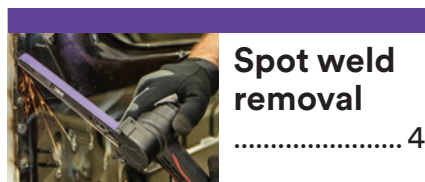
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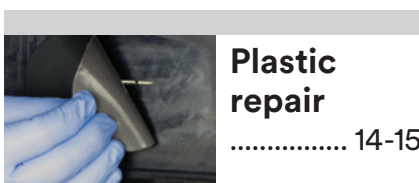
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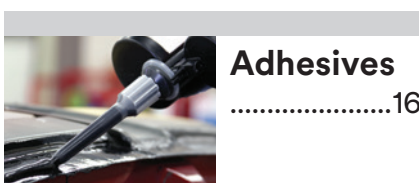
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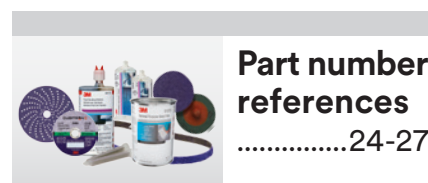
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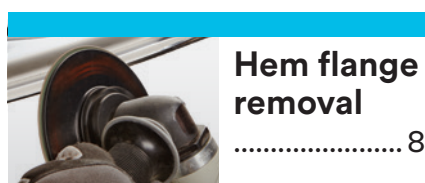
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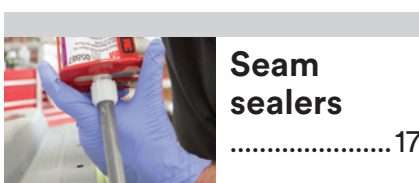
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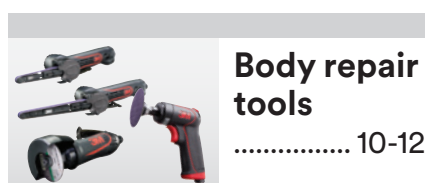
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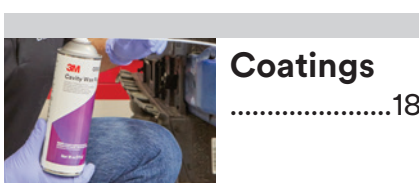
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CUBITRON™ II

Abrasive Discs and Sheets

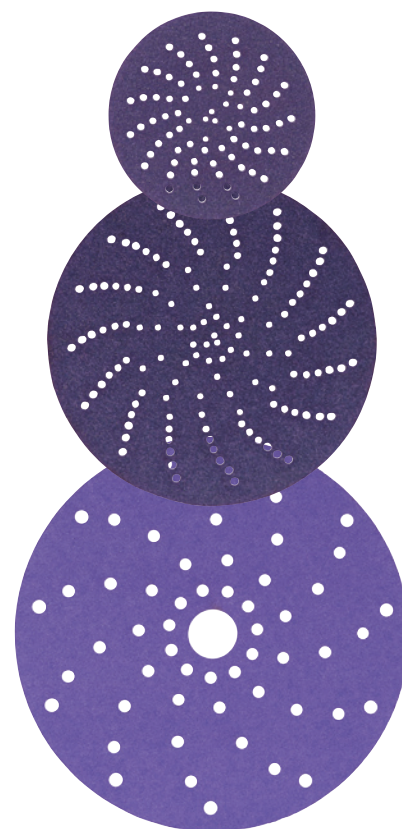
Surface preparation

The spiral-patterned design of 3M™ Cubitron™ II Clean Sanding Abrasive Discs features hundreds of holes to give dust a better escape route, moving more dust away from your finishing surface without loading the disc. 3M™ Cubitron™ II Abrasive Sheets are available for paint removal, filler or putty shaping. Ideally suited for use with the 3M™ Hookit™ Sanding Blocks.

3M™ Cubitron™ II Hookit™ Clean Sanding Abrasive Discs 737U

Use for paint stripping, body filler sanding and feather edging. 3M Precision-Shaped Grain slices through paint and body filler, wears evenly, and provides long life and consistency. Discs utilise the 3M™ Hookit™ Attachment System for simple application and easy reuse.

Part no.	Grade	Discs per box	Boxes per case	Dia.
Use with Festool Disc Pads				
31361	80+	50	4	75mm
31362	120+			
31363	150+			
31364	180+			
31461	220+			
51610	80+	50	10	90mm
51611	120+			
51612	150+			
51613	180+			
51614	220+			
31366	80+	50	4	125mm
31367	120+			
31368	150+			
31369	180+			
31471	220+			
51369	80+	50	5	150mm
51370	120+			
51421	150+			
51422	180+			
51423	220+			



Related products

Learn more at

<http://go.3M.com/panelshop>



3M™ General Purpose Body Filler, 3 L, PN51073



3M™ Premium Glaze Kit, 910 ml, PN51212



3M™ Cubitron™ II Flap Disc, T29, 115mm x 22mm, 40+, PN33470



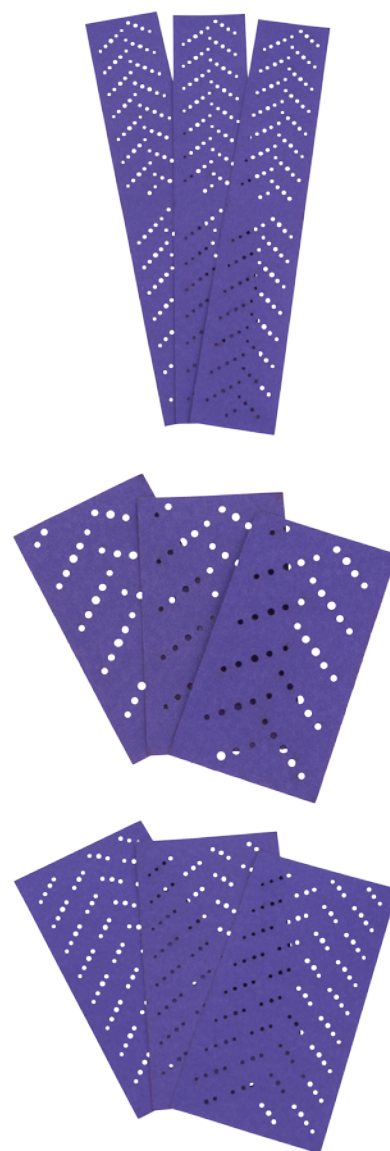
3M™ Hookit™ Purple+ Handblock Multi Hole, 70 mm x 198 mm, PN05171

3M™ Cubitron™ II Hookit™ Sheets

Featuring 3M Precision-Shaped Grain technology, these ceramic abrasives cut much more efficiently than other conventional ceramic abrasives – allowing users to realise significant improvements in the cut speed and life of each sheet.

Part no.	Grade	Sheets per box	Boxes per case	Size
Use with 3M™ Hookit™ Sanding Blocks				
51588	80+	50	6	80mm x 133mm
51589	120+			
51590	150+			
51591	180+			
51592	220+			
51599	80+	50	6	80mm x 400mm
51600	120+			
51601	150+			
51602	180+			
51603	220+			
51386	80+	50	6	70mm x 127mm
51387	120+			
51388	150+			
51389	180+			
51390	220+			
51399	80+	50	6	115mm x 225mm
51400	120+			
51401	150+			
51402	180+			
51403	220+			
51411	80+	50	6	70mm x 396mm
51412	120+			
51413	150+			
51414	180+			
51415	220+			

For accessories, see page 20.



3M™ Dry Guide Coat

An important step in any repair to ensure superior results. Helps reduce possible costly rework. No masking, no overspray, no solvents and no dry-time. No loading during sanding and ideal for wet or dry sanding. Total and proper coverage into surface imperfections.

