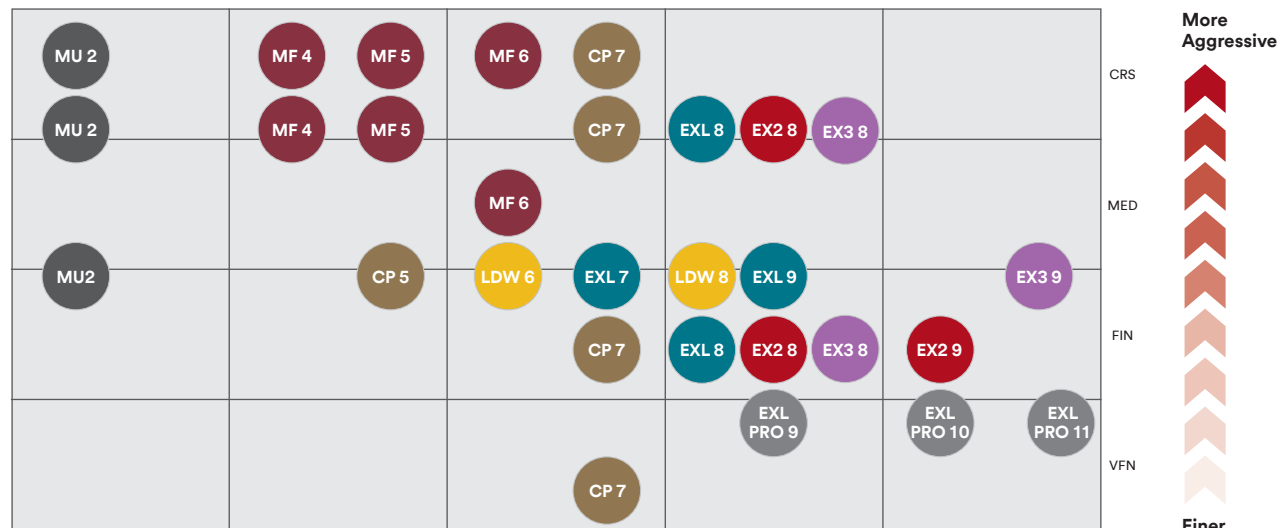


SCOTCH-BRITE™ CONVOLUTE WHEELS

REACH YOUR DEBURRING AND FINISHING POTENTIAL.

Get high performance and durability, Scotch-Brite™ Convolute Wheels produce great results on all types of metal, composites and glass. Used on pedestal grinders, back stands and bench motors, these wheels provide a consistent working surface even as the wheel wears.



Soft Density Hard

SCOTCH-BRITE™ CONVOLUTE WHEEL	Deburring	Blending	Finishing	Polishing
EXL / EX2 / EX3 Deburring (EXL)	✓	✓		
EXL Pro Deburring (EXL PRO)	✓			
Metal Finishing (MF)		✓	✓	
Cut and Polish (CP)		✓	✓	✓
Multi-Finishing (MU)		✓	✓	
Light Deburring (LDW)			✓	✓

RECOMMENDED OPERATING SPEEDS	
Application	SFPM
Finishing	500 – 3,000
Composites / Soft Materials	1,200 – 2,700
Deburring	5,000 – 7,500
Blending / Polishing	6,000 – 8,000

SFPM = Surface Feet Per Minute

MAXIMUM OPERATING SPEEDS	
Diameter	RPM
4"	9,000
6"	6,000
8"	4,500
10"	3,600
12"	3,000
14"	2,550
16"	2,250
18"	2,000
20"	1,800
24"	1,500



FOR WHEN YOU NEED TO ACHIEVE A FINE FINISH.

Engineered to strike a balance between durability and conformability to deliver unmatched results in deburring, weld blending, finishing and polishing applications.

Scotch-Brite™ Wheels are powered by nonwoven technology — a conformable nylon web with incorporated abrasive grain developed by 3M engineers.

Check out this additional content!



