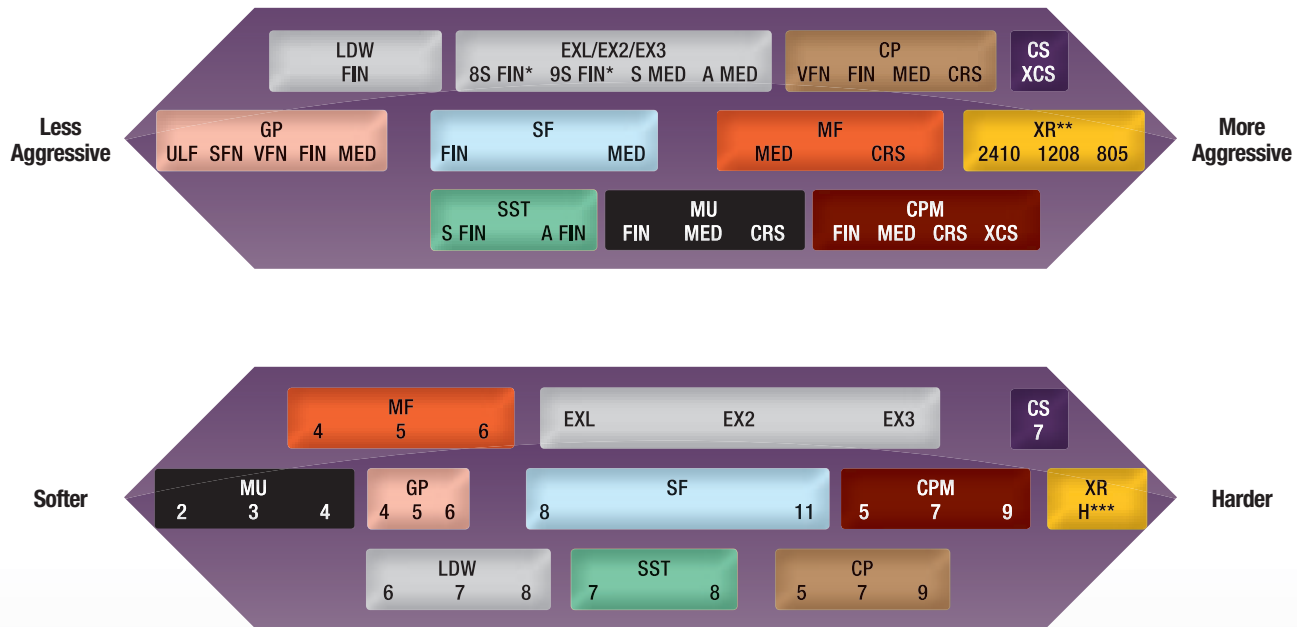


Convolute / Molded Wheels

Scotch-Brite™ Convolute Wheel performance differences can be attributed to mineral (aggressiveness) and density (hardness). The combination of these two characteristics and subtle variations determine if the wheel will cut more aggressively or will be more durable and less conformable (See depiction below).



Legend

CP	Cut and Polish Wheel	GP	General Purpose Wheel	SF	SF Finishing and Deburring Wheel
CPM	CPM Wheel	LDW	Light Deburring Wheel	SST	SST Deburring Wheel
CS	Clean and Strip Rim Wheel	MF	Metal Finishing Wheel	XR	XR Metalworking Wheel
EXL	EXL Deburring Wheel	MU	Multi-Finishing Wheel		

* Numeric designators (8/9) represent mineral aggressiveness; not density.

