3M Science. Applied to Life.™

NEW! 3M™ File Belt System for Auto Repair

Make it easy!

Ideal for deburring, cleaning, blending, finishing & more in tight, hard-to-reach places

Now you can blast through tough cleaning chores – faster, easier and more efficiently, with the 3M File Belt System

3M™ Power Tools and Abrasives set the world standard for performance and productivity in a wide range of metalworking applications – from grinding and dimensioning hard metals to cleaning and polishing soft materials like aluminum.

Now you can put that expertise to work in your shop, with the 3M™ File Belt System – designed to save you time and effort on tough automotive cleaning jobs.

A complete system, designed for increased productivity

The 3M file belt system features high performance abrasives like Scotch-Brite™ Durable Flex Belts and 3M™ Cubitron™ II File Belts – ideal for tough detail work such as cleaning, deburring, blending and finishing on a variety of metals. These belts combine aggressive cutting action with higher flexibility to clean fast, with less chance of gouging.

To get the most out of your Scotch-Brite and Cubitron II belts, we've paired them up with our rugged .6 hp 3M™ File Belt Sander – a professional-grade tool that allows you to get into tight places. This gives you a complete system, optimized to make tough clean and prep chores a breeze!

Here are just a few of the applications where the 3M file belt system can save time, money – and your knuckles:

1 Clean & prep brake caliper pockets
Removing rust, brake dust and other contaminants with wire brushes, files and other tools can be tedious and time-consuming. The 3M file belt system speeds up tough cleaning jobs like this, while giving you more control to prevent gouging.

2 Cleaning wheel rims
Removing corrosion prior to mounting the tire is critical, in order to avoid bead leaks. The 3M file belt system makes this job quick and easy, and it is also ideal for prepping surfaces prior to attaching stick-on wheel weights and prepping centering hubs.

3 Prepping steering knuckles
Steering knuckle housing and mating surfaces need to be free of corrosion and other contaminants in order to ensure proper installation of the wheel bearing hub assembly. The 3M file belt system lets you get into deep indentations and complex surfaces, making cleanup fast and easy.

3M™ File Belt Sander

Model No.
28366

Motor	Max RPM	Belt Speed SFPM (SMM)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Width Inch (mm)	Airflow Rate SCFM (LPM)	UPC (05114-)
0.6 HP	22,000	4990 (1521)	2.8 (1.3)	14.57 (370)	2.93 (74.5)	5.95 (151.2)	28 (793)	28366-1

3M File Belt Sanders come with a one-year limited warranty and the standard style attachment arm (part #28368). Contact your 3M Authorized Distributor for tool service.

Scotch-Brite™ Durable Flex File Belts

Width	Length	Grade	UPC (048011-)	Qty./ Case
½"	18"	A CRS	64475-2	20
		A MED	64458-5	
		A FIN	64467-7	

3M™ Cubitron™ II File Belts

Width	Length	Grade	UPC (051131-)	Belts/ Box	Boxes/ Case
½"	18"	36+	33443-4	10	5
		60+	33445-8		
		80+	33446-5		

3M™ File Belt Sander Attachment Arms

Part No.
28368

Part No.
28369

Width	Length	Description	UPC (051141-)	Qty./ Case
½"	18"	**Standard style:** Standard arm included with 3M™ File Belt Sander. Sand with contact wheel or platen.	28368-5	1
		Thin style: Thinner arm makes it easier to use in narrower spaces. Sand with contact wheel or platen.	28369-2	

3M

CUBITRON™ II

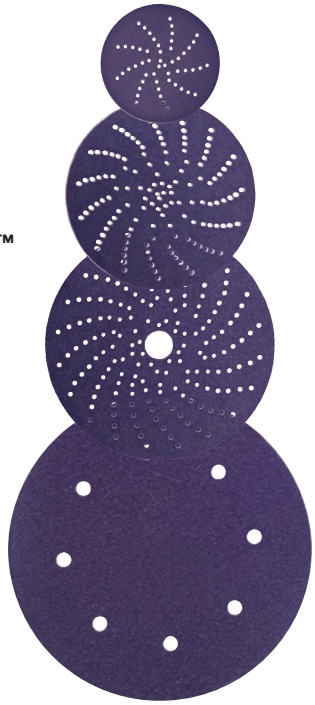
Abrasives

Part Number Reference

Finer grades for your body shop!
Available in discs and sheet rolls.

