



## OTR Tire & Tube Retreading & Repair Products



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Designed for the OTR Tire Professional

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Heavy Duty Products for the most demanding and severe conditions

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Product range up to giant OTR (off-the-road) Earthmover Tire, Radial or Bias construction, tube or tubeless type Tires

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# Repair Units

- Suitable for use as a nail hole, reinforcement or section repair in any repairable area of tires.
- Specially formulated rubber compound positioned between the fabric reinforcement package and the vulcanizing layer which acts as a flexible shock absorbing ply.
- Repair units available specifically for Shoulder, Sidewall and Crown placement saving material cost, labor preparation and better fitment.
- Works in tube type or tubeless Tires.

**SC Series** - Made with Dual Cure 'SC' - Soft Cushion Series of vulcanizing rubber. Unique Vulcanizing Gum allowing for permanent repairs to vulcanize in all types of retreading systems or used as a chemical vulcanizing repair.

**CB Series** - available for all OTR applications including Industrial, Skidder and Agriculture tires. Allows repairs to be matched with the specific cure class of vulcanizing gum for the specific cure system being used. Can be used with chemical vulcanizing gum and CVC for low temperature chemical repairing. Quick removal of cloth protective backing for easy application to the gum.

Complete range for Bias and Radial OTR tires.



## Tube Repair Units

### Round



Catalogue No.	Description	Size (mm)	Size (inch)	Quantity (per box)
CA06 SC - 40/1000	TR 45	45	1¾	40/1000
CA08 SC - 40/1000	TR 55	55	2¼	40/1000
CA10 SC - 40/500	TR 75	75	3	40/500
CA13 SC - 10	TR 100	100	4	10
CA15 SC - 10	TR 125	125	5	10

### Oval



Catalogue No.	Description	Size (mm)	Size (inch)	Quantity (per box)
CA20 SC - 50	TO 40	25 x 40	1 x 1½	50
CA23 SC - 25	TO 75	40 x 75	1½ x 3	25
CA24 SC - 25	TO 100	50 x 100	2 x 4	25
CA26 SC - 25	TO 150	70 x 150	2¾ x 6	25
CA28 SC - 10	TO 160	100 x 160	4 x 6¼	10

## Bias Tire Repair Units

### Agricultural, Industrial and Skidder



Description	Ply	Size (mm)	Size (inch)	Quantity (per box)
B 120	4	200 x 200	8 x 8	10
B 121	4	225 x 225	9 x 9	5
B 122	4	275 x 275	11 x 11	5
B 123	4	375 x 375	15 x 15	5
B 124	6	225 x 225	9 x 9	5
B 125	6	275 x 275	11 x 11	5
B 126	6	375 x 375	15 x 15	5
B 142	6	305 x 305	12 x 12	12
B 146	6	410 x 410	16 x 16	6

### Earthmover, Grader, Loader and Dozer



Description	Ply	Size (mm)	Size (inch)	Quantity (per box)
B 161	2	180 x 180	7¼ x 7¼	10
B 162	4	205 x 205	8½ x 8½	10
B 163	4	230 x 230	9¾ x 9¾	5
B 164	6	285 x 285	11¼ x 11¼	5
B 165	6	340 x 340	13¾ x 13¾	5
B 166	6	380 x 380	15 x 15	3
B 167	8	430 x 430	17¼ x 17¼	1

# Repair Units

## Radial Tire Repair Units

Agricultural, Industrial and Skidder



Description	Ply	Size (mm)	Size (inch)	Quantity (per box)
R 180	2	195 x 150	7¾ x 6	5
R 182	3	250 x 190	10 x 7½	5
R 184	3	290 x 215	11½ x 8½	5
R 186	3	340 x 245	13½ x 9¾	5

Earthmover, Grader, Loader and Dozer



Description	Ply	Size (mm)	Size (inch)	Quantity (per box)
R 150	5	500 x 190	19¾ x 7½	3
R 152	5	570 x 250	22½ x 10	3
R 160	7	860 x 265	34 x 10½	3
R 172	7	760 x 345	30 x 13¾	1

# Liquids

## Vulcanizing Cements

### Chemical Vulcanizing Cement

- A natural rubber solution containing activators and accelerators which act upon chemical curing materials to effect the chemical cure at room temperature.
- Available both Non-Flammable and Flammable.



Description	Pack Sizes
Flammable Chemical Vulcanizing Cement	5 Gal / 54 Gal
Flammable Chemical Vulcanizing Cement Blue	5 Gal / 54 Gal
Flammable Chemical Vulcanizing Cement Heavy Duty Blue	5 Gal / 54 Gal
Non-Flammable Chemical Vulcanizing Cement	5 Gal / 54 Gal
Non-Flammable Chemical Vulcanizing Cement Blue	5 Gal / 54 Gal

### Black Vulcanizing Cement

- Black Vulcanizing Cement Brush Type** - An excellent Repair cement. Contains special additives to bond to exposed cords such as Nylon, Rayon, Fiberglass, Polyester, and Polyaramid. Use within 15 minutes on exposed Steel for best adhesion. Superior tack and excellent CURED adhesion.
- Black Vulcanizing Cement Spray Type** - An all-purpose cement for both hot capping and pre cure retreading. Also used for repairing. A high tack cement. Excellent CURED adhesion and provides superior bond and tack. Use in Diesize application.