Part no.	Description	Units per case
09560	3M™ Dry Guide Coat, Black	10
50416	3M™ Dry Guide Coat, Orange	10
09561	3M™ Dry Guide Coat Applicator	5
51362	3M™ Dry Guide Coat Kit, Black (2 Cartridges & Applicator)	6 kits



Spot weld removal

3M™ Cubitron™ II File Belts are ideally suited for use with the 3M™ File Belt Sander for a variety of metalworking applications in the auto bodyshop.

3M™ Cubitron™ II File Belts

Our most advanced file belts for use with the 3M™ File Belt Sander as an alternative to spot weld drilling, providing improved control and ease of use for spot weld removal and many common body shop metal grinding applications. 3M Precision-Shaped Grain technology provides improved cut, a more consistent finish and two times more belt life while running cooler than conventional ceramic abrasives.

3M file belts are great alternatives to spot weld drilling!

Fast cut. Improved control.
Ideal for hard-to-reach spots.

Part no.	Grade	W x L	Belts per box	Boxes per case
33449	36+	20mm x 520mm	10	5
33451	60+			
33452	80+			
33437	36+	10mm x 330mm	10	5
33439	60+			
33440	80+			
33443	36+	12.7mm x 457.2mm	10	5
33445	60+			
33446	80+			

For tools, see pages 10-12.

Part no.	Grade	W x L	Belts per case
64475	A CRS	1/2" x 18"	20

For tools, see pages 10-12.





CUBITRON™ II

Abrasive Discs and Wheels

Sectioning



3M™ Cubitron™ II Cut-Off Wheels are designed for cutting and heavy stock removal of metals and fiberglass.

3M™ Cubitron™ II Cut-Off Wheels

Used for cutting autobody sheet metal, frame rails, exhaust pipes, clamps and rusted bolts. Constructed with triangular-shaped ceramic grain for fast-cutting, longer lasting and cooler running performance than conventional ceramic abrasives. **DO NOT USE WITHOUT GUARDS!**

Part no.	Size	Max. RPM	Wheels per box	Boxes per case
ALWAYS USE WITH GUARD				
33456	75mm x 1mm x 9.53mm	25,465	5	6
33455	75mm x 1.6mm x 9.53mm			
33460	100mm x 1mm x 9.53mm	19,100		
33467	115mm x 1mm x 22.23mm	13,300		
33461	100mm x 1mm x 16mm	15,300		

For tools, see pages 10-12.



3M™ Mini File Belt Sander, 330mm, PN33573



3M™ Body Repair File Belt Sander, 457mm, PN33575



3M™ Weld Thru II Coating, 377ml, 361g, PN50410



3M™ Panel Bonding Adhesive, 200ml, PN08115

Related products

Learn more at
<http://go.3M.com/panelshop>



CUBITRON™ II


Abrasive Discs

Weld grinding

Versatility is key to productivity. With 3M™ Roloc™ Discs, a quick 1/2 turn on, 1/2 turn off speeds up disc changing. 3M™ Flap Discs, 3M™ Fibre Discs (page 9) and 3M™ File Belts (pages 4–5) can also be used for weld grinding.

3M™ Cubitron™ II Roloc™ Fibre Discs 786C

Our most advanced Roloc disc, the 3M™ Cubitron™ II Roloc™ Fibre Disc is designed for heavy duty metalworking applications such as weld grinding and clean-up. Features rigid fibre backing for increased cut performance.

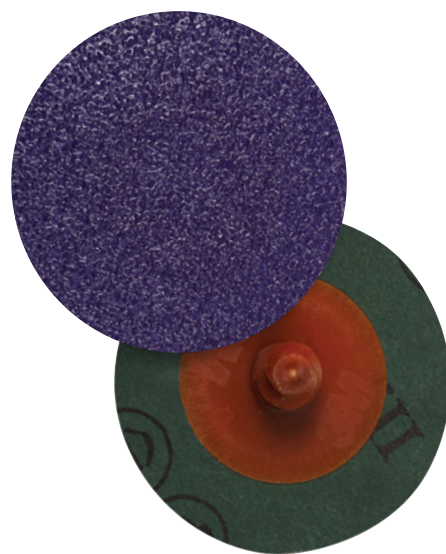
Part no.	Grade	Dia.	Max. RPM	Discs per box	Boxes per case
Roloc TR (plastic button) 					
33377	36+	50mm	25,000	15	6
33379	60+				
33380	80+				
33389	36+				
33391	60+	75mm	20,000	15	6
33392	80+				

For tools, see pages 10-12. For accessories, see page 20.

3M™ Cubitron™ II Flap Discs – T27 & T29

Combining 3M Precision-Shaped Grain with a durable yet flexible backing; this 3M™ Cubitron™ II Flap Disc is an outstanding choice for rapidly removing welds, grinding edges, finishing metal and removing paint.

Part no.	Grade	Dia.	Discs per box	Boxes per case
33470	40+	115mm x 22mm	5	6
33471	60+			
33472	80+			
33476	40+	100mm x 16mm	5	6
33477	60+			
33478	80+			



3M™ Scotch-Brite™ Clean and Strip™ XT Purple Disc Mandrels

Clean and Strip™ discs which attach by way of a mandrel (07947/07948) to an air or electric tool.

Part no.	Colour	Dimension	Units per pack	Units per case
07933	Purple	100mm x 13mm	2	15
07934		100mm x 15mm		10

3M™ Scotch-Brite™ Clean and Strip™ XT Purple Disc Roloc™ +

Clean and Strip™ disc with a pre-attached Roloc™+ fastening which, using a Roloc™+ holder (09884), allows it to be attached to an air or electric tool. This then allows easy attachment and removal of the disc by the Roloc™+ quick release twist.

Part no.	Colour	Dimension	Units per pack	Units per case
05814	Purple	100mm x 13mm x R+	1	10

3M™ Scotch-Brite™ Clean and Strip™ XT Purple Disc Fibre

Part no.	Colour	Dimension	Units per pack	Units per case
05816	Purple	115mm x 22mm	1	10
05817		178mm x 22mm		

3M™ Scotch-Brite™ Clean and Strip™ GP Blue Disc Mandrel

Part no.	Colour	Dimension	Units per pack	Units per case
57013	Blue	100mm	1	10

3M™ Scotch-Brite™ Clean and Strip™ GP Blue Disc Roloc™ +

Clean and Strip™ discs with a pre-attached Roloc™+ fastening which, using a Roloc™+ holder (09884), allows it to be attached to an air or electric tool. This then allows easy attachment and removal of the disc by the Roloc™+ quick release twist.

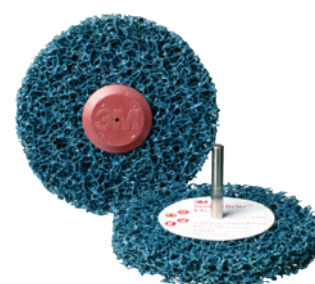
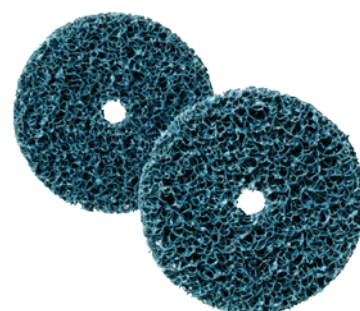
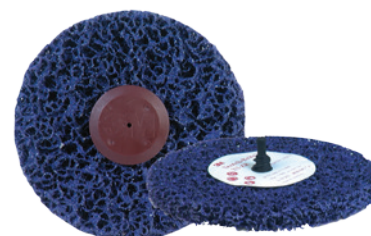
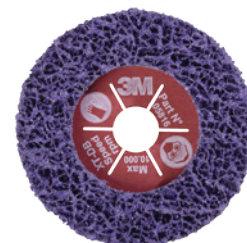
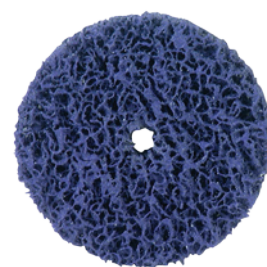
Part no.	Colour	Dimension	Units per pack	Units per case
57018	Blue	100mm	1	10

3M™ Clean and Strip™ Mandrels

Mandrel for use with (07933/4) and (57013).

