

3M Collision Repair Solutions
3M™ Abrasives and Power Tools

Cutting & Grinding for Body Techs



3M

BODY TECH

Cutting & Grinding Solutions

Tap into the full potential of advanced 3M™ Abrasives with a matching 3M™ Power Tool lineup that redefines the rules for auto body metalworking performance and productivity.

The 3M™ Disc Sanders, Cut-Off Wheel Tool and File Belt Sander shown in this catalog have been **carefully selected with the challenging job of the body technician in mind**. Each has been expertly designed to give the highest possible level of performance when coupled with world class abrasives from 3M.

When job quality and productivity matter most, turn to the best-in-class metal cutting and grinding abrasives and tools from 3M!



Engineered to Give You More



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3M™ Pistol Grip Disc Sander

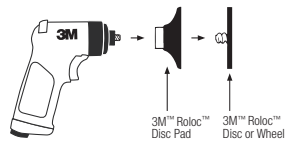
Powerful, lightweight tool that has excellent balance. The pistol grip design enables the body tech to sand in hard-to-reach areas such as those found in door jambs, bumpers, headlight lens, etc. with tremendous ease. Ergonomic for operator comfort and low noise level. Variable speed adjustment (15,000 RPM) for fast stock removal. Two attachment options — direct mount and collet mount.

Part No.	Desc.	Motor HP	Max. RPM	PSI	Airflow SCFM (LPM)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Thread Size	Units per Case
Use with 2" and 3" Discs*										
051141- 28547	Rotary	0.45	15,000	90	22 (623)	1.79 (0.81)	4.8 (122)	5.35 (136)	1/4-20 EXT	1

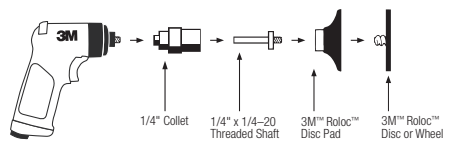
*Tool includes a 3" 3M™ Roloc™ Disc Pad and a 1/4" x 1/4-20 Threaded Shaft for use with 3" discs. To use with 2" discs, the 2" 3M™ Roloc™ Disc Pad Assembly (PN 051144-05539) is available, sold separately. See page 5 for details.



Short Direct Mount



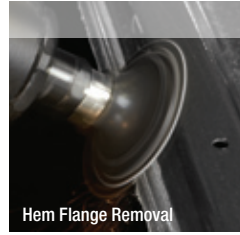
Tall 1/4" Collet Option



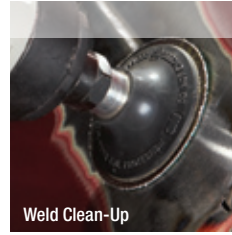
Window Urethane Removal

3M™ Roloc™ Discs

Versatility is key to productivity. With 3M™ Roloc™ Discs, a quick 1/2 turn on, 1/2 turn off speeds disc changing.



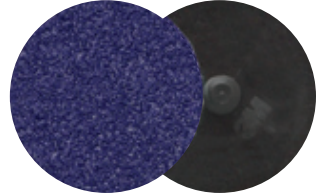
Hem Flange Removal



Weld Clean-Up

3M™ Purple Roloc™ Discs

Best in class 3M™ Purple Disc with Roloc™ attachment. One piece molded backing for increased performance, consistent finish and longer disc life. 3M™ Ceramic Aluminum Oxide abrasive grain for superior performance in metal grinding applications. Great for hardened steels.

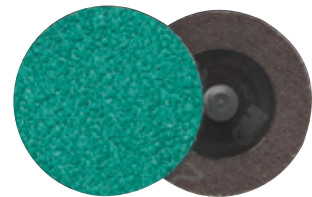


Part No.	Grade	Dia.	Max. RPM	Discs per Box	Boxes per Case
Roloc TR (Plastic Button) 					
051131- 01343	24	3"	20,000	15	6
051131- 01344	36	3"	20,000	15	6
051131- 01345	50	3"	20,000	15	6
051131- 01346	80	3"	20,000	15	6

For accessories, see page 5.

3M™ Green Corps™ Roloc™ Discs

Generally used for hard-to-reach areas in paint, rust, and weld removal, 3M™ Green Corps™ Roloc™ Discs have the versatility of the Roloc attachment system with the premium quality of 3M™ Green Corps™ brand. Green in color with a durable cloth backing. Fits any standard 1/4" drill or air tool.

