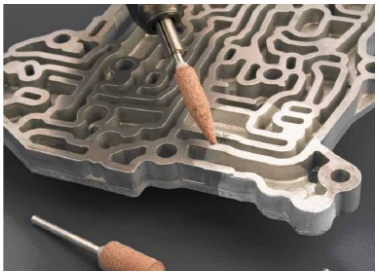
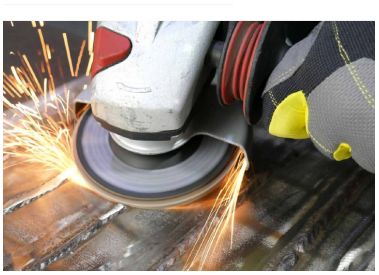
REX-CUT ABRASIVES
Grind. Blend. Debur. Finish.

AUTHORIZED REPRESENTATIVE

ARMOREP

IMPROVE YOUR DAILY GRIND — COTTON FIBER ABRASIVES MADE IN FALL RIVER, MA SINCE 1928






WHY COTTON FIBER

Grain embedded in non-woven cotton fabric — not a coated or bonded synthetic

- **One step instead of three.** Grind, blend and finish in a single operation.
- **Non-loading.** Won't clog on aluminum, brass, kevlar or composites.
- **Cool cutting.** New grain is continually exposed as the wheel breaks down — no wax or grinding aids.
- **Low vibration.** Resilient material runs chatter free and easy on the operator.
- **5x the life** of non-woven synthetic fiber wheels; no smearing or back transfer on stainless.

READING A SPEC: A36 GFX

Grain	Grit	Bond
A — aluminum oxide	16/24/36 coarse	GFX — soft, light deburring & blending
C — silicon carbide	54/80 medium	JTX — medium, longer life
	120/180 fine, 320 v. fine	MTX — hard, light to medium removal

SURFACE FINISH (RA, MICRO-INCHES ON 304 SS)

Grit	Conventional	Rex-Cut CF	Sigma Green
36	185–205	**38–80**	**100**
54 (60)	140–180	**30–60**	**80**
80	65–175	**20–50**	
120	45–60	**15–30**	
320	6–15	**5–10**	

MOUNTED POINTS

A, B, W and special shapes — 1/8", 1/4", 3mm and 6mm mandrels



COTTON FIBER
A or C grain · 24–320 grit · GFX/JTX/MTX
Debur and finish in one step without changing part geometry. Creates a radiused edge instead of a bevel — useful on high-stress precision parts.



COTTON FIBER MAX
A36 coarse · extra grain
Loaded with extra grain for faster metal removal. Weld grinding and radiusing, edge breaking, ID/OD deburring, rust and mill scale on steel.



MEGABRITE UNITIZED
Non-woven nylon · A/O medium, S/C fine
Conformable and chatter free; dresses easily to fit profiles and hard-to-reach areas. Polishing molds, dies, engine parts and medical tools.



RUBBER
A/O in calendar synthetic rubber
High tensile strength, tear resistant, and usable with coolant. Edge breaking on sheet metal and light deburring without hitting surrounding areas.

TYPE 1 WHEELS

Braze finishing, pipe thread cleaning, turbine blade profiling



COTTON FIBER DEBURRING
1"–4" dia · 1/32"–1" thick
Debur and finish or grind and finish in one operation. No smearing or back transfer on stainless and exotic alloys.



COTTON FIBER HIGH SPEED
2"–3" · to 28,000 RPM
Extra fiberglass reinforcement for high-speed die grinders. Can be shaped to clean or debur pipe thread grooves.



LASER BRAZE FINISHING
3", 4", 7", 8" · 2.5–4mm
Built to automotive tolerances with optional guide holes. Blends and finishes braze in one step for a paintable finish.



SMOOTH TOUCH
54 / 80 / 120 grit · 2"–6"
More flexibility and operator feel than standard Type 1. Finishes edges of cast or machined parts without changing geometry.



PEDESTAL & BENCH
6", 8", 10" · 1/4"–1" thick
Significantly greater life than convolute or unitized and easily dressed. Edge breaking and flash removal on turbine blades and castings.

