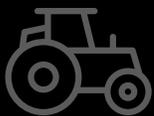


# TIRE REPAIR CATALOG



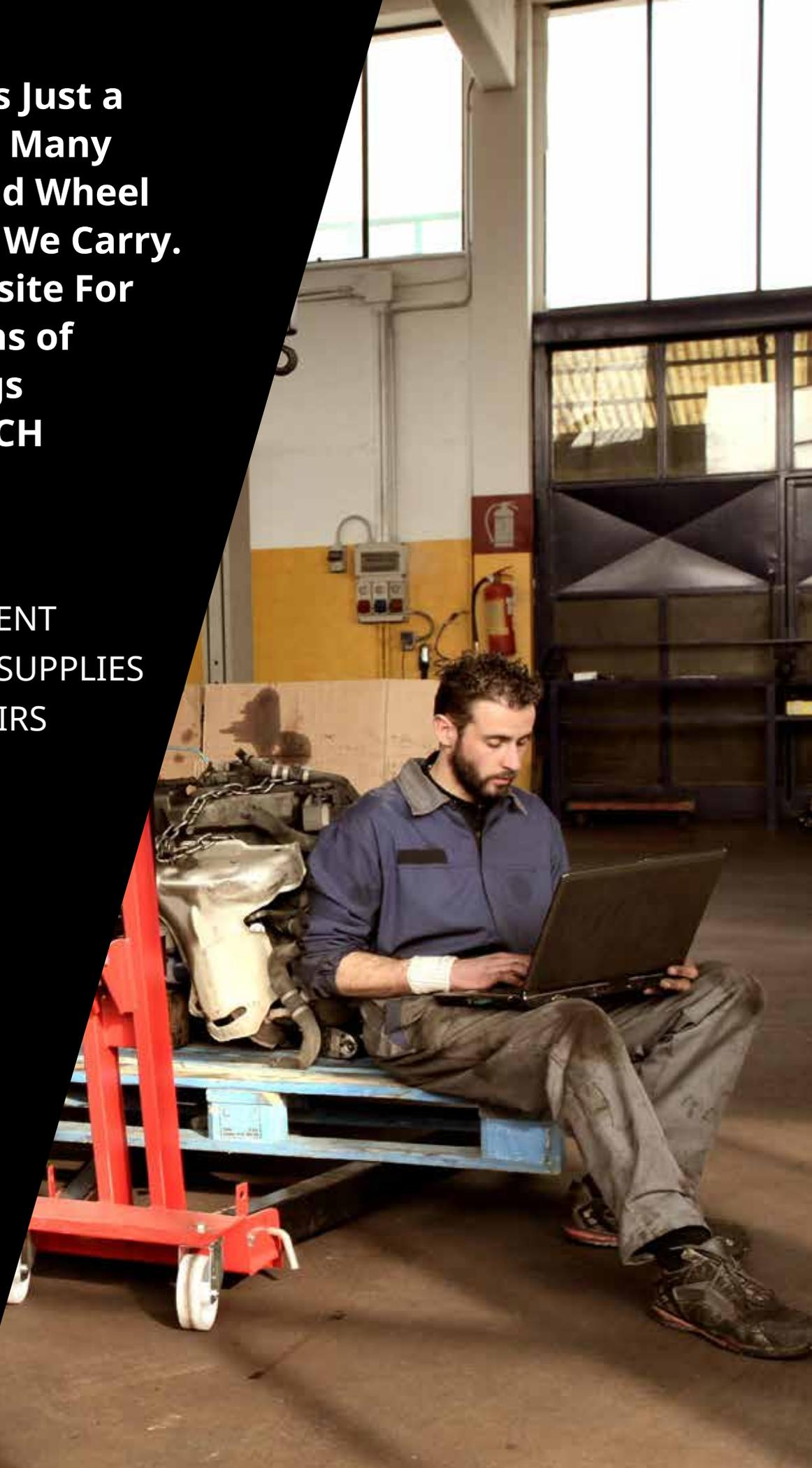
## The Tire & Wheel Authority Technicians Trust

Volume 83  
techtirerepairs.com



**This Catalog is Just a Sample of the Many Tire Repair and Wheel Service Items We Carry. Visit Our Website For Digital Editions of Other Catalogs Offered by TECH including:**

- TPMS
- SHOP EQUIPMENT
- WHEEL & TIRE SUPPLIES
- OTR