

3M™ Abrasive Belts for Metalworking

Choose the  
**Best Belt**  
for **Your Application**

**Start with the basics:**

- What substrate are you grinding?
- What tool or equipment do you use?
- What belt grade/size is required?
- How many belts do you use in a month?
- Any issues with your current belt?



**3M**

## Find the right fit:

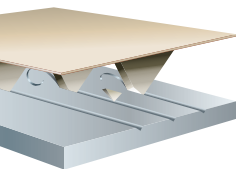
- 1 Identify the tool or equipment
- 2 Determine the appropriate belt size and grade
- 3 Select an abrasive belt product
  - 3M™ Cubitron™ II Belts 947A
  - 3M™ Belts 577F
  - 3M™ Belts 341D
  - Scotch-Brite™ Durable Flex Belts



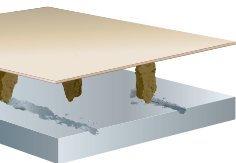
Custom size belts are available for all products. Look for this star (★) for the make-to-order part number, then build your own in 3M InfoCenter.

**TIP:** Use the “Belt Basics” table to help determine the best belt for your application.

## How 3M Precision-Shaped Grain works:



3M precision-shaped grain is designed to continuously fracture to form sharp points and edges that easily “slice” through metal. It cuts faster, lasts longer and stays cooler.

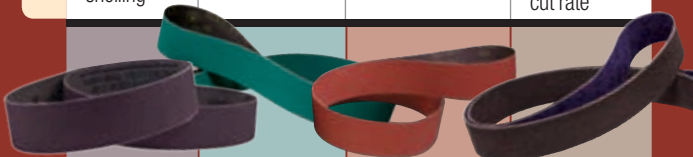


Conventional ceramic abrasive grain tends to “plow” through the metal, causing heat to build up in the workpiece and the abrasive – resulting in a slower cut, shorter belt life and undesirable effects, such as burnishing.



# Belt Basics

	General Purpose	High Performance	Top Performance	Surface Conditioning
	<b>3M™ Abrasive Belts 341D</b>	<b>3M™ Abrasive Belts 577F</b>	<b>3M™ Cubitron™ II Abrasive Belts 947A</b>	<b>Scotch-Brite™ Durable Flex Belts</b>
<b>Substrates</b>	<ul style="list-style-type: none"> <li>- Mild steel</li> <li>- Carbon steel</li> </ul>	<ul style="list-style-type: none"> <li>- Aluminum</li> <li>- Mild steel</li> <li>- Carbon steel</li> <li>- Stainless steel</li> </ul>	<ul style="list-style-type: none"> <li>- Tool steel</li> <li>- Stainless steel</li> <li>- Aluminum</li> <li>- Mild steel</li> <li>- Carbon steel</li> </ul>	<ul style="list-style-type: none"> <li>- Stainless steel</li> <li>- Aluminum</li> <li>- Carbon steel</li> </ul>
<b>Machine</b>	<ul style="list-style-type: none"> <li>- Backstand</li> <li>- Stroke sander</li> <li>- Portable belt grinder</li> <li>- Slack of belt</li> </ul>	<ul style="list-style-type: none"> <li>- Backstand</li> <li>- Benchtop motor</li> <li>- File belt tool</li> </ul>	<ul style="list-style-type: none"> <li>- Backstand</li> <li>- File belt tool</li> <li>- Stroke sander</li> <li>- Inline sander</li> <li>- Slack of belt</li> </ul>	<ul style="list-style-type: none"> <li>- File belt tool</li> <li>- Inline sander</li> <li>- Backstand</li> <li>- Benchtop motor</li> </ul>
<b>Construction</b>	<ul style="list-style-type: none"> <li>- Aluminum oxide</li> <li>- Flexible x-wt cloth backing</li> </ul>	<ul style="list-style-type: none"> <li>- Aluminum zirconia</li> <li>- Durable, waterproof YF backing</li> <li>- Includes grinding aid</li> </ul>	<ul style="list-style-type: none"> <li>- 3M precision-shaped grain</li> <li>- Durable, flexible x-wt poly-cotton backing</li> <li>- Includes grinding aid</li> </ul>	<ul style="list-style-type: none"> <li>- Aluminum oxide</li> <li>- Flexible non-woven construction</li> <li>- Low-stretch backing</li> </ul>
<b>Features</b>	<ul style="list-style-type: none"> <li>- Fast cut</li> <li>- Great for everyday metalworking needs</li> <li>- Minimal shelling</li> </ul>	<ul style="list-style-type: none"> <li>- Long life, fewer changeovers</li> <li>- Affordable high performance</li> </ul>	<ul style="list-style-type: none"> <li>- Fast cut, super long life</li> <li>- Ideal for medium- and low-pressure applications</li> <li>- Runs cooler</li> </ul>	<ul style="list-style-type: none"> <li>- Long life, improved edge durability</li> <li>- Great conformability</li> <li>- Increased cut rate</li> </ul>