240+ 320+

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



Part No.	Size	Grade	Case Qty.
31361	3 in	80+	50 Discs/Box 4 Boxes/Case
31362		120+	
31363		150+	
31364		180+	
31461		220+	
31462		240+	
31463		320+	
31366	5 in	80+	50 Discs/Box 4 Boxes/Case
31367		120+	
31368		150+	
31369		180+	
31471		220+	
31472		240+	
31473		320+	
31370	6 in	40+	25 Discs/Box 4 Boxes/Case
31371		80+	50 Discs/Box 4 Boxes/Case
31372		120+	
31373		150+	
31374		180+	
31481		220+	
31482		240+	
31483		320+	
31375	8 in	40+	25 Discs/Box 4 Boxes/Case
31376		80+	

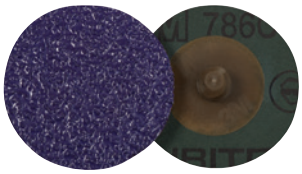
3M™ Cubitron™ II Hookit™ File Sheets

Part No.	Size	Grade	Case Qty.
34490	2-3/4 in x 16-1/2 in	40+	25 Sheets/Box 4 Boxes/Case
34492		80+	
34494		120+	50 Sheets/Box 4 Boxes/Case
34495		150+	
34496		180+	
34497		220+	

3M™ Cubitron™ II Clean Sanding Hookit™ Sheet Rolls

Part No.	Size	Grade	Case Qty.
34440	2-3/4 in x 8.75 yd	40+	1 Roll/Box 5 Boxes/Case
34442	2-3/4 in x 13 yd	80+	
34444		120+	
34445		150+	
34446		180+	
34447		220+	
34448		240+	
34449		320+	

3M™ Cubitron™ II Fibre Roloc™ Discs



Part No.	Size	Grade	Case Qty.
33377	2 in	36+	15 Discs/Box 6 Boxes/Case
33379		60+	
33380		80+	
33389	3 in	36+	15 Discs/Box 6 Boxes/Case
33391		60+	
33392		80+	

3M™ Cubitron™ II File Belts

Part No.	Size	Grade	Case Qty.
33437	3/8 in x 13 in	36+	10 Belts/Box 5 Boxes/Case
33439		60+	
33440		80+	
33443	1/2 in x 18 in	36+	10 Belts/Box 5 Boxes/Case
33445		60+	
33446		80+	
33449	3/4 in x 20-1/2 in	36+	10 Belts/Box 5 Boxes/Case
33451		60+	
33452		80+	

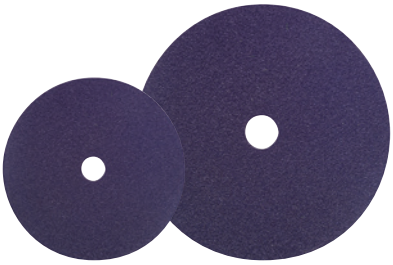
3M™ Cubitron™ II Flap Disc — T29

Part No.	Size	Grade	Case Qty.
33470	4-1/2 in x 7/8 in	40+	5 Discs/Box 6 Boxes/Case
33471		60+	
33472		80+	

3M™ Cubitron™ II Cut-Off Wheels

Part No.	Size	Grade	Case Qty.
33455	3 in x 1/16 in x 3/8 in	—	5 Wheels/Box 6 Boxes/Case
33456	3 in x 1/25 in x 3/8 in	—	
34460	4 in x 1/25 in x 3/8 in	—	

3M™ Cubitron™ II Abrasive Fibre Discs



Part No.	Size	Grade	Case Qty.
33413	5 in x 7/8 in	36+	5 Discs/Box 5 Boxes/Case
33415		60+	
33416		80+	
33425	7 in x 7/8 in	36+	5 Discs/Box 5 Boxes/Case
33427		60+	
33428		80+	

1 Cuts 30% faster and lasts twice as long as conventional ceramic abrasives because of 3M Precision-Shaped Grain technology.