Part no.	Dimension	Units per pack	Units per case
Mandrel for use with (07933/4) and (57013).			
07947	100mm - 6mm shaft	1	5
07948	150mm - 8mm shaft		

For tools, see pages 10-12. For accessories, see page 20.



3M™ Body Repair Pistol Grip Disc Sander, 50mm + 75mm, PN33577



3M™ Weld Thru II Coating, 377ml, 361g, PN50410



3M™ Polyurethane Seam Sealer, Grey, 310ml, PN08684



3M™ Panel Bonding Adhesive, 200ml, PN08115

Related products

Learn more at
<http://go.3M.com/panelshop>

Hem flange removal

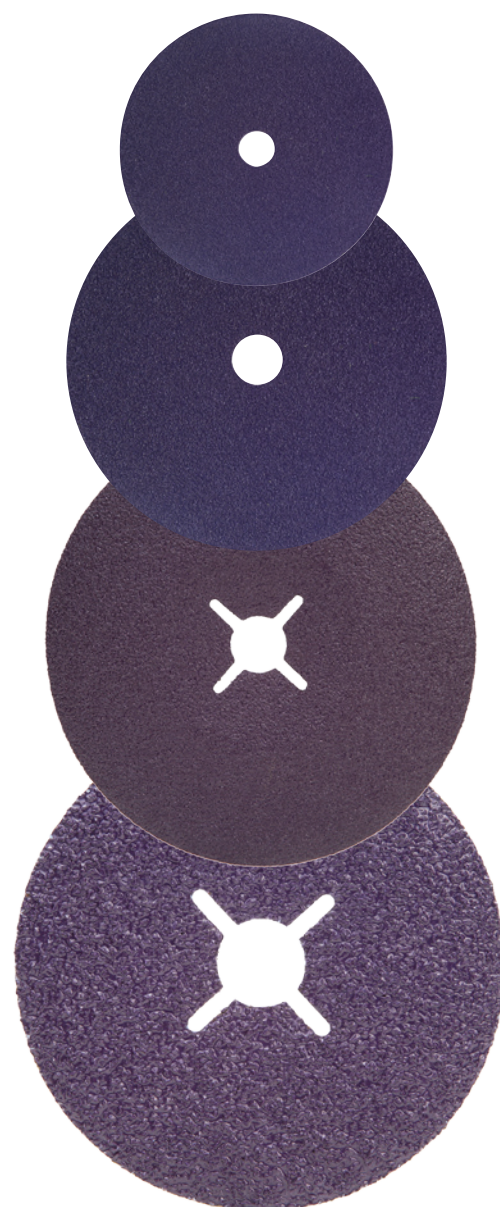
Designed for use with the appropriate disc sander, 3M™ Cubitron™ II Fibre Discs provide fast cut and speed, offering low total cost per grind.

3M™ Cubitron™ II Abrasive Fibre Discs

Performance class abrasive utilises 3M Precision-Shaped Grain ceramic abrasive technology, which allows for faster cutting of welds and door skin removal. When stripping paint, the improved construction resists loading while generating less heat.

	Part no.	Grade	Diameter	Discs per box	Boxes per case
Slotted	33434	80+	180mm x 22mm	5	5
	33433	60+			
	33431	36+			
	33422	80+	125mm x 22mm	5	5
	33419	36+			
	33421	60+			
	33410	80+	115mm x 22mm	5	5
	33409	60+			
	33407	36+			
	Part no.	Grade	Diameter	Discs per box	Boxes per case
Standard	33395	36+	100mm x 22mm	5	5
	33397	60+			
	33398	80+			

For tools, see pages 10-12. For accessories, see page 20.



Related products

Learn more at

<http://go.3M.com/panelshop>



3M™ Body Repair Cut-Off Wheel Tool, 76mm, PN33579



3M™ Weld Thru II Coating, 377ml, 361g, PN50410

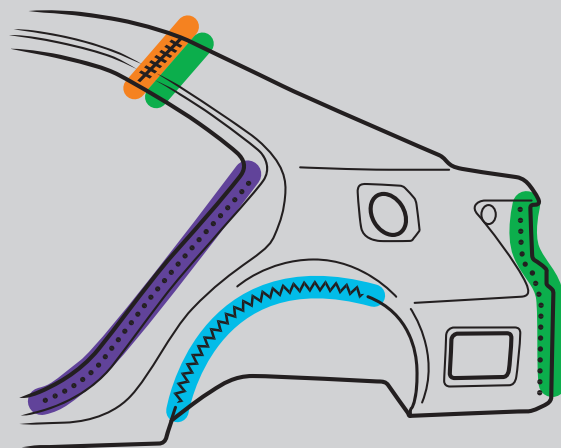


3M™ Panel Bonding Adhesive, 200ml, PN08115



3M™ EZ Sand Flexible Parts Repair, 200ml, PN05887

A	Sectioning	3M™ Cubitron™ II Cut-Off Wheels
B	Spot weld removal	3M™ Cubitron™ II File Belts
C	Weld grinding	3M™ Cubitron™ II Roloc™ Fibre Discs 786C
D	Hem flange removal	3M™ Cubitron™ II Abrasive Fibre Discs
E	Surface preparation	3M™ Cubitron™ II Hookit™ Clean Sanding Abrasive Discs and Sheets



A 3M™ Cubitron™ II Cut-Off Wheels

Used for cutting body panels, frame rails, exhaust pipes, sheet metal and rusted bolts. 3M™ Cubitron™ II Cut-Off Wheels are designed to deliver excellent results. Constructed with the innovative Cubitron™ technology; its triangular-shaped grain offers higher initial cut, faster cutting, longer life and cooler running performance.



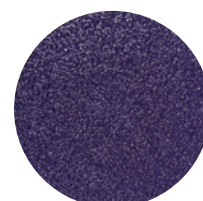
B 3M™ Cubitron™ II File Belts

3M™ Cubitron™ II Belts are ideal for grinding and spot weld removal applications. 3M's Precision-Shaped Grain technology provides improved cut, a more consistent finish with outstanding performance. Optimised metalwork performance achieved when combined with the 3M™ File Belt Sander.



C 3M™ Cubitron™ II Roloc™ Fibre Discs

3M™ Cubitron™ II Roloc™ Fibre Discs deliver superior performance. Designed for heavy duty metal working applications such as weld grinding and clean-up. The reinforced fibre backing guarantees long disc life and an increase in cut performance.



3M™ Cubitron™ II Hookit™ Abrasive Flap Discs

Combining 3M's Precision-Shaped Grain technology with a durable yet flexible backing; the 3M™ Cubitron™ II Flap Disc is an outstanding choice for rapidly removing welds, grinding edges, finishing metal and removing paint. The Cubitron™ II Flap Disc grinds and blends in a single step, offers longer life and durability for heavy grinding, runs cooler and requires less pressure than other conventional abrasive discs.



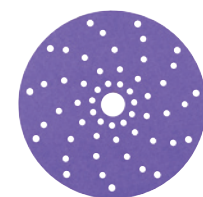
D 3M™ Cubitron™ II Abrasive Fibre Discs

The 3M™ Precision-Shaped Grain technology used in our 3M™ Cubitron™ II Fibre Discs allows for faster cutting of welds, paint and door skin removal. When stripping paint, the improved construction resists loading while generating less heat.