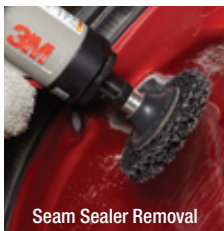


Part No.	Grade	Dia.	Max. RPM	Discs per Box	Boxes per Case
Roloc TR (Plastic Button) 					
051131- 01398	24	2"	25,000	25	10
051131- 01397	36	2"	25,000	25	10
051131- 01396	50	2"	25,000	25	10
051131- 01408	24	3"	20,000	25	10
051131- 01407	36	3"	20,000	25	10
051131- 01406	50	3"	20,000	25	10

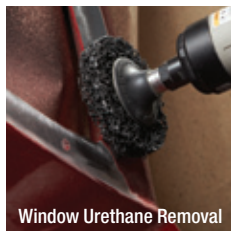
For accessories, see page 5.



Coatings Removal



Seam Sealer Removal



Window Urethane Removal


3M™ Specialty Abrasives

Use these 3M™ Specialty Abrasives with the 3M™ Pistol Grip Disc Sander as a safer alternative to wire bristle tools. Ideal for hard-to-reach areas.

Scotch-Brite™ Roloc™ and Roloc™ + Clean and Strip XT Discs

Best in class disc, made from an extremely durable three-dimensional web that has a soft edge, allowing it to remove paint and other coatings in hard-to-get-at creases and dents with less metal removed.



Part No.	Description	Grade	Size	Max. RPM	Unit	Units per Case
Roloc TR (Plastic Button) 						
051131- 07476	Roloc	Extra Coarse	3"	15,000	Each	10
051131- 07470	Roloc +	Extra Coarse	4"	8,500	Each	10


For accessories, see page 5.

Scotch-Brite™ Roloc™ and Roloc™ + Clean and Strip TR Discs

Aggressively removes paint and rust from seams, door jambs, drip moldings, pinchwelds and other difficult-to-reach areas.

Three-dimensional abrasive web conforms to work area. Safer than wire bristle tools. 3M's standard class abrasive. More conformable than Clean and Strip XT disc.



Part No.	Description	Grade	Size	Max. RPM	Unit	Units per Case
Roloc TR (Plastic Button) 						
051131- 07461	Roloc	Extra Coarse	3"	15,000	Each	10
051131- 07466	Roloc +	Extra Coarse	4"	8,500	Each	10

For accessories, see page 5.

3M™ Roloc™ Disc Accessories

The following accessories are available to help optimize the performance of your 3M™ Roloc™ and Roloc™+ Abrasives.

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 2" or 3" 3M™ Roloc™ Disc Pad, shaft and adaptor.



Part No.	Size	Max. RPM	Unit	Units per Case
051144- 05539	2"	25,000	Assembly	10
051144- 05540	3"	20,000	Assembly	10



3M™ Roloc™+ Holder

Allows use of Scotch-Brite™ Roloc™+ Clean and Strip Disc on your tool. The 1/4" shank fits into any recommended standard tool with 1/4" collet. Quick and easy to use.



Part No.	Size	Unit	Units per Case
051144- 07500	2"	Each	10

3M™ Cut-Off Wheel Tool

3M™ Cut-Off Wheel Tools can deliver fast, smooth performance. These 1 HP tools have the power you need to cut through carbon steel, stainless steel and other materials. Compact design with built-in safety features for easy handling. 3M™ Gripping material molded into tool housing for greater operator comfort.



Part No.	Desc.	Motor HP	Max. RPM	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Air Inlet Thread	Units per Case
ALWAYS USE WITH GUARD								
051141- 20233	Rotary	1	25,000	2.09 (.95)	7.75 (196.9)	3 (76.2)	1/4" NPT	1



Spot Weld Removal



Panel Cutting

3M™ Cut-Off Wheels

Designed for cutting and heavy stock removal of metals and fiberglass.

3M™ Green Corps™ Cut-Off and Reinforced Weld Grinding Wheels

Used for cutting autobody sheet metal, frame rails, exhaust pipes, clamps and rusted bolts. Constructed with premium grade ceramic material for longer life and faster cut. For use on utility type cut-off tools. **DO NOT USE WITHOUT GUARDS!**



Part No.	Size	Max. RPM	Wheels per Pack	Packs per Case
051131- 01989	3" x 1/32" x 3/8"	35,000	5	10
051131- 01990	3" x 1/16" x 3/8"	28,000	5	10
051131- 01991*	3" x 3/16" x 3/8"	20,375	5	10

*Thicker wheel for weld grinding.



Hem Flange Removal

3M™ Disc Sander

Designed to perfectly match 3M's coated and surface conditioning discs with MOS Ratings of 12,000 RPM or greater. Removable side handle furnished with tool. 3M™ Gripping material molded into tool housing for greater operator comfort. Right angle steel gear head with grease fitting for increased gear life. Rear exhaust.

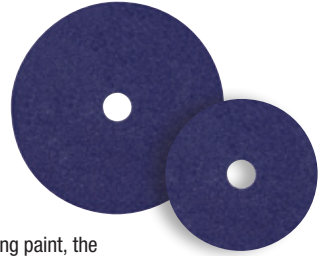


Part No.	Desc.	Motor HP	Max. RPM	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Thread	Air Inlet Thread	Units per Case
051141- 28408	Rotary	1	12,000	3.10 (1.4)	8.25 (209.6)	9.23 (107.4)	5/8-11 EXT	3/8" NPT*	1

*3/8" – 1/4" air inlet reducer included with tool.

3M™ Fibre Discs

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

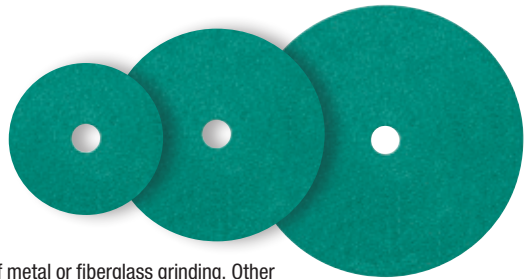


3M™ Purple Fibre Discs

Ceramic aluminum oxide mineral allows for faster cutting of welds. When stripping paint, the improved construction resists loading while generating less heat. 3M's performance class abrasive.

Part No.	Grade	Dia. x Ctr.	Max. RPM	Discs per Bag	Bags per Case
051131- 01945	24	5" x 7/8"	12,000	10	5
051131- 01944	36	5" x 7/8"	12,000	10	5
051131- 01943	50	5" x 7/8"	12,000	10	5
051131- 01953	24	7" x 7/8"	8,600	10	5
051131- 01952	36	7" x 7/8"	8,600	10	5
051131- 01951	50	7" x 7/8"	8,600	10	5

For accessories, see page 9.



3M™ Green Corps™ Fibre Discs

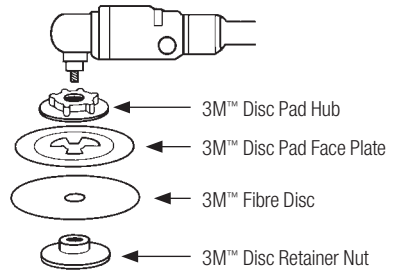
Used for grinding door skins, MIG welds or any kind of metal or fiberglass grinding. Other applications include paint, rust, and weld removal and metal work. 3M's standard class abrasives.

Part No.	Grade	Dia. x Ctr.	Max. RPM	Discs per Bag	Bags per Case
051131- 01915	24	5" x 7/8"	12,000	20	5
051131- 01914	36	5" x 7/8"	12,000	20	5
051131- 01913	50	5" x 7/8"	12,000	20	5
051131- 01923	24	7" x 7/8"	8,600	20	5
051131- 01922	36	7" x 7/8"	8,600	20	5
051131- 01921	50	7" x 7/8"	8,600	20	5
051131- 01929	24	9-1/8" x 7/8"	6,600	20	5
051131- 01928	36	9-1/8" x 7/8"	6,600	20	5
051131- 01927	50	9-1/8" x 7/8"	6,600	20	5

For accessories, see page 9.

3M™ Fibre Disc Accessories

The following accessories are available to help optimize the performance of your 3M™ Disc Sander and Abrasives.



3M™ Disc Pad Hub

Disc pad hub 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
051144- 45205	2-1/2" x 5/8–11 INT	all 4"–9" face plates	Each	10
051144- 45190	4-1/2" x 5/8–11 INT	7", 8" and 9" face plates	Each	10



3M™ Disc Pad Face Plate — Ribbed

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

Part No.	Size	Desc.	Max RPM	Unit	Units per Case
051144- 81733	5"	Hard Black	12,000	Each	10
051144- 80515	7"	Hard Black	8,600	Each	10
051144- 81729	9"	Hard Black	6,600	Each	10



3M™ Disc Retainer Nuts

Use with 3M™ 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
051144- 02618	5/16" x 5/8–11 INT	Each	10
051144- 05622	3/8" x 5/8–11 INT	Each	10



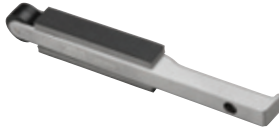
3M™ File Belt Sander

This air-powered sander is lightweight, durable and constructed with the operator's comfort and efficiency in mind. Grind and blend from contact wheel or platen. Both belt housing/guard and handle rotate a full 360° to easily to get into hard-to-reach areas. Comfortable 3M™ Gripping material minimizes vibration.



Part No.	Motor HP	Max. RPM	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Width Inch (mm)	Units per Case
Belt Speed: 4990 SFPM (1521 SMM)							
051141- 28366	.06	22,000	2.8 (1.3)	14.57 (370)	2.93 (74.5)	5.95 (151.2)	1

Standard style attachment arm (PN 051141-28368) included with tool.
For use with 1/2" x 18" belts.



Great alternative to spot weld drilling!

Fast Cut • Improved Control • Reduced Fatigue
Ideal for Hard-to-reach Spots



Spot Weld Removal

3M™ File Belts

Ideally suited for use with the 3M™ File Belt Sander for a variety of metalworking applications in the auto body shop.

3M™ Green Corps™ Abrasive Belts

For use with 3M™ File Belt Sander as an improved alternative to spot weld drilling and many common body shop metal grinding applications. Works great with file belt tools for controlled and ease of grinding. Features a grinding aid for cooler grinding. Durable abrasive mineral for great cut and longer belt life. Heavy-duty polyester cloth backing helps resist tearing for longer life.



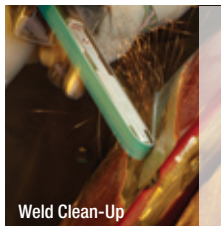
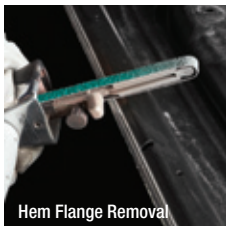
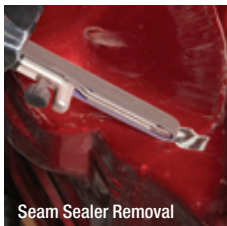
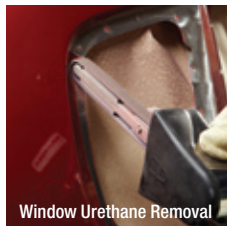
Part No.	Grade	W x L	Belts per Box	Boxes per Case
051131- 31801	36	1/2" x 18"	20	5
051131- 31804	80	1/2" x 18"	20	5

Scotch-Brite™ Durable Flex Belt

Aggressive and long-lasting non-woven belt is reinforced with low stretch backing for durability. Produces a fine and consistent finish. Great for general surface prep for welding and adhesive bonding. Cleans welds and hot spots. Feathers edges for plastics repair.



Part No.	Grade	W x L	Belts per Case
048011- 64475	A CRS	1/2" x 18"	20



3M™ Safety Products for the Body Tech

Protecting technicians' health helps protect the whole business — when they aren't working, productivity and profitability goes down. 3M's expanded safety solution portfolio can help protect workers: A collision repair shop's most valuable resource!

3M™ Pistonz™ Corded Earplug

Corded, push-to-fit earplugs are stylish hearing protection that feature soft foam tips with a silver metallic look and a convenient thumb-grip stem. No-roll foam makes fitting easy; simply push the earplug into the ear canal and twist to adjust the fit.



Part No.	Size	NRR*	Pairs per Box	Boxes per Case
093045- 93402	One Size Fits Most	29 dB.	100	4

3M™ Peltor™ Optime™ 95 Behind-the-Head Earmuffs

Features low-profile earcups that fit well with most helmets, eyewear and other safety equipment. Ultra light with liquid/foam-filled earmuff cushions.



Part No.	Size	NRR*	Case Inner Pack	Each per Case
093045- 08062	One Size Fits Most	21 dB.	1	10

3M™ Particulate Welding Respirator, N95

Designed to help provide comfortable, reliable protection for applications such as welding, soldering, cutting, grinding, and sanding. Features the 3M™ Cool Flow™ Exhalation Valve, adjustable M-noseclip, and braided headband to help provide a custom and secure seal.



Part No.	Size	Each per Box	Boxes per Case
051131- 07189	One Size	10	8

*The Noise Reduction Rating (NRR) may overestimate the hearing protection provided during typical use. 3M recommends reducing the NRR by 50% for estimating the amount of noise reduction provided.

3M™ Half Facepiece Respirator Packout with 3M™ Particulate Filters, P100

Designed for the technician who is working in applications where a respirator is required to help protect against potential exposure to grinding dust and welding fumes. The replaceable P100 filter (07184) contains a layer of activated charcoal affording a nuisance level* of relief from organic vapors in applications such as undercoating and welding fume when the potential of ozone exposure exists. Low maintenance respirator design allows the filters to be replaced and the facepiece to be maintained and reused until it becomes worn or damaged.



Part No.	Size	Filter	Case Inner Pack	Each per Case
051131-07181	Small	07184/2097, P100	1	20
051131-07182	Medium			
051131-07183	Large			



*Concentrations not exceeding OSHA PEL, or applicable government exposure limits, whichever is lower.

3M™ H8A Headgear/WP96 Faceshield

A combination headgear and faceshield safety system. Includes H8A ratchet headgear and WP96 polycarbonate faceshield. Adjustable ratchet suspension. Molded faceshield provides impact protection. Meets the requirements of ANSI Z87.1-2010. Requires protective eyewear, sold separately.



Part No.	Size	Case Inner Pack	Each per Case
82783-00000	One Size Fits Most	1	5

3M™ Virtua™ Protective Eyewear

Lightweight, unisex protective eyewear combines versatility and value with high wraparound coverage, polycarbonate construction and a hard coat, scratch-resistant lens for a comfortable, contoured fit. Meets the requirements of ANSI Z87.1-2010.



Part No.	Size	Color	Case Inner Pack	Each per Case
11326-00000	One Size Fits Most	Clear Frame, Clear Lens	1	20

⚠ WARNING: HEARING PROTECTION

These hearing protectors help reduce exposure to hazardous noise and other loud sounds. **Misuse or failure to wear hearing protectors at all times that you are exposed to noise may result in hearing loss or injury.** For proper use, see supervisor, *User Instructions*, or call 3M Occupational Health and Environmental Safety Division (OH&ESD) Technical Service in the U.S.A. at 1-800-243-4630. In Canada, call 1-800-267-4414. If there is any drainage from your ear or you have an ear infection, consult with your physician before wearing ear plugs. Failure to do so may result in hearing loss or injury.

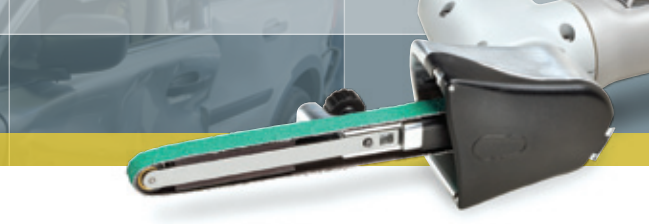


⚠ WARNING: RESPIRATORS

These respirators help protect against certain airborne contaminants. Before use, the wearer must read and understand the *User Instructions* provided as a part of the product packaging. A written respiratory protection program must be implemented meeting all the requirements of OSHA 29 CFR 1910.134 including training, fit testing and medical evaluation. In Canada, CSA standards Z94.4 requirements must be met and/or requirements of the applicable jurisdiction, as appropriate. **Misuse may result in sickness or death.** For proper use, see package instructions, supervisor, or call 3M Occupational Health and Safety Division (OH&ESD) Technical Service in U.S.A. at 1-800-243-4630. In Canada, call 1-800-267-4414.

⚠ WARNING: PROTECTIVE EYEWEAR

These eye and face protection products help provide limited eye and face protection. **Misuse or failure to follow warnings and instructions may result in serious potential injury, including blindness or death.** For proper use, selection, and applications against flying particles, optical radiation and/or splash see supervisor, read *User Instructions* and **WARNINGS** on the package, or call 3M Occupational Health and Environmental Safety Division (OH&ESD) Technical Service in the U.S.A. at 1-800-243-4630. In Canada, call 1-800-267-4414.



For information on 3M Collision Repair Solutions including products, demonstration videos and associated best practices, please visit:

3Mcollision.com

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