2 Requires less pressure and helps reduce technician fatigue.

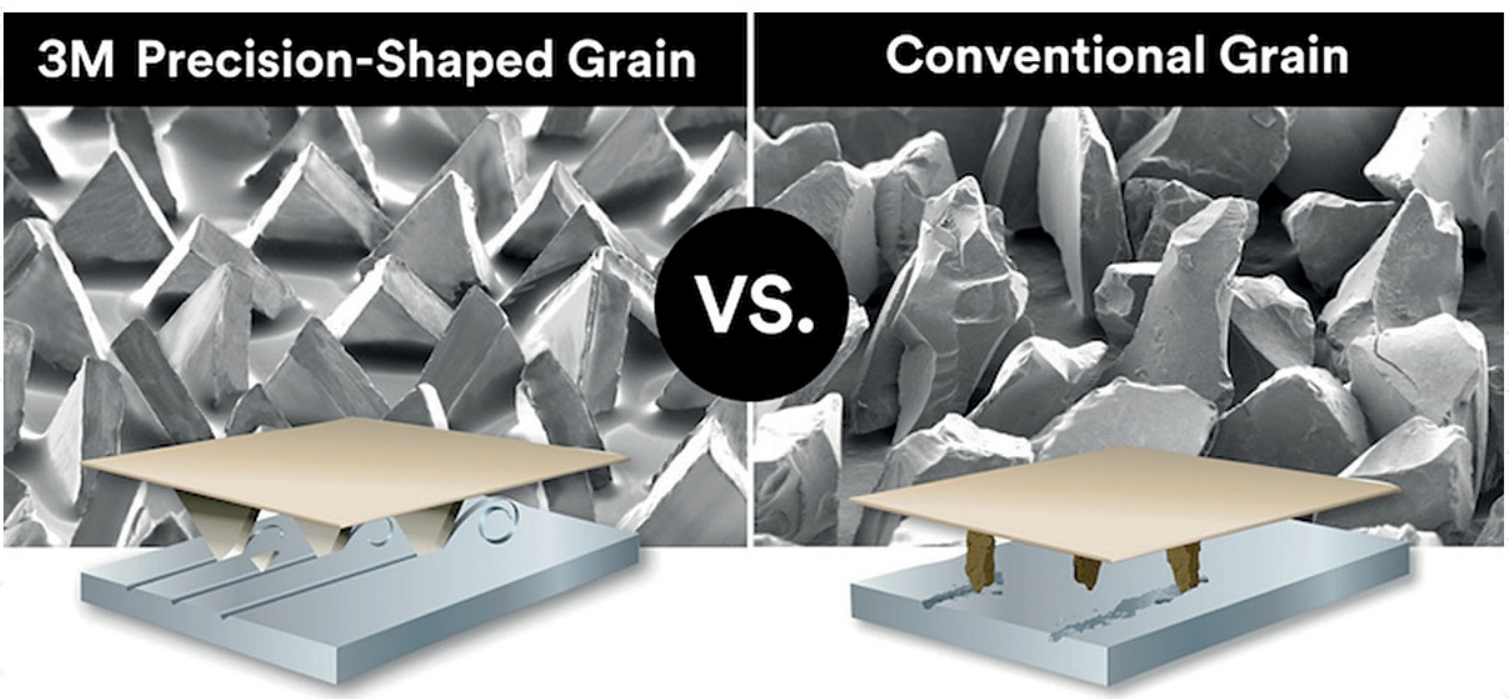
3 Runs cooler for improved quality

4 Delivers a finer, more uniform finish

5 Saves time and improves productivity

3M Precision-Shaped Grain

The science of speed



3M Precision-Shaped Grain in the Cubitron II discs continuously fractures to form sharp points and edges — slicing cleaner, faster, staying cooler and lasting many times longer.