E 3M™ Cubitron™ II Hookit™ Clean Sanding Abrasive Discs 737U

3M™ Cubitron™ II Hookit™ Clean Sanding Abrasive Discs 737U offer incredibly high performance and increased productivity. Used for paint stripping, sanding body filler and featheredging. With 3M's revolutionary Precision-Shaped Grain technology, 3M™ Cubitron™ II discs slice through paint and body filler, delivering outstanding sanding performance.



Always wear the appropriate Personal Protection Equipment (PPE).

3M™ Body Repair Tools

3M™ Mini File Belt Sander and File Belt Sander

3M™ File Belt Sanders allow technicians to access hard-to-reach areas and are great for spot weld removal, deburring, cleaning, and finishing. Remove spot welds cleanly and quickly with 3M™ Cubitron™ II File Belts — replacing the need for expensive drills and bits. Adjustable arm for user comfort and multiple applications. Available in 330mm and 457mm sizes.



Part no.	Belt Size mm	Max. RPM	Weight kg	Height mm	Length mm	Motor hp (W)
Belt Speed: 4100 SFPM (1250 SMPM)						
33573	10 × 330	17,000	0.94	73	320	0.65 (485)
33575	13 × 457		0.98		385	

For belts, see page 4.

3M™ Cut-Off Wheel Tools

3M™ Cut-Off Wheel Tools deliver the performance you need when working with tough automotive substrates. When paired with 3M™ Cubitron™ II Cut-Off Wheels, technicians can even slice through high-strength steel and aluminum with clean, straight lines and minimal effort. Power with a Cubitron II cut-off wheel for a cleaner cut that runs cooler. Compact design with built-in safety features for easy handling. Featuring a light-weight composite body for greater user comfort. Available in 75mm size.



Part no.	Wheel Size mm	Max. RPM	Thread Size	Weight kg	Height mm	Length mm	Motor hp (W)
ALWAYS USE WITH GUARD							
33579	75	20,000	28	0.87	79.6	196	0.70 (522)

For wheels, see page 5.

Related products

Learn more at

<http://go.3M.com/panelshop>



3M™ Cubitron™ II
File Belt 786F, 10mm
x 330mm, 36+,
PN33437



3M™ Cubitron™ II
Cut-Off Wheel,
75mm x 1mm x
9.53mm, PN33456



3M™ Cubitron™ II
Roloc™ Fibre Disc
786C, 75mm, 36+,
PN33389



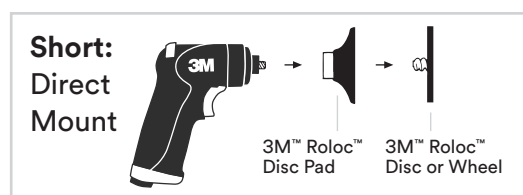
3M™ Panel Bonding
Adhesive, 200ml,
PN08115

3M™ Pistol Grip Disc Sander

Light-weight tool with the power to grind welds. Conveniently sized to access small and hard-to-reach areas. Perfect for grinding and sanding applications with our 3M™ Cubitron™ II Fibre Roloc™ Discs. Variable speed adjustment for optimal finish.

Part no.	Max. RPM	Thread Size	Weight kg	Height mm	Length mm	Motor hp (W)
Use with 50mm and 75mm discs*						
33577	18,000	20	0.8	52	189	0.45 (336)

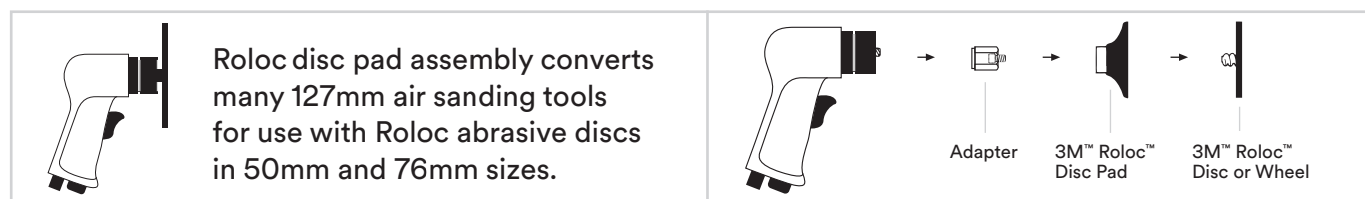
*Tool includes a 50mm and 75mm 3M™ Roloc™ Disc Pad. For discs, see pages 6-8.



3M™ Roloc™ Disc Pad Assembly

Hard rubber backup pad provides firm support for 3M™ Roloc™ Abrasive Discs. Pad has a 1/4-20 INT thread which allows it to be mounted directly to tools with 1/4-20 EXT threaded shafts. Assembly includes a 50mm or 76mm 3M™ Roloc™ Disc Pad, shaft and adapter.

Part no.	Size	Max. RPM	Unit	Units per case
05539	50mm	25,000	Assembly	10
05540	76mm	20,000		



3M™ Roloc™ + Holder

Allows use of Scotch-Brite™ Roloc™ + Clean and Strip Disc on your tool. The 6.35mm shank fits into any recommended standard tool with 6.35mm collet. Quick and easy to use.

Part no.	Size	Unit	Units per case
07500	50mm	Each	10



3M™ Body Repair Tools

3M™ Disc Pad Hubs

Has a threaded metal insert and can be used on most 5/8–11 shafts.

Part no.	Size	For Use With	Unit	Units per case
45205	2-1/2" x 5/8–11 INT	All 4"–9" face plates	Each	10
45190	4-1/2" x 5/8–11 INT	7", 8" and 9" face plates		

3M™ Disc Pad Face Plates – Ribbed

Use with 3M™ Fibre Discs and Disc Pad Hubs for heavy metal removal, large welds, etc. 3M™ Disc Pad Face Plates can be easily changed without removing the hub.

Part no.	Size	Desc.	Max. RPM	Unit	Units per case
81733	5"	Hard Black	12,000	Each	10
80515	7"		8,600		
81729	9"		6,600		

3M™ Disc Retainer Nuts

Use with 3M™ Disc Pad Face Plates, Disc Pad Hubs and Fibre Disc Holders. Has 1/4" diameter holes for use with a spanner wrench.

Part no.	Size	Unit	Units per case
02618	5/16" x 5/8–11 INT	Each	10
05622	3/8" x 5/8–11 INT		

3M™ Hookit™ Purple+ Handblock Multi Hole

Use with 3M™ Hookit™ Clean Sanding Sheet for sanding applications involving body filler, putty and primer. Attaches to vacuum hose for dust removal.

Part no.	Item	Dimensions	Units per pack	Units per case
05170	Handblock	70mm x 127mm	1	1
05171		70mm x 198mm		
05172		70mm x 396mm		
05173		115mm x 225mm		
50728	Curved Adapter Set	70mm x 127mm	1	1
50729		70mm x 198mm		

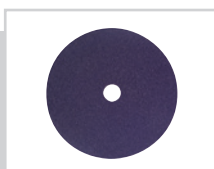
For abrasive sheets, see page 3.



Related products

Learn more at

<http://go.3M.com/panelshop>



3M™ Cubitron™ II
Abrasive Fibre Disc
786C, PN33395



3M™ Dry Guide Coat,
Black, 50g, PN09650



3M™ Panel Bonding
Adhesive, 200 ml,
PN08115



3M™ Polyurethane
Seam Sealer, Grey,
310ml, PN08684

Body fillers and glazes

3M™ General Purpose Body Filler

A general purpose filler that allows easy sanding and shaping for all automotive repairs.

3M™ Heavy General Purpose Body Filler

A heavier weight filler that allows easier filling of deep panel damage and can be used prior to finishing with a light filler such as 3M™ General Purpose Body Filler or 3M™ Premium Glaze.