REPRESENTED IN UTAH, COLORADO & WYOMING BY ARMOREP
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TYPE 27 GRINDING & BLENDING WHEELS

Depressed center, 4" through 7"



SIGMA GREEN / GREEN MAX

Alumina zirconia + A/O · 36, 46, 60

Best seller. Layered grain grinds fast with a superior finish. Virtually iron free (0.035%). Won't discolor or warp stainless. Max is the 1/4" version.



SIGMA Z

Zirconia · 24 grit · 1/4"

Most aggressive wheel in the line. Rapid stock removal on carbon and galvanized steel, cast iron and hard face — power plant repair and heavy weldment.



ALUMINATOR T27

A36 · 4-1/2"–7"

Engineered for aluminum. Breaks down as heat builds so sharp grain stays exposed — no loading, no wax or grinding aids. Trailers, tanks, boats, beveling.



MAX FLEX T27

A36 / A54 · flexible

Wide contact area like a flap disc but with grain through the whole wheel, so the finish stays consistent. Run 54 grit after Sigma Green for a #4 finish.



CF BLENDING & FINISHING

A24–A120 · GFX / MTX

Grind and blend in one step. GFX resists loading on aluminum for chatter-free work on tanks, vessels and food processing equipment.

COATED ABRASIVES

Type 27 & Type 29 · 4-1/2" and 7" · 7/8" and 5/8-11



METALPRO ZIRCONIUM

VSM zirconia · 40–120 grit

Aggressive general purpose removal on a durable cotton backing. Up to 2x the life of aluminum oxide discs; performs best under higher pressure.



METALPRO CERAMIC

VSM ceramic · 40–80 grit

Faster, cooler cut than zirconium with up to 2x its life and 4x aluminum oxide. Best at moderate pressure. Weld and mill scale removal.



FUSION INTERLEAF

4-1/2" & 5" · CRS / MED / VFINE

Coated abrasive interleaved with surface conditioning material. Blends and finishes stainless in one step, calibrated to match a #4 finish.



FUSION QUICK CHANGE

3" · Type R · 10,000 RPM

Controlled removal with low heat and a consistent low Ra. Finishing light weld seams, refining coarse grinding lines, breaking edges.



MINI FLAP QUICK CHANGE

Zirconia · 2" & 3" · 40–120

Flap design for flexibility in tight areas, with much longer life than resin fiber discs. Small weld seams, machine tool marks, general cleaning.

CUT-OFF WHEELS, SPECIALTY & KITS



ALPHA-GREEN CUT-OFF

A60/A46-INOX-BF · .040"/.045" · 3"–7"

INOX formula for stainless but usable on all steel. Type 1 and Type 27. The .040" profile cuts cooler and leaves less of an exit bur.



ALUMINATOR CUT-OFF

A46 · .045" · 4"–7"

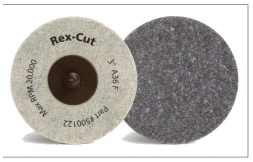
Cuts aluminum and non-ferrous quickly without clogging. Thin profile for minimal kerf loss. Tube, pipe, rod and sheet.



VERSA-CUT

A46 · .045" · 4-1/2" & 6"

General purpose, fiberglass reinforced resinoid. All ferrous and non-ferrous — rails, rebar, sheet metal, trimming castings.



CF QUICK CHANGE DISC

2" & 3" · Type R · A24–A120

Outlasts coated quick change discs at least 10:1. Order one or two grits coarser than a resin fiber disc — A80 coated becomes A54 cotton fiber.



STICKS, KITS & ACCESSORIES

Sticks 1/8"–3/4" · A54–A320

Round and square finishing sticks; stainless tube satin (#4) and polish (#7) kits; mounted point combi kits; mandrels, T27 adapters and QC holders.

WHERE IT GETS USED

- **Fabrication** — weld seam blending, corner welds, edge breaking
- **Oilfield repair** — deburring and cleaning pipe thread
- **Tool & die** — clean, debur, repair and finish dies and molds
- **Aerospace** — engine components, turbine blade edge work
- **Automotive** — transmission gears, cast and machined parts
- **Food & dairy** — stainless kitchen and processing equipment
- **Power & shipbuilding** — maintenance, repair, heavy weldment
- **Metals** — stainless, aluminum, mild steel, brass, titanium, high nickel
- **Robotic cells** — Type 1, Smooth Touch and laser braze wheels

REX-CUT ABRASIVES — 100% employee owned
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ARMOREP

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