LEARN MORE

SCOTCH-BRITE™ CONVOLUTE WHEELS — DEBURRING



Scotch-Brite™ EXL Pro Deburring Wheels

Wheel design achieves 30–50% longer life than the original EXL wheel

Exceptional cut and longevity, with less pressure — without sacrificing finish

Consistent, optimal results particularly in off-hand operations

Soft and smooth with even wear to help control the workpiece



[FIND YOUR GRADE AND SIZE](#)



Scotch-Brite™ EXL, EX2 and EX3 Deburring Wheels

Full line of densities, grades and sizes for any deburring or finishing application

Use to clean, finish, blend, deburr or polish all types of metals, composites and glass

Resists smearing and minimizes heat buildup on the work piece



[FIND YOUR GRADE AND SIZE](#)

Scotch-Brite™ Convolute Deburring Wheels are tough, resilient wheels specifically designed to provide a clean, controlled and effective system for deburring, polishing and edge radiusing. These wheels provide a consistent working surface even as the wheel wears.

AGGRESSIVENESS



HARDNESS



EXL

CONFORMABLE AND OFF HAND APPLICATION



EX2

MID-RANGE AGGRESSIVENESS PERFORMANCE



EX3

HARDEST WHEEL, LONGER LIFE AND PERFORMANCE

SCOTCH-BRITE™ CONVOLUTE WHEELS — FINISHING



Scotch-Brite™ Metal Finishing Wheels

For decorative finishing and blending — designed to apply uniform and consistent satin, antique, mill and brushed finishes on metals

Highly conformable

Removes minor imperfections and handling marks

Density	Mineral	Grade	Dia.	Width
4, 5, 6	A/O	MED, CRS	4"–24"	.5"–36"



FIND YOUR GRADE AND SIZE



Scotch-Brite™ Multi-Finishing Wheels

For decorative, satin finishing and blending of all metals in fewer steps

Often used on inline sanding tools for large surface repair

Produces a bright finish with a wide scratch pattern

Density	Mineral	Grade	Dia.	Width
2, 3, 4	SiC	FIN, MED, CRS	4"–24"	.5"–36"



FIND YOUR GRADE AND SIZE

Scotch-Brite™ Convolute Finishing Wheels generate surface finishes and blend or refine scratches to create aesthetically pleasing looks. These wheels are designed to apply a variety of uniform finishes such as aesthetic satin finishes, antique finishes, matte finishes, and matching #3 mill and #4 mill finishes. Achieve your desired finish in fewer steps, in less time and with less effort.

AGGRESSIVENESS



HARDNESS



FINISH



SCOTCH-BRITE™ CONVOLUTE WHEELS — FINISHING



Scotch-Brite™ Cut and Polish Wheels

For aggressive finishing applications, and is good for defect removal and scratch blending


Produces a dull finish with a tight scratch pattern

Most durable of our finishing wheels

Density	Mineral	Grade	Dia.	Width
5, 7	A/O	VFN, FIN, MED, CRS	4"–24"	.5"–36"



[FIND YOUR GRADE AND SIZE](#)



Scotch-Brite™ Light Deburring Wheels

Provides a clean and effective system for removing fine burrs while providing a highly polished finish

Produces a bright and consistent finish with tight scratch pattern

Very soft and conformable

Density	Mineral	Grade	Dia.	Width
6, 7, 8	SiC	FIN	4"–24"	.5"–36"



[FIND YOUR GRADE AND SIZE](#)

CONVOLUTE WHEELS VS. UNITIZED WHEELS

Often determined by the part configuration, wheel size availability, and tool speed.

CONVOLUTE

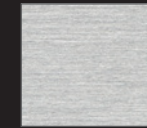
typically bigger wheels and used on stationary equipment

UNITIZED

typically smaller wheels and used on portable tools

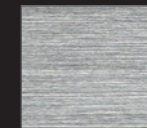
3M PRESENTS THE “FINISHING FOUR.”

The easiest way to achieve the look you’re going for!



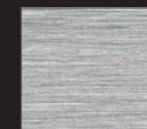
METAL FINISHING WHEELS

create a satin finish that is somewhat coarser and duller than our light deburring wheels.



MULTI-FINISHING WHEELS

create a bright finish with a wide scratch pattern.



CUT AND POLISH WHEELS

produce a dull finish with a tight scratch pattern.



LIGHT DEBURRING WHEELS

produce a bright and consistent finish with a tight scratch pattern.