Part no.	Item	Format	Dimension	Units per case
51078	3M™ Heavy General Purpose Body Filler	Cartridge	1.65 L	6
51079	3M™ General Purpose Body Filler			
51080	3M™ Hardener for Body Filler		55 g	12
51081	3M™ Wall Dispenser Dispenser for Body Filler			1

Part no.	Item	Format	Dimension	Units per case
51072	3M™ Heavy General Purpose Body Filler	Can	3 L	4
51073	3M™ General Purpose Body Filler			
51074	3M™ Hardener for Body Filler		100g	12
51075	3M™ Heavy General Purpose Body Filler	Can	1 L	6
51076	3M™ General Purpose Body Filler			
51077	3M™ Hardener for Body Filler		40g	24

3M™ Premium Glaze

Provides the perfect finish, leaving a smooth and level surface ideal for sanding and primer application.

Part no.	Item	Format	Dimension	Units per case
51212	3M™ Premium Glaze	Bottle	910ml	8



Mixing and delivery

3M™ Dynamic Mixing System (DMS)

Automatically mix and dispense the perfect amount of body filler products. Designed to maximise productivity, reduce waste and increase profit potential.

Part no.	Item	Format	Dimension	Units per pack	Units per case
51002	DMS General Purpose Body Filler	Cartridge	276ml	1	6
51003	DMS Heavy General Purpose Body Filler				
51004	DMS Light General Purpose Body Filler				
50600	DMS Applicator				1
50601	DMS Nozzle			50	6



Plastic repair

3M™ EZ Sand Multi Purpose Repair Material

Two-part epoxy used to repair most flexible parts. May also be used as a seam sealer where a rounded edge seam is required. This semi-flowable material creates the perfect bead matching many OEM applications.

Part no.	Item	Colour	Size	Units per case
05887	Flexible Plastic Filler	Grey	200ml	6
08193	Nozzle			36

3M™ Instant Plastic Repair Patch

Used to reinforce the inside of a two-sided plastic repair of minor bumper damage that pierces the plastic. A high performance, flexible TPO (thermoplastic polyolefin) patch provides a strong backside reinforcement repair for most plastics.

Part no.	Description	Colour	Size	Units per case
05888	Flexible Bumper Patch	Black	101mm x 203mm	36
06396	Adhesion Promoter Sachet			100

Kit includes six flexible TPO patches and six adhesion promoter packets 06396.

3M™ Super Fast Plastic Repair Adhesive

3M™ Superfast Plastic Adhesive is a two-part urethane adhesive suitable to repair, rebuild, reshape and bond all kinds of plastic. Fast to cure, it can be sanded and overpainted.

Part no.	Item	Colour	Size	Units per case
55045	Superfast Plastic Adhesive	Clear	50ml	12
04748	Superfast Adhesive	Black		
04908	Nozzle			50

3M™ Plastic Repair Kit

Use 3M™ Plastic Repair Kit to quickly repair plastic parts such as bumper cracks or scratches. Our introductory kit is a part of our plastic repair range and includes all the materials you need to carry out a professional grade repair to most defects, to many plastic car parts.

Part no.	Colour	Units per case
50537	Black	1



Related products

Learn more at
<http://go.3M.com/panelshop>



3M™ Crack Seal Tape, PN03020



3M™ Manual Gun for 2 part cartridges, 50ml, PN08190



3M™ Manual Gun for 2 part cartridges, 200ml, PN08117



3M™ General Purpose Adhesive Cleaner, 1L, PN08984

Plastic repair guide

Plastic repair products and applications	FPRM 05900	FPRM 5901	Flexible Plastic Filler 05887	SF Adhesive 55045 Clear 04748 Black	Structural Plastic Adhesive 55047	Plastic Filler 51009	PBA 08115	Structural Adhesive 08122
Size and format	2 x 150ml tubes	50ml Duo pack	200ml Duo pack	50ml Duo pack	200ml Duo pack	500g	200ml Duo pack	50ml Duo Pack
Adhesive type	Epoxy	Epoxy	Epoxy	Urethane	Urethane	Polyester	Epoxy	Epoxy
Work time	7 mins	7 mins	5 to 7 mins	20 secs	60 secs	3 mins	90 mins	15 mins
Sanding time	20 mins	20 mins	15 mins	5 mins	15 mins	45 mins	8 hrs +	3 hrs
Flexible plastic repair cracks, tears holes etc in conjunction with crack seal tape or plastic repair patch	• Front and rear side	• Front and rear side	• Front side only					
Flexible plastic cosmetic repair deep scratches, gouges	•	•	•			•		
Rigid plastic repair (SMC, fibreglass etc) cracks, tears holes etc in conjunction with crack seal tape or plastic repair patch					•			
Rigid plastic cosmetic repair deep scratches, gouges	•	•			•	•		
Quick plastic repair tabs, light clusters, trim, etc				•				
Plastic bonding non structural					•		•	•

3M™ Flexible Parts Repair Material

3M™ Flexible Parts Repair Material (FPRM) is a two-part epoxy filler used to repair most of the plastic parts on today's vehicles. It is flexible and easy to sand. Available in two tubes (A and B), allowing for easy measuring and mixing and in a duopack cartridge.

- Easy to use
- Excellent feather edging
- Excellent sag resistance

For easy and safe application with 3M™ manual applicator (08190).

Part no.	Item	Colour	Dimension	Units per case
05900	Flexible parts repair material	Grey	150ml	6
05901	Flexible parts repair material	Grey	2 x 150ml	12
08198	Nozzle			60

Did you know?

- Using 3M super fast adhesive on the front side of a flexible patch repair before skim coating with 3M EZ sand repair material 05887 adds strength and rigidity thus expanding the utility of the flexible repair patch.
- 3M plastic repair products use both urethane and epoxy technology to provide strength, flexibility and excellent sanding qualities.
- When unknown plastics require special attention due to adhesion issues 3M panel bonding adhesive 08115 can be an excellent repair solution.
- When repairing semi rigid reinforced plastics such as RIM (reinforced injection molded) you use the same method and 3M plastic repair products as with flexible plastic such as PP (polypropylene) or TPO (thermoplastic polyolefin).



3M™ Plastic Re-enforcement Sheet, PN04904



3M™ Plastic Contour Sheet, 127mm x 3.6m, PN04903



3M™ Polyolefin Adhesion Promoter, 200ml, PN05917



3M™ Plastic Filler, 0.5kg can, PN51009

Related products

Learn more at
<http://go.3M.com/panelshop>

Adhesives

3M™ Panel Bonding Adhesive

Two-part epoxy adhesive which provides extended work-time but can be rapidly cured with heat. Excellent adhesion to a wide variety of plastic and metal substrates. When the manufacturer's directions are followed, this product can be used to bond door skins, roof skins, quarter panels and box sides. In addition, this product can be used for bumper cover repair under certain conditions.

Part no.	Size	Colour	Chemistry	Work Time	Clamp/Handling Time	Cure Time
08115	200ml	Black	Epoxy	90 min @ 21°C	4 hrs (may be accelerated with heat)	24 hrs

3M™ Impact Resistant Structural Adhesive

Two-part epoxy adhesive providing an extended work time, but can be rapidly cured with heat. Excellent adhesion to a wide variety of properly prepared automotive substrates including steel and aluminum. Intended for true structural bonding applications when specified by automotive OEMs. Recommended for all weld-bonded and rivet-bonded joints.

Part no.	Size	Colour	Chemistry	Work Time	Clamp/Handling Time	Cure Time
07333	200ml	Disp. Silver, Cures Purple	Epoxy	60 mins	8 hrs	24 hrs



Colour change feature
Curing process has begun, as indicated by silver to purple colour change (30 min at 80°C)

Did you know?

- You can weld through uncured 3M panel bonding adhesive 08115 using squeeze type resistance spot welding to form a weld bonded joint.
- 3M panel bonding adhesive 08115 works very well to repair many plastic substrates without the application of adhesion promoter.
- 3M panel bonding adhesive 08115 can be "heat set" in as little as 15 minutes to handling strength.