** XR Wheel Grades: **2410** = 240/100 Grade Mineral; **1208** = 120/80 Grade Mineral; **805** = 80/50 Grade Mineral

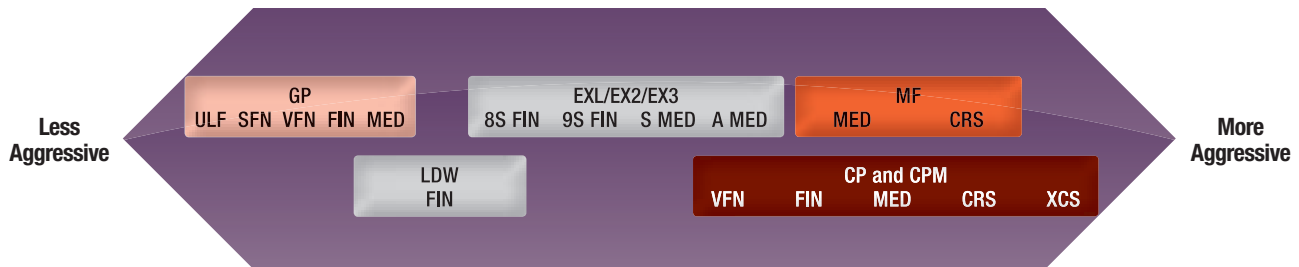
*** XR Wheel Density: **H** = Hard

Convolute Wheel Diameters and Standard Core Sizes

Wheel Diameter	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
Standard Core Size	1"	1", 1-1/4"	3"	5"	5"	8"	10"	10"	12"	12"

Convolute / Molded Wheels

Scotch-Brite™ Wheels for Polishing

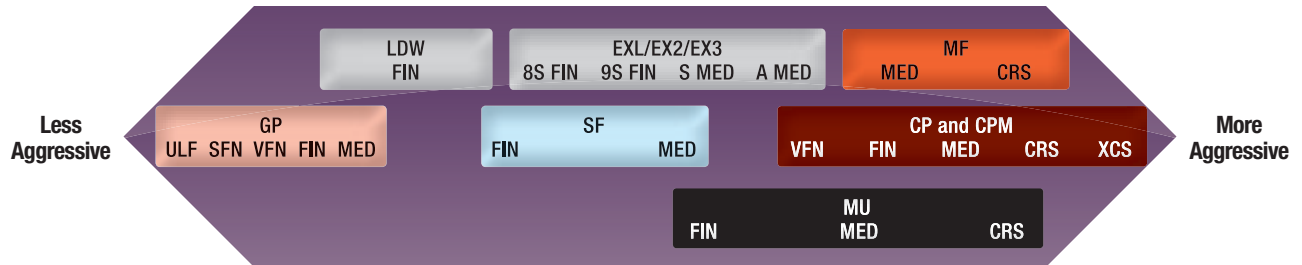


	Polishing Applications	Starting Point	Alternatives:	
			More Aggressive	Less Aggressive
Carbon Steels	Centerless polishing of hydraulic rods	Cut and Polish Wheel, 5A-fine (FIN)	Cut and Polish Wheel, 7A-medium (MED)	EXL Deburring Wheel, 8S-fine (FIN)
	Polish roller bearings	EXL Deburring Wheel, 8S-fine (FIN)	Cut and Polish Wheel, 5A-fine (FIN)	Light Deburring Wheel, 7S-fine (FIN)
	Polish hydraulic rod spools	Light Deburring Wheel, 7S-fine (FIN)	EXL Deburring Wheel, 8S-medium (MED)	Light Deburring Wheel, 6S-fine (FIN)
	Polish molds and dies	Light Deburring Wheel, 7S-fine (FIN)	EXL Deburring Wheel, 8S-fine (FIN)	General Purpose Wheel, 6S-super fine (SFN)
Stainless Steel, Titanium (Nickel Alloys)	Final polish of surgical instruments	EX2 Deburring Wheel, 9S-fine (FIN)	Cut and Polish Wheel, 7A-medium (MED)	EXL Deburring Wheel, 8S-fine (FIN)
	Final polish on orthopaedic implants	EXL Deburring Wheel, 9S-fine (FIN)	EXL Deburring Wheel, 8A-medium (MED)	Light Deburring Wheel, 7S-fine (FIN)
	Polish turbine engine components	EXL Deburring Wheel, 8S-fine (FIN)	EXL Deburring Wheel, 9S-fine (FIN)	Light Deburring Wheel, 7S-fine (FIN)
Aluminum, Copper, Brass (Soft Metals)	Pre-plating polish	Light Deburring Wheel, 7S-fine (FIN)	EXL Deburring Wheel, 9S-fine (FIN)	General Purpose Wheel, 6S-very fine (VFN)
	Polish brass medallions	Light Deburring Wheel, 7S-fine (FIN)	EXL Deburring Wheel, 8S-fine (FIN)	Light Deburring Wheel, 6S-fine (FIN)
	Polish name plates	Light Deburring Wheel, 7S-fine (FIN)	EXL Deburring Wheel, 8S-fine (FIN)	Light Deburring Wheel, 6S-fine (FIN)
	Polish jewelry	Light Deburring Wheel, 6S-fine (FIN)	EXL Deburring Wheel, 8S-fine (FIN)	Buff and Polish Wheel,* soft density
Other — Composites, Plastics, Glass, etc.	Polish bevel edges of glass	General Purpose Wheel, 6A-very fine (VFN)	Light Deburring Wheel, 8S-fine (FIN)	General Purpose Wheel, 6S-super fine (SFN)