Description	Pack Sizes
Flammable Black Vulcanizing Cement Spray	5 Gal / 54 Gal
Flammable Black Vulcanizing Cement Brush	5 Gal / 54 Gal
Flammable Black Vulcanizing Cement VOC Spray	5 Gal / 54 Gal
Flammable Black Vulcanizing Cement VOC Brush	5 Gal / 54 Gal
Non-Flammable Black Vulcanizing Cement Spray	5 Gal / 54 Gal
Non-Flammable Black Vulcanizing Cement Brush	5 Gal / 54 Gal

# Liquids

## Cleaning & Sealing Fluids

• Available both Non-Flammable and Flammable.

### Liquid Buffer

- A mixture of chemicals which chemically clean the inside of tires prior to mechanical buffing. Removes various mold lubricants and contaminates to maximize adhesion.



#### Description

Flammable Rubber Buffer

#### Pack Sizes

5 Gal / 54 Gal

### Inner Liner Sealant



#### Description

Flammable Liner Sealant Black  
Flammable Liner Sealant Grey

#### Pack Sizes

54 Gal  
54 Gal

### Tire Paint



#### Description

Tire Paint Water Base (RTU)

#### Pack Sizes

5 Gal / 54 Gal

### Rim Sealant



#### Description

Heavy Duty Tire Sealant

#### Pack Sizes

5 Gal / 54 Gal

### Rubber Solvent



#### Description

Rubber Solvent

#### Pack Sizes

5 Gal / 54 Gal

# Compounds

## Cushion Gum

Cushion Gum is produced in three various cure rates. The retreader has a choice of cushion gum depending on the operating temperature and the curing equipment employed, as well as repair location on the tire.



### Cushion Gum Applications

RMA Cure Class	Compound	Pre-Cure Cushion	Skive Buzz-out (Sidewall)	Skive Buzz-out (Tread)	Bead	Spot	Tread
75E (210°F)	440 (Low Temp)	YES (-250°F)	YES	YES	NO	YES	NO
10A (280°F)	914 (High Temp)	YES (+250°F)	YES	YES	NO	YES	NO
25A (280°F)	074 (Regular Temp)	YES	YES	YES	NO	YES	NO
25A (280°F)	074 (High Durometer)	NO	NO	YES	YES	YES	YES
10A (280°F)	549 (High Durometer)	YES	NO	YES	YES	NO	YES

### Curing Temp Usage

RMA Cure Class	Compound	Convected Air 212°F - 240°F	Convected Air above 240°	Live Steam 290°F - 310°F	Air/Steam 260°F - 280°F
75E (210°F)	440 (Low Temp)	YES	NO	NO	NO
10A (280°F)	914 (High Temp)	NO	YES	YES	YES
25A (280°F)	074 (Regular Temp)	NO	YES	YES	YES
25A (280°F)	074 (High Durometer)	NO	YES	YES	YES
10A (280°F)	549 (High Durometer)	NO	YES	YES	YES

\* Available in different widths

## Rope Rubber



### RMA Cure Class

10A (180°F)
10A (180°F)

### Diameter

1/4"
3/8 "

\* Available in different weights

Rubber extruded in rope form especially for "Mini-Extruder" or "Buzz-Filler" guns.

For filling buzz- outs, section repair plugs, cuts and snags.

Same characteristics as All Purpose Gum.

Available in 1/4" & 3/8" diameter and in slab form or 20 lb. box.

# Tools

## Brazed Carbides



- Carbides manufactured with the highest Tungsten steel available.
- Carbides are braised with nickel instead of copper which is proven to increase the life span of the carbide 2-3 times over.

**Available in Random and Structured Grit. (RG & SG)**

## Carbide Cutters



## Aluminum Oxide Stones



## Air Tools



### Description

High Speed Tire Buffer with Jacobs Chuck. Ideal for grinding steel belts and cables. Rear exhaust hose kit included.

1/2" Reversible Low-Speed Drill. 1/2' industrial duty chuck and key included. Auxiliary side handle included.

Low Speed Tire Buffer with Quick Change Chuck. Great for tube and tire surface preparation prior to repairing or rubber work. One quick change adaptor included. Rear exhaust hose kit included.

Heavy Duty Tire Buffer with quick change chuck.. Excellent for rubber preparation due to the more substantial gear package, which contributes to durability. One quick change adaptor included. Rear exhaust hose kit included.