Related products

Learn more at
<http://go.3M.com/panelshop>



3M™ Nozzles for 200 ml cartridges, PN08193



3M™ Pneumatic Gun for 2 part cartridges, PN09930



3M™ Cubitron™ II Cut-Off Wheel, 75mm x 1mm x 9.53mm, PN33456

One-part seam sealers

3M™ Urethane and MSP Seam Sealers

A high performance seam sealer ideal for sealing interior and exterior automotive and RV seams and joints. Adheres well to properly prepared bare metal, primer and e-coat surfaces. May be welded through using STRSW equipment. Can be smoothed to a featheredge and/or brushed. Reduces the risk of redos associated with the use of solvent-based seam sealers.

- High solids, single-component, moisture-curing
- Non-shrinking and non-cracking
- Low odour
- Able to fill large voids
- Tack-free and paintable in 30–45 minutes
- May be used in direct to bare metal and aluminum applications

Part no.	Description	Colour	Type	Unit/ Carton	Size
3M™ Hybrid Range					
08851	3M™ Hybrid Seam Sealer Sprayable	Grey	Cartridge	12	290ml
08855	3M™ Hybrid Seam Sealer Caulkable	White			
3M™ Multi-Purpose Sealer					
50740	3M™ Multi-Purpose Seam Sealer	Beige	Cartridge	9	310ml
3M™ Polyurethane Range					
08694	3M™ Polyurethane Seam Sealer	Black	Cartridge	12	310ml
08684		Grey			
08689		White			
08365		Beige			
08789		Black	Sachet	12	600ml
08782		Grey			
08787		White			
08793		Black			
08783		Grey			
08788		White			

Approved
for Direct to
Bare Metal



Did you know?

- 3M urethane and MSP seam sealers can be used to replicate OEM liquid applied sound deadener applications.
- Due to the flexibility of caulk grade 3M urethane and MSP seam sealers it is best to apply minimal amounts of primer over seam sealer. If heavy primer surfacer is required be sure to add flex agent to the primer to prevent paint film cracking due to body deflection.
- You can weld through uncured caulk grade 3M urethane and MSP seam sealers using squeeze type resistance spot welding to form a weld sealed joint.
- Many different appearances of seam sealer can be obtained using a pneumatic applicator and some simple techniques to match OEM appearance.



3M™ Cubitron™ II
File Belt 786F, 10mm
x 330mm, 36+,
PN33437



3M™ Cubitron™ II
Roloc™ Fibre Disc
786C, 75 mm, 36+,
PN33389



3M™ Pneumatic Gun
for 600ml Sachets,
PN08007



3M™ Pneumatic
Applicator for 310ml
Cartridges, PN08012

Related products

Learn more at
<http://go.3M.com/panelshop>

Coatings

3M™ Cavity Wax Plus

A simple and effective way to ensure corrosion protection, one of the most important parts of automotive repairs. Non-hardening, corrosion protection for inner body panels, frame rails and structural enclosures.

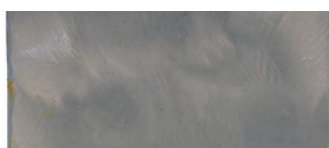
- When used according to directions 3M™ Cavity Wax Plus delivers the right amount of flow and wicking, providing consistent and uniform protection for your repair
- 3M™ Cavity Wax Plus Applicator Wand Kits provide three great options (203.2mm, 609.6mm and 863.6mm) to access hard-to-reach places when applying corrosion protection coatings



Part no.	Description	Size	Units per case
08852	Anti-Corrosion Spray	18 oz aerosol	4
08851WK	Applicator Wand Kit	8", 24" and 34" tubes	–



Without protection



3M™ Cavity Wax Plus (3 coats)

1,500 hours salt spray results

Actual panel test results
ASTM B117 1,500 hours.

Part no.	Item	Colour	Dimension	Units per pack	Units per case
08901	3M™ Inner Cavity Wax, Amber	Amber	500ml	1	12
08911			1L		
08909	3M™ Inner Cavity Wax, Clear	Clear	500ml	1	12
08919			1L		
08929			10L		

Part no.	Item	Units per pack	Units per case
08997	3M™ Air-powered Applicator Wax Coating Gun	1	1
08998	3M™ Air-powered Applicator Gun		

3M™ Weld-Thru Coating II

A sprayable, weldable, corrosion-resistant coating designed to prevent corrosion from forming between two welded metal surfaces. When applied to metal surfaces prior to welding 3M™ Weld-Thru Coating II provides corrosion protection after welding. Additionally, this product can be used to prevent corrosion on metal surfaces that will not be receiving any further treatment like body filler, primer and paint. Dries fast with minimum spatter.

Part no.	Application	Colour	Dimension	Units per pack	Units per case
50410	Surface Coating	Grey	377ml, 361 g	1	6



Sound deadening

3M™ Sound Deadening Pad

Conformable, self-adhesive sheets that can be easily custom cut and applied to vehicle floor pans, engine compartments, hoods, deck lids, inside doors and on body panels. These sound deadening pads work to suppress noise and vibration in panels.

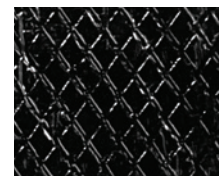
- Feature an OEM-matching diamond emboss
- Paintable
- Centre perforation for easy door panel installation
- Conformable, self adhesive backing to be applied in floor pans, hood deck lids, etc.
- May be used in direct metal to aluminum applications



Part no.	Colour	Size	Units per case
08840	Black	500mm x 500mm	10



3M™ Sound Deadening Pads may be applied to vehicle floor pans, engine compartments, spare tire compartments, hoods, deck lids, inside doors and on body panels.



Diamond pattern



3M™ Cubitron™ II
File Belt 786F, 10mm
x 330mm, 36+,
PN33437
















3M™ Panel Bonding
Adhesive, 200ml,
PN08115

Related products

Learn more at
<http://go.3M.com/panelshop>

Accessories

Accessories		Part no.	Size	Features/applications
3M™ Dynamic Mixing Nozzles		50601	50:1	DMS nozzle for filler and related products
3M™ Nozzles for 200 ml cartridges		08193	200ml	Nozzle for all 200ml
3M™ Polyolefin Adhesion Promoter		05917	200ml	Provides excellent adhesion of filler materials to TPO type substrates (Type II); compatible with all 3M Flexible, Semi-Rigid and TPO repair products
3M™ Dynamic Mixing System Nozzle Rack		50602		
3M™ Dynamic Mixing System Applicator Rack		50603		
3M™ General Purpose Adhesive Cleaner		08984	1 Litre	
3M™ Professional Panel Wipes		34567	400 sheets per roll	Excellent absorbency. Super strength when wet or dry
3M™ Dry Guide Coat, Black		09560	50g	Contains no solvents
3M™ Dry Guide Coat, Orange		50416	50g	Requires no masking
3M™ Dry Guide Coat, Applicator		09561		Gives total coverage of surface
3M™ Dry Guide Coat, 2 Black Cartridges plus Applicator Kit		51362	50g x 2	Applicator requires no cleaning
3M™ Plastic Contour Sheet		04903	127mm x 3.6m	Contour sheet to be used while creating new plastic tabs
3M™ Reinforcement Patch		04904	127mm x 3.6m	Use for reinforcing the backside of plastic repairs