A=Aluminum Oxide S=Silicon Carbide

*Buff and polish wheels are non-abrasive unitized wheels designed to work with compounds.

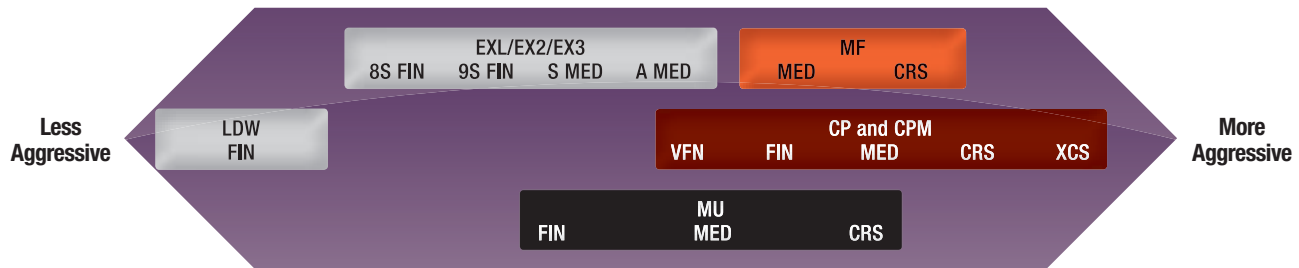
Scotch-Brite™ Wheels for Finishing



	Finishing Applications	Starting Point	Alternatives:	
			More Aggressive	Less Aggressive
Carbon Steels	Pre-plating finish on hand tools	EXL Deburring Wheel, 9S-fine (FIN)	Cut and Polish Wheel, 7A-medium (MED)	EXL Deburring Wheel, 8S-fine (FIN)
	Decorative satin finish	Metal Finishing Wheel, 5A-medium (MED)	Metal Finishing Wheel, 6A-coarse (CRS)	Multi-Finishing Wheel, 2S-fine (FIN)
	Gun barrel finish	Cut and Polish Wheel, 5A-fine (FIN)	Cut and Polish Wheel, 5A-medium (MED)	Cut and Polish Wheel, 7A-very fine (VFN)
	Pre-plating finish	EXL Deburring Wheel, 8S-fine (FIN)	Cut and Polish Wheel, 5A-fine (FIN)	Light Deburring Wheel, 7S-fine (FIN)
Stainless Steel, Titanium (Nickel Alloys)	#3 Finish	Multi-Finishing Wheel, 2S-coarse (CRS)	Metal Finishing Wheel, 5A-coarse (CRS)	Metal Finishing Wheel, 5A-medium (MED)
	#4 Finish	Multi-Finishing Wheel, 2S-medium (MED)	Metal Finishing Wheel, 5A-medium (MED)	Multi-Finishing Wheel, 2S-fine (FIN)
	Satin finish on cutlery	Metal Finishing Wheel, 5A-medium (MED)	Metal Finishing Wheel, 5A-coarse (CRS)	Multi-Finishing Wheel, 2S-fine (FIN)
	Pre-buff finish	Light Deburring Wheel, 7S-fine (FIN)	Cut and Polish Wheel, 5A-fine (FIN)	General Purpose Wheel, 5A-very fine (VFN)
Aluminum, Copper, Brass (Soft Metals)	Decorative finish for builders hardware	Metal Finishing Wheel, 5A-medium (MED)	Cut and Polish Wheel, 7A-medium (MED)	Light Deburring Wheel, 7S-fine (FIN)
	Final finish on aluminum	Multi-Finishing Wheel, 2S-medium (MED)	Metal Finishing Wheel, 5A-coarse (CRS)	Multi-Finishing Wheel, 2S-fine (FIN)
	Pre-buff and pre-plate finish	Light Deburring Wheel, 7S-fine (FIN)	EXL Deburring Wheel, 9S-fine (FIN)	General Purpose Wheel, 5A-very fine (VFN)
Other — Composites, Plastics, Glass, etc.	Satin finish on plastics	Multi-Finishing Wheel, 2S-medium (MED)	Metal Finishing Wheel, 5A-medium (MED)	Light Deburring Wheel, 6S-fine (FIN)

A=Aluminum Oxide S=Silicon Carbide

Scotch-Brite™ Wheels for Blending



	Blending Applications	Starting Point	Alternatives:	
			More Aggressive	Less Aggressive
Carbon Steels	Blend 80 grit scratch	Cut and Polish Wheel, 5A-medium (MED)	CPM Wheel, 5A-coarse (CRS)	Cut and Polish Wheel, 5A-fine (FIN)
	Blend steel tubing prior to plating	Metal Finishing Wheel, 5A-medium (MED)	CPM Wheel, 5A-medium (MED)	Cut and Polish Wheel 5A-fine (FIN)
	Blend compressor shafts	Cut and Polish Wheel 7A-fine (FIN)	Cut and Polish Wheel, 7A-medium (MED)	EXL Deburring Wheel, 8S-fine (FIN)
	Blend 60 grit scratch	Cut and Polish Wheel, 7A-coarse (CRS)	CPM Wheel, 9A-coarse (CRS)	Cut and Polish Wheel, 5A-fine (FIN)
Stainless Steel, Titanium (Nickel Alloys)	Refine turbine blades	SF Finishing and Deburring Wheel, 8S-medium (MED)	Cut and Polish Wheel 5A-fine (FIN)	EXL Deburring Wheel, 8S-fine (FIN)
	Remove parting lines on blades	EXL Deburring Wheel, 9S-fine (FIN)	EXL Deburring Wheel, 8A-medium (MED)	EXL Deburring Wheel, 8S-fine (FIN)
	Blend surgical instruments	EXL Deburring Wheel, 9S-fine (FIN)	Cut and Polish Wheel, 5A-fine (FIN)	Light Deburring Wheel, 7S-fine (FIN),
	Blend 100 grit scratch	Metal Finishing Wheel, 5A-medium (MED)	Cut and Polish Wheel 7A-medium (MED)	Cut and Polish Wheel, 5A-fine (FIN)
Aluminum, Copper, Brass (Soft Metals)	Blend 120 grit scratch	Cut and Polish Wheel, 5A-fine (FIN)	Cut and Polish Wheel, 7A-fine (FIN)	Multi-Finishing Wheel, 2S-fine (FIN)
	Remove small surface imperfections	Metal Finishing Wheel, 5A-medium (MED)	Cut and Polish Wheel, 7A-medium (MED)	Multi-Finishing Wheel, 2S-fine (FIN)
	Blend prior to plating	Multi-Finishing Wheel, 2S-fine (FIN)	Cut and Polish Wheel 5A-fine (FIN),	Light Deburring Wheel, 7S-fine (FIN)
Other — Composites, Plastics, Glass, etc.	Mold flash removal	Cut and Polish Wheel, 7A-fine (FIN)	Cut and Polish Wheel, 7A-medium (MED)	Light Deburring Wheel, 6S-fine (FIN)

A=Aluminum Oxide S=Silicon Carbide

Scotch-Brite™ EXL, EX2 and EX3 Deburring Wheels



The EXL convolute wheels are especially well suited for a broad range of deburring and finishing needs and are designed for top performance and value on a variety of applications. This wheel family contains a unique resin system, which helps minimize smearing. EXL wheels can demonstrate performance on stainless steel, titanium, and high nickel alloys.

Scotch-Brite™ Light Deburring Wheel



The Light Deburring Wheel is designed to provide a clean and economical system for removing fine burrs while providing a highly polished finish. Used for fine deburring, polishing and finishing because of their conformability, Light Deburring Wheels will maintain critical tolerances while still providing a fine polished finish.

See page 1 for convolute vs. unitized

Product Name	Density	Mineral Type	Grade	
EXL Deburring Wheel	8, 9	Silicon Carbide	FIN	Hard
	8	Silicon Carbide	MED	
	8	Aluminum Oxide	MED	
EX2 Deburring Wheel	8, 9	Silicon Carbide	FIN	Harder
	8	Silicon Carbide	MED	
	8	Aluminum Oxide	MED	
EX3 Deburring Wheel	8, 9	Silicon Carbide	FIN	Hardest
	8	Silicon Carbide	MED	
	8	Aluminum Oxide	MED	

Diameters:	4" minimum 24" maximum
Widths:	3/8"-36" in 4, 6, 8" diameters 1/2"-36" in 10, 12" diameters 3/4"-36" in 14"-24" diameters
Typical Applications:	<ul style="list-style-type: none"> • Cutlery — deburring and edge radius • Turbine blades — blending, finishing, deburring • Gun barrels — polishing • Golf club heads — polishing, finishing • General use deburring

Some additional sizes may be available by special request.
See pages 23–24 for recommended flanges/accessories.

Product Name	Density	Mineral Type	Grade
Light Deburring Wheel	6, 7, 8	Silicon Carbide	FIN

Diameters:	4" minimum 24" maximum		
Widths:	6 density	1/2"—36" in 4"—12" diameters	
		3/4"—36" in 12"—24" diameters	
	7, 8 density	3/8"—36" in 4, 6, 8" diameters	
		1/2"—36" in 10, 12" diameters	
		3/4"—36" in 14"—24" diameters	
Typical Applications:	<ul style="list-style-type: none">• Deburring of fine threads• Mold and die polishing• Finishing prior to buffing• Conditioning surface prior to welding on soft metal		

See pages 23–24 for recommended flanges/accessories.

Convolute and Unitized Equivalency Chart

Convolute Wheel		Unitized Wheel
Light Deburring Wheel, 6/7/8S-fine (FIN)	IR	EXL Unitized Wheel, 2S-very fine (VFN)
EXL Deburring Wheel, 8S-fine (FIN)	IR	EXL Unitized Wheel, 2 and 3S-fine (FIN)
EXL Deburring Wheel, 9S-fine (FIN) and EXL Deburring Wheel, 8S-medium (MED)	IR	↕ N/A
EXL Deburring Wheel, 8A-medium (MED)	IR	EXL Unitized Wheel, 2A-medium (MED)
SST Deburring Wheel, 7A-fine (FIN)	IR	SST Unitized Wheel, 3/5/7A-fine (FIN) and EXL Unitized Wheel, 4/6A-fine (FIN)
SST Deburring Wheel, 8S-fine (FIN)	IR	SST Unitized Wheel, 3/5/7S-fine (FIN) and EXL Unitized Wheel, 4/6S-fine (FIN)
Cut and Polish Wheel, 5A-fine (FIN)	IR	EXL Unitized Wheel, 6A-medium (MED) and Cut and Polish Unitized Wheel, 5A-fine (FIN)
Cut and Polish Wheel, 5/7A-medium (MED)	IR	Cut and Polish Unitized Wheel, 7/9A-medium (MED)
Cut and Polish Wheel, 7A-coarse (CRS)	IR	Cut and Polish Unitized Wheel, 7/9A-coarse (CRS)
CPM Wheel, 5/7/9A-medium (MED)	IR	EXL Unitized Wheel, 8A-medium (MED)
CPM Wheel, 5/7/9A-coarse (CRS)	IR	EXL Unitized Wheel, 8A-coarse (CRS)
CPM Wheel, 5/7/9A-extra coarse (XCS)	IR	EXL Unitized Wheel, 2/4/6/8A-extra coarse (XCS)
N/A	IR	Cut and Polish Unitized Wheel, 7/9S-medium (MED)
Metal Finishing Wheel, 5A-medium (MED)	IR	Metal Finishing Unitized Wheel, 5A-medium (MED)
Metal Finishing Wheel, 6A-coarse (CRS)	IR	Metal Finishing Unitized Wheel, 6A-coarse (CRS)