Replacement Rear Exhaust Hose Kit

Quick Spiff Air Vacuum Self contained one piece vacuum comes with 16", 400mm hose, 3", 75mm dust brush and 9", 225mm crevice tool (for removing water)

### Quantity Quantity

(per bag) (bag/case)

1 1

1 1

1 1

1 1

1 1

1 1

# Tools

## Rasp Blades

- Pin Hole placement allows blades to be used in multiple hub designs.
- Reduced tooth breakage.
- Blades will not warp.
- Finer texture.
- Longer life.
- Designed to fit all Buffing machines



\* Packed in 50 sets to a box

Catalogue No.	Description	Quantity (per set)	Catalogue No.	Description	Quantity (per set)
JA04 - 28	R3 - 25	28	JA23 - 25	R105 - 22	25
JA06 - 28	R4 - 9	28	JA24 - 25	R105 - 25	25
JA07 - 28	R4 - 16	28	JA28 - 25	R115 - 20	25
JA08 S - 28	R4 - 20 S	28	JA24 - 25	R115 - 25	25
JA08 U - 28	R4 - 20 U	28	JA11 - 25	Ultra - I	25
JA09 - 28	R4 - 25	28	JA31 - 25	UD - I	25
JA12 - 28	Ultra - II	28	JA16 - 25	Smart - I	25
JA12 E - 28	Ultra - II E	28	JA38 - 30	P3 - 20	30
JA17 - 28	Smart - II	28	JA39 - 30	P3 - 25	30
JA17 E - 28	Smart - II E	28	JA13 - 30	Ultra - III	30
JA08 X - 28	R4 - 20 X	28	JA18 - 30	Smart - III	30

## Full Circle Rasp Blades

Used to buzz out damaged areas on the surface of the tire with maximum rubber removal.



\* Packed in 50 sets to a box

Catalogue No.	Description	Quantity (per set)
JA71 - 5	P5 - 30	5
JA74 - 6	P6 - 48	6

## Rotary Gouges

- Long lasting
- Fine cutting edge
- Fast rubber removal



Catalogue No.	Description	Quantity (per box)
JA81 - 10 - 4	¾" D - ⅜" UNF-24 TPI T.W	4
JA85 - 10 - 3	1 ¼" D - ⅜" UNF-24 TPI H.W	3
JA85 - 01 - 3	1 ¼" D - ⅜" AH T.W	3
JA90 - 10 - 2	2" D - ⅜" UNF-24 TPI H.W	2
JA90 - 01 - 2	2" D - ⅜" AH T.W	2
JA90 - 03 - 2	2" D - ½" AH H.W	2
JA90 - 03 N - 2	2" D - ½" AH Notched H.W	2

## Wire Brushes



### Description

POLYURETHANE ENCAPSULATED BRUSH to remove rubber around steel cables. 2", 50mm, 5000 rpm max. ½", 13mm arbor hole with ⅜" 10mm reducer.

POLYURETHANE ENCAPSULATED BRUSH to remove rubber around steel cables. 3", 75mm, 5000 rpm max. ½", 13mm arbor hole with ⅜" 10mm reducer.

TEXTURE BRUSH removes scorched rubber in finished buzzouts. Contains 2-3", 75mm brushes and 2-2", 50mm flat washers to keep bristles firm. 5000 rpm max.

SOFT WIRED TEXTURED BRUSH textures rubber in small buzzouts. Also, an ideal tool to texturize along cables in section repairs. 1 ½" 40mm.

RIM CLEANING BRUSH, 2" 50mm. 5000 rpm max.

SKIVE BRUSH removes scorched rubber in skive area. ½", 13mm, .005 wire. 4000 rpm max.

# Equipment

## Mini Extruder - ME 1/2



- Lightweight extruder ideal for Truck and OTR applications.
- Fills injuries faster than hand stitching.
- Adjustable temperature thermostat.
- 110 or 220 volt.

Catalogue No.	Description
MC 56 - X*	ME 1 - With Drive
MC 57 - X*	ME 1 - Without Drive
MC 58 - X*	ME 2 - With Drive
MC 59 - X*	ME 2 - Without Drive

\* X in Cat. No. denotes power supply specifications (V / Hz / ph)      **D** - 110 V, 50/60 Hz / 1 PH  
**E** - 220 V, 50/60 Hz / 1 PH

## Bead Spreaders - BS 2



Portable bead spreaders that facilitate small repairs or inspections.

- Ergonomic.
- Lever activated pneumatic action.
- Will not damage Tire bead areas.

Model	BS 2
Catalogue No.	MC43 2

## CM-OTRG - Giant OTR Tire Mulcher



- Mulch tire sizes from 26" to 63" bead diameter.
- Built in Tire cutter for "halving" tire.
- Process up to 30 lbs per minute premium Mulch.
- Maximum Tire weight 15,000 lbs.

## Other Equipment



Spot Vulcanizer



Section Repair Molds

Elgi's products are sold under the following brands

Jet - Tire Retread and Repair Systems

Pincott - Rasp Blades, Hubs & Spacers

Carbrasive - Brazed Carbide Tools

Ecorr - Reclaimed Rubber

CRS - Expanding Rims, Hubs and Retread Equipment and Accessories