Applicators

Learn more at
<http://go.3M.com/panelshop>

Applicators		Part no.	Size	Features/applications
3M™ Flexible Package Applicator		08398	310ml	A fully enclosed, all metal, rod driven, friction feed applicator gun for use with all 310ml or smaller foil flexible packages
3M™ Dynamic Mixing System Applicator		50600	All DMS products	Professional pneumatic applicator to dispense DMS products
3M™ Manual Gun for Cartridge and Sachet		08013	310ml	Designed for hand application of sealer from 310ml cartridge or sachet where an air-line is not available.
3M™ Manual Gun for 2 part cartridges		08190	50ml	Twin cartridge applicator for super fast plastic adhesive, 2-part structural adhesive and flexible parts repair material.
		08117	200ml	
3M™ Pneumatic Gun for Sachets		08006	310ml and 415ml	Lightweight, well-balanced pneumatic applicator, fitted with an air-flow regulator 'dump valve' which instantly exhausts the air when the trigger is released. Designed to extrude 310ml, 415ml and 600ml collapsible aluminium foil sachets.
		08007	310ml and 600ml	
3M™ Pneumatic Applicators for Cartridges		08012	310ml	Lightweight pneumatic applicator fitted with an air-flow regulator 'dump valve' which instantly exhausts the air when the trigger is released.
3M™ Pneumatic Gun for 2 part cartridges		09930	200ml	
3M™ Pneumatic Gun for No Cleanup		08801		This cast-aluminium hand applicator is designed to accept the disposable nozzle fitted to Sprayable Sealer Sachets or 1 kg can. When the sachet and nozzle are disposed of, the applicator remains clean and ready for the next job.
3M™ MS Universal Sealer Gun, Pneumatic		08993		This new system allows the extrusion of all kinds of single-component sealants. By using the different nozzles supplied and easily adjusting the two regulators, it sprays the product in various finishes and creates ridges of various widths. Cartridges and sachets are used with the standard nozzles supplied with the products.
3M™ Lightweight Gun		08992		Lightweight, easy to use pneumatic applicator for one-part sprayable sealer in a cartridge. By easily adjusting the air and product regulator, it allows various spray and coating finishes from very fine to textured. Ready to use, it does not require an additional nozzle.
3M™ Air-powered Applicator Wax Coating Gun		08997	1 L / 1 Kg	For use with 1 litre or 1 kg cans of 3M™ Inner Cavity Wax coating. This special air-powered Applicator allows deeper penetration of product in inaccessible areas.
3M™ Air-powered Applicator Gun		08998		

3M™ Safety Products for the Body Tech

Please visit our website to find out more on 3M's complete Personal Protection Equipment range.

3M™ Banded Ear Plugs

Protection: Against harmful noise, especially in hot/humid conditions. **Features:** Innovative flexible band concept, designed to provide optimum fit and greater comfort. Easy to put on, can be worn under the chin or behind the head for increased convenience. The plugs, which can be reordered with 3M part number (1311), are made from soft non-allergenic material. The band is designed to adjust to head and jaw movement. **Applications:** When frequently entering/exiting noisy areas, or intermittent noise is present. **Approvals:** Complies with European Standard EN 352-2:1993 SNR = 26dB. CE Marked.



Part no.	Item	Units per pack	Units per case
1310	Banded Ear Plugs	10	5
1311	Replacement Plugs	20	5

3M™ PELTOR™ Optime™ I Ear Muffs

The 3M™ PELTOR™ Optime™ I Ear Muffs offer versatile protection that is very lightweight providing high wearer comfort. The product features a low profile design which minimises obtrusiveness, thus making it more compatible when used with other PPE.

Part no.	Item	Attenuation rating	Ear plug type	Ear protection style
H510A	Ear Muffs	SNR = 27dB	Passive Ear Muff	Standard Headband Ear Muffs



3M™ Disposable Respirator 06920

Protection: Provides effective protection from fine lung damaging dusts and ozone up to 10 x WEL. **Features:** Activated carbon layers to protect against ozone. Collapse resistant design with flame retardant shell. Robust design with adjustable straps. **Approvals:** Meets EN149:2001. CE Marked.

Part no.	Item	Type	Classification	Units per pack	Units per case
06920	Disposable Respirator	Valved	FFP2	5	4



*3M strongly recommends fit testing of hearing protectors. Research suggests that many users will receive less noise reduction than indicated by the NRR due to variation in earmuff fit, earmuff fitting skill and motivation of the user. If the NRR is used to estimate typical workplace protection, 3M recommends that the NRR be reduced by 50% or in accordance with applicable regulations.

3M™ Paintshop Respirator Kit

Protection: Against organic vapours and particulates. Features: Premium quality, durable paint spray respirator with bayonet filter attachment system. Spare parts available for maintenance. Face Seal Cleaner (105) available for hygiene. Typical Applications: Paint mixing, degreasing, application of coatings, adhesives and sealers. Approvals: Meets EN140 and 141/143 with bayonet filters. CE Marked. Starter pack contains 1 Face Piece; 2 x each Organic Vapour Cartridges (06915); 2 x each Particulate Filters – P2 (06925); 2 x each Filter Retainers (501) and 10 x Face Seal Cleaners (06775).

Part no.	Item	Size	Classification	Units per pack	Units per case
06782	Starter Pack	Medium	A2P2	1	4
06783		Large			



3M™ G500 Headgear

Provides a versatile and comfortable solution for wearers who require both face and hearing protection. The G500V5FH combines a PELTOR™ Optime™ I Ear Muff with a clear PC faceshield for B rated impact protection (EN166) with a wide field of view.

Part no.	Item	Colour	SNR	Units per pack	Units per case
G500V5FH	Combination Headgear	Hi-Viz Yellow	27 dB	1	10



3M™ Comfort Safety Goggles

The Comfort Safety Goggles feature a modern, slim design and are available with two different lens options using either an acetate or polycarbonate lens. They are suitable for a number of different applications where a versatile, comfortable goggle is required.

Part no.	Item	Units per pack	Units per case
2890S	Polycarbonate Goggles for grinding and sanding (B rated, EN 166)	1	10
2890SA	Acetate Goggles for paint mixing and spraying (F rated, EN 166)		



Health and safety

Bodyshop repair processes can produce respiratory, hearing and eye hazards. Control measures (such as PPE) should be considered to protect against such hazards.*

Suggested PPE includes:

- 3M Respirators
- 3M Hearing Protection
- 3M Eye Protection

Visit the HSE website www.hse.gov.uk/mvr/bodyshop for more information

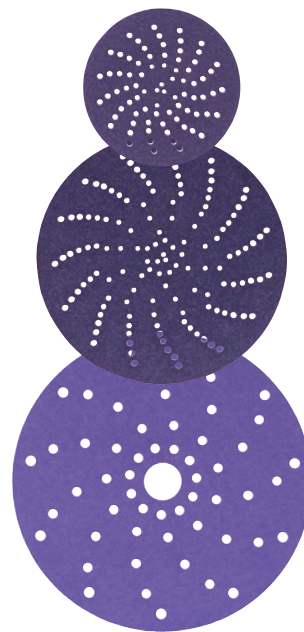
*It is ultimately the responsibility of the employer to select the most appropriate control measures, which could include Personal Protective Equipment (PPE) based on a full risk assessment.