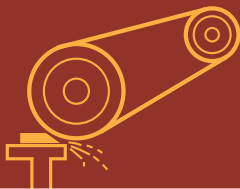
**Great Value**








**Improved Productivity**

**Fast Cutting**

**Consistent Finish**

# Backstand







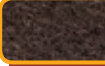



Size	3M™ Abrasive Belt	Grade	UPC	Qty/Case	
2" x 72"	Cubitron™ II 947A	★ 40+	051125-71003-9	25/50	
		60+	051125-94724-4		
		80+	051125-94725-1		
		120+	051125-94726-8		
	577F	36	051141-30698-8	25/50	
		60	051111-69104-5		
		80	051141-30701-5		
		120	051141-30697-1		
	341D	36	051144-26320-2	10/50	
		60	051144-26316-5	25/50	
		80	051144-33067-6		
		P120	051144-26312-7		
P180		051144-26309-7			
P240		051144-81752-8			
2" x 132"	Cubitron™ II 947A	★ 40+	051125-71003-9	25/50	
		60+	051125-94727-5		
		80+	051125-94728-2		
		120+	051125-94729-9		
	577F	36	051111-67602-8	25/50	
		50	051141-30702-2		
		60	051111-69105-2		
		80	051111-69108-3		
		120	051141-30696-4		
	3" x 132"	Cubitron™ II 947A	★ 40+	051125-71003-9	25
60+			051125-94730-5		
80+			051125-94731-2		
120+			051125-94732-9		
577F		36	051111-69099-4	25/50	
		50	051119-82066-9		
		60	051111-69569-2		
		80	051111-69571-5		
		120	051111-67681-3		
Scotch-Brite™ Durable Flex		A CRS	048011-64479-0	5	
		A MED	048011-64462-2		
	A FIN	048011-64471-4			

3M™ File Belt Tool  
 UPC 051141-28366-1



## File Belt Tool

Size	3M™ Abrasive Belt	Grade	UPC	Qty/Case	
1/4" x 24"	Cubitron™ II 947A	★ 40+	051125-71003-9	50/200	
		60+	051125-94700-8		
		80+	051125-94701-5		
		120+	051125-94702-2		
	577F	60	051141-30694-0	50/200	
		80	051119-05580-1		
120		051141-30695-7			
1/2" x 18"	Cubitron™ II 947A	40+	051125-86773-3	50/200	
		60+	051125-94703-9		
		80+	051125-94704-6		
		120+	051125-94705-3		
	577F	36	051141-30686-5	50/200	
		60	051119-63081-7		
		80	051119-82035-5		
		120	051141-30689-6		
	Scotch-Brite™ Durable Flex	A CRS	048011-64475-2	20	
		A MED	048011-64458-5		
		A FIN	048011-64467-7		
	1/2" x 24"	Cubitron™ II 947A	40+	051125-86774-0	50/200
60+			051125-94706-0		
80+			051125-94707-7		
120+			051125-94708-4		
577F		36	051141-30693-3	50/200	
		60	051111-68669-0		
		80	051111-68696-6		
		120	051111-69436-7		
Scotch-Brite™ Durable Flex		A CRS	048011-64476-9	20	
		A MED	048011-64459-2		
		A FIN	048011-64468-4		
3/4" x 18"		Cubitron™ II 947A	40+	051125-86775-7	50/200
	60+		051125-94709-1		
	80+		051125-94710-7		
	120+		051125-94711-4		
	577F	36	051141-30687-2	50/200	
		60	051115-19553-2		
		80	051125-19076-3		
		120	051141-30688-9		

# Benchtop Sander



Size	3M™ Abrasive Belt	Grade	UPC	Qty/Case		
1" x 42"	Cubitron™ II 947A	★ 40+	051125-71003-9	25/50		
		80+	051125-94719-0			
		120+	051125-94720-6			
	341D		36	051144-26614-2	50/200	
			50	051144-31823-0		
			60	891040-01450-7		
			80	891040-01451-4	25/100	
			P100	891040-01452-1		
			P120	891040-01453-8	50/200	
			P150	051144-26602-9		
			P180	051144-26601-2		
			P240	051144-26599-2		
			P320	051144-26597-8		
2" x 60"	Cubitron™ II 947A	★ 40+	051125-71003-9	25/50		
		60+	051125-94721-3			
		80+	051125-94722-0			
		120+	051125-94723-7			
	577F		36	051141-30699-5	25/50	
			60	051111-69103-8		
			80	051141-30703-9		
			120	051141-30704-6		
	341D		50	051144-26424-7	10/50	
			60	051144-33640-1	25/50	
			80	051144-33639-5		
			P120	051144-33667-8		
	6" x 48"	Cubitron™ II 947A	★ 40+	051125-71003-9	20	
60+			051125-94736-7			
80+			051125-94737-4			
120+			051125-94738-1			
577F			60	051111-69445-9	20	
			80	051119-83855-8		
			120	051141-30707-7		
341D			36	891040-01454-5	10/20	
			40	891040-01455-2		
			50	891040-01456-9		
			60	891040-01457-6		
			80	891040-10454-3		
			P100	891040-10455-0	20	
			P120	891040-10456-7		
			P150	051144-26517-6		
			P180	051144-26515-2		
	P240		051144-26513-8			

3M™ Inline Sander  
UPC 051141-28339-5



## Inline Sander

Size	3M™ Abrasive Belt	Grade	UPC	Qty/Case
1" × 11"	Cubitron™ II 947A	★ 40+	051125-71003-9	50/200
		80+	051125-94715-2	
		120+	051125-94716-9	
2¾" × 15½"	Scotch-Brite™ Durable Flex	★ A CRS	048011-64489-9	10
		★ A MED	048011-64482-0	
3" × 10⅞"	Scotch-Brite™ Durable Flex	★ A CRS	048011-64486-8	10
		★ A MED	048011-64480-6	
3½" × 15½"	Scotch-Brite™ Durable Flex	★ A CRS	048011-64478-3	10
		★ A MED	048011-64461-5	
		★ A FIN	048011-64470-7	

## 3M InfoCenter

**Need to price a belt? Not sure how to price on EPC?**

Visit 3M InfoCenter for more information on pricing, custom belt sizes and more!

[infocenter.3m.com](http://infocenter.3m.com)

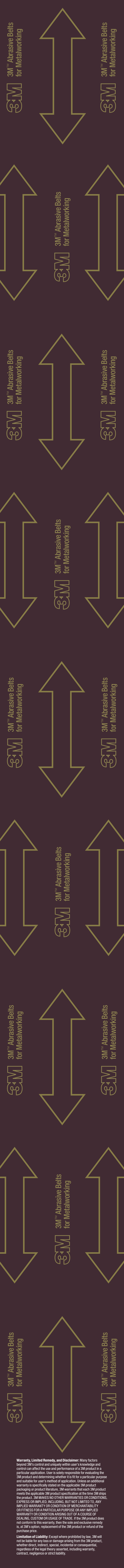


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