Conventional ceramic abrasive grain is irregular in shape. Instead of a clean, machining action, the grain "plows" through the metal, causing heat build up, slower cutting and shorter life.

Hear why his shop switched to 3M™ Cubitron™ II Abrasives.

3M

Coated Abrasive Belts and Scotch-Brite™ Surface Conditioning Belts

Safety Information

- ***Deliver this insert with product to operator.***
- ***Read this entire insert before mounting product on tool or machine.***
- ***Post this insert in the work area.***

Read the Safety Data Sheets (SDS) before using any materials.

Contact the suppliers of the workpiece materials and abrasive materials for copies of the SDS if one is not readily available.

⚠ WARNING!

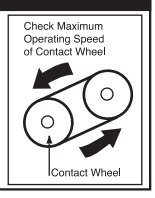
Exposure to DUST generated from workpiece and/ or abrasive materials can result in lung damage and/or other physical injury.
Use dust capture or local exhaust as stated in the SDS. Wear government-approved respiratory protection and eye and skin protection.
Failure to follow this warning can result in serious lung damage and/or physical injury.

⚠ WARNING!

- Product can break apart during use and cause injury if damaged or run too fast.
- Always wear recommended and appropriate eye, face, ear, hand, and body protection. Injury to face* and eyes* can result if product fails. See ANSI Z87.1 for proper safety equipment.
- Excessive operating speed or generation of extreme heat may result in harmful emissions. Use local ventilation.

⚠ WARNING!

- Never exceed the Maximum Operating Speed of the contact wheel, accessory or belt.
- Exceeding the Maximum Operating Speed can cause product or contact wheel to break apart and may cause injury.



The Maximum Operating Speed for all Scotch-Brite™ Surface Conditioning belts is 6,500 surface feet per minute. Coated abrasive belts, including 3M™ Trizact™ belts, do not have a speed rating; refer to the Max. RPM of the contact wheel.

⚠ WARNING!

Abusive operations can cause belt to break apart.

- Replace belts when damaged (kinked, cracked, nicked, torn, folded or punctured) or worn out.
- Inspect contact wheel or accessory and replace if damaged (cracks, nicks or wear).
- Inspect product and replace when damaged or worn out.
- Do not modify or alter product construction in any way. Altering the product can cause the product to break apart and cause injury.
- Contacting the edge of the belt may result in belt breakage.
- Carefully mount the belt on the machine per tool manufacturer's recommendations. Use the proper machine safety guards.
- Check for proper belt tension and tracking. If arrows on the backing are present, make sure they point in the direction of rotation.
- Product should only be used by trained operators or under direct supervision of experienced personnel.

⚠ WARNING!

- Sparks and particles generated from normal product operation can cause fire or explosion.
- Remove flammable or explosive material from work area.
- Do not use in dusty, flammable or explosive environments.
- Do not use on flammable or explosive materials.
- Direct sparks away from face and body.
- Consult your plant safety engineer for safe work set-up.

- To avoid a fire hazard, do not mix metal swarf with wood swarf in the same dust collector.
- Consult with engineering/safety personnel for flammability hazards.
- Install a spark arrestor or fire quenching unit in the ductwork ahead of the dust collector if a sparking hazard exists where flammable dusts are being generated.

⚠ CAUTION!

Abusive operations can cause belt to break apart.

- Improper work set-up can cause workpiece to be thrown or propelled through equipment when belt makes contact.
- Stop immediately if vibration or unusual noises occur during use. Determine cause and correct before continuing.
- Make sure the belt fully covers the contact wheel face in off-hand operations.
- Make sure no one is standing in front or in back of the belt when starting machine.
- Check feed rolls frequently on conveyor belt machines to be sure they hold evenly across the width of the workpiece.
- Avoid contact with moving belt edge or surface or severe cuts and abrasions could result.
- Hold the workpiece in position with clamps, stops or fixtures when using portable tools.
- Always abrade on the belt below the horizontal centerline of the contact wheel when using contact wheel belt sanders and open-drum sanders.

Incorrect storage could affect safety as well as product performance.

- Store coated abrasive belts at temperatures between 60-80ºF (15-27ºC) and between 35-50% relative humidity.
- Do not use belts with abnormally curled shape.
- Store surface conditioning products at temperatures below 150ºF (65ºC) and limit exposure to water and high humidity.

- Features 3M's tough and best in class Cubitron™ II mineral
- Grains of ceramic/aluminum oxide blend are precisely-shaped, uniformly-sized and vertically oriented
- Slices through hard metal for fast cut
- Cubitron™ II abrasives run cooler, reducing risk of metal discoloration/oxidation and heat related stress cracks
- A grinding aid further enhances cooler running on high-strength steel
- Exceptionally long-lasting belt performs consistently and reliably throughout its life
- Used with the 3M™ File Belt Sander, easily grinds out rivets and spot welds

Our 3M™ Cubitron™ II File Belts 786F is a 3M best-in-class abrasive belt, designed for use with the 3M™ File Belt Sander, for tasks like grinding out rivets and removing spot welds. 3M Precision Shaped Grain is resin-bonded on a heavy duty backing for a more consistent finish, cooler operation and two times more belt life. The resin bond and a grinding aid keep this belt cutting cool and sharp.

Make Light Work of Tough Tasks with Cubitron™ II
Ideal for tough detail work like cleaning, deburring, blending and finishing as well as working in small confined spaces, our 3M™ Cubitron™ II File Belts 786F is available in three grades — 36+, 60+ and 80+ — and widths including 3/8", 1/2" and 3/4" as well as lengths of 13", 18" and 20.5".

The exceptionally fast cut and long life of 3M™ ceramic abrasive grain enable this slim belt to accomplish a remarkable degree of work. Its fast cutting action helps eliminate burning or other forms of thermal damage, as well.

About 3M™ Cubitron™ II and Precision-Shaped Grain
3M™ Cubitron™ II abrasive discs, cutoff wheels and file belts have raised the bar for high-performing abrasives. Cubitron™ abrasives feature Precision-Shaped Grain (PSG) technology, which allows our engineers to control the geometry of the abrasive grain for a truly fast, efficient cut. Instead of simply crushing the abrasive into particles, 3M uses microreplication to uniformly size ceramic grains and precisely shape them into triangular structures — essentially, sharp peaks that slice, not plow, through paint and metal. These grains are electrostatically oriented on the abrasive surface for the most efficient cut and even wear. What's more, PSG fractures during use to maintain sharp abrasive edges. The result: Cubitron™ II cuts 30% faster and lasts 2x longer than conventional ceramic abrasives.

An Alternative to Spot Weld Drilling
The 3M™ File Belt Sander and 3M™ Cubitron™ II File Belts 786F are a great addition to body shop tool rooms. They are a vastly superior alternative to spot weld drilling.

Our 3M file belt system features high performance abrasives for tough detail work such as cleaning, deburring, blending and finishing

In addition a traditional spot weld drill goes back on the shelf. versatile file belt tool can also be used for other jobs —

- Clean and prep brake caliper pockets: Removing rust, brake dust and other contaminants with wire brushes, files and other tools can be tedious and time-consuming. The 3M file belt system speeds up tough cleaning jobs like this, while giving you more control to prevent gouging.
- Clean wheel rims: Removing corrosion prior to mounting the tire is critical, in order to avoid bead leaks. The 3M file belt system makes this job quick and easy, and it is also ideal for prepping surfaces prior to attaching stick-on wheel weights and prepping centering hubs.
- Prep steering knuckles: Steering knuckle housing and mating surfaces need to be free of corrosion and other contaminants in order to ensure proper installation of the wheel bearing hub assembly. The 3M file belt system lets you get into deep indentations and complex surfaces, making cleanup fast and easy.

3M Science. On the Cutting Edge of Performance
Cubitron™ II abrasives are only one example of how the need for process improvements, new solutions and alternatives drives the development of new abrasive technologies. 3M is already working on the next breakthrough to make your life and your work better, safer and more profitable.