**CUBITRON™ II****Body Repair Abrasives**

Part number reference

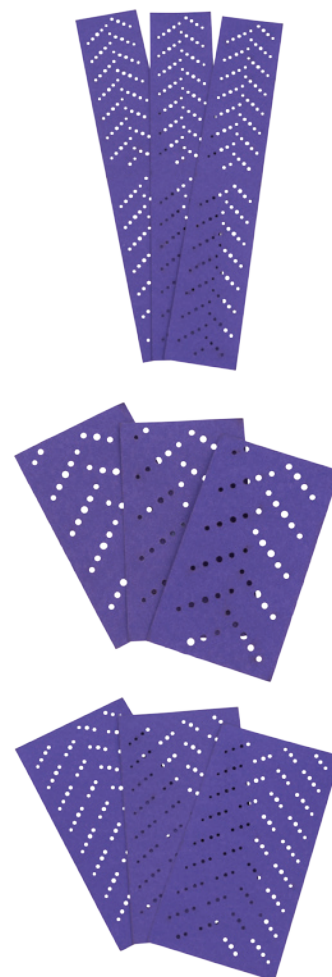
3M™ Cubitron™ II Clean Sanding Hookit™ Abrasive Discs

Part no.	Grade	Discs per box	Boxes per case	Dia.
Use with Festool disc pads				
31361	80+	50	4	75mm
31362	120+			
31363	150+			
31364	180+			
31461	220+			
51610	80+	50	10	90mm
51611	120+			
51612	150+			
51613	180+			
51614	220+			
31366	80+	50	4	125mm
31367	120+			
31368	150+			
31369	180+			
31471	220+			
51369	80+	50	5	150mm
51370	120+			
51421	150+			
51422	180+			
51423	220+			




3M™ Cubitron™ II Hookit™ File Sheets

Part no.	Grade	Sheets per box	Boxes per case	Size
Use with 3M™ Hookit™ Sanding Blocks				
51588	80+	50	6	80mm x 133mm
51589	120+			
51590	150+			
51591	180+			
51592	220+			
51599	80+	50	6	80mm x 400mm
51600	120+			
51601	150+			
51602	180+			
51603	220+			
51386	80+	50	6	70mm x 127mm
51387	120+			
51388	150+			
51389	180+			
51390	220+			
51399	80+	50	6	115mm x 225mm
51400	120+			
51401	150+			
51402	180+			
51403	220+			
51411	80+	50	6	70mm x 396mm
51412	120+			
51413	150+			
51414	180+			
51415	220+			



3M™ Cubitron™ II Roloc™ Fibre Disc 786C

Part no.	Grade	Dia.	Max. RPM	Discs per box	Boxes per case
Roloc TR (plastic button) 					
33377	36+	50mm	25,000	15	6
33379	60+				
33380	80+				
33389	36+	75mm	20,000	15	6
33391	60+				
33392	80+				

3M™ Cubitron™ II Flap Disc – T27 & T29

Part no.	Grade	Dia.	Discs per box	Boxes per case
33470	40+	115mm x 22mm	5	6
33471	60+			
33472	80+			
33476	40+	100mm x 16mm	5	6
33477	60+			
33478	80+			

3M™ Cubitron™ II Cut-Off Wheels

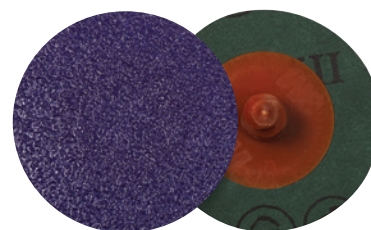
Part no.	Size	Max. RPM	Wheels per box	Boxes per case
ALWAYS USE WITH GUARD				
33456	75mm x 1mm x 9.53mm	25,465	5	6
33455	75mm x 1.6mm x 9.53mm			
33460	100mm x 1mm x 9.53mm	19,100		
33467	115mm x 1mm x 22.23mm	13,300		
33461	100mm x 1mm x 16mm	15,300		

3M™ Cubitron™ II File Belts

Part no.	Grade	W x L	Belts per box	Boxes per case
33449	36+	20mm x 520mm	10	5
33451	60+			
33452	80+			
33437	36+	10mm x 330mm	10	5
33439	60+			
33440	80+			
33443	36+	12.7mm x 457.2mm	10	5
33445	60+			
33446	80+			

3M™ Cubitron™ II Abrasive Fibre Discs

	Part no.	Grade	Diameter	Discs per box	Boxes per case
Slotted	33434	80+	180mm x 22mm	5	5
	33433	60+			
	33431	36+			
	33422	80+	125mm x 22mm	5	5
	33419	36+			
	33421	60+			
	33410	80+	115mm x 22mm	5	5
	33409	60+			
	33407	36+			
	Part no.	Grade	Diameter	Discs per box	Boxes per case
Standard	33395	36+	100mm x 22mm	5	5
	33397	60+			
	33398	80+			



Part number reference

Featured products

3M™ Heavy General Purpose Body Filler

Part no.	Item	Format	Dimension	Units per case
51078	3M™ Heavy General Purpose Body Filler	Cartridge	1.65 L	6
51079	3M™ General Purpose Body Filler			
51080	3M™ Hardener for Body Filler		55 g	12
51081	3M™ Wall Dispenser Dispenser for Body Filler			1

Part no.	Item	Format	Dimension	Units per case
51072	3M™ Heavy General Purpose Body Filler	Can	3 L	4
51073	3M™ General Purpose Body Filler			
51074	3M™ Hardener for Body Filler	Tube	100g	12
51075	3M™ Heavy General Purpose Body Filler	Can	1 L	6
51076	3M™ General Purpose Body Filler			
51077	3M™ Hardener for Body Filler	Tube	40g	24

3M™ Premium Glaze

Part no.	Item	Format	Dimension	Units per case
51212	3M™ Premium Glaze	Bottle	910ml	8

3M™ Dry Guide Coat

Part no.	Description	Units per case
09560	3M™ Dry Guide Coat, Black	10
50416	3M™ Dry Guide Coat, Orange	10
09561	3M™ Dry Guide Coat Applicator	5
51362	3M™ Dry Guide Coat Kit, Black (2 Cartridges & Applicator)	6 kits

3M™ Panel Bonding Adhesive

Part no.	Size	Colour	Chemistry	Work time	Clamp/handling time	Cure time
08115	200ml	Black	Epoxy	90 min @ 21°C	4 hrs (may be accelerated with heat)	24 hrs

3M™ Impact Resistant Structural Adhesive

Part no.	Size	Colour	Chemistry	Work time	Clamp/handling time	Cure time
07333	200ml	Disp. Silver, Cures Purple	Epoxy	60 mins	8 hrs	24 hrs



3M™ Cavity Wax Plus

Part no.	Description	Size	Units per case
08852	Anti-Corrosion Spray	18 oz aerosol	4
08851WK	Applicator Wand Kit	8", 24" and 34" tubes	–

Part no.	Item	Colour	Dimension	Units per pack	Units per case
08901	3M™ Inner Cavity Wax, Amber	Amber	500ml	1	12
08911			1L		
08909	3M™ Inner Cavity Wax, Clear	Clear	500ml	1	12
08919			1L		
08929			10L		1

Part no.	Item	Units per pack	Units per case
08997	3M™ Air-powered Applicator Wax Coating Gun	1	1
08998	3M™ Air-powered Applicator Gun		

3M™ Weld-Thru Coating II

Part no.	Application	Colour	Dimension	Units per pack	Units per case
50410	Surface Coating	Grey	377ml, 361 g	1	6

3M™ EZ Sand Multi Purpose Repair Material

Part no.	Colour	Size	Units per case
05887	Grey	200ml	6

3M™ Instant Plastic Repair Patch

Part no.	Description	Colour	Size	Units per case
05888	Flexible Bumper Patch	Black	101mm x 203mm	36
06396	Adhesion Promoter Sachet			100

Kit includes six flexible TPO patches and six adhesion promoter packets 06396.

3M™ Super Fast Plastic Repair Adhesive

Part no.	Colour	Size
55045	Clear	50ml
04748	Black	



Notes



**3M****CUBITRON™ II****Body Repair Abrasives**

See for yourself at:

<http://go.3M.com/panelshop>

5 reasons to switch to Cubitron™ II abrasives:

1. Cuts 30% faster* than conventional ceramic abrasives with less technician effort.
2. Lasts twice as long as other high-performance abrasives because of its innovative Precision-Shaped Grain Technology.
3. Products run cooler than conventional abrasives, resulting in lower chance of warping the panel or degrading the metal.
4. Delivers a finer, more-uniform finish than conventional abrasives.
5. Saves time and money with improved productivity.

For information on 3M Body Repair Solutions including products, demonstration videos and associated best practices, please visit our website.

3M supplies products for every step of the car repair process, helping to increase efficiency, productivity and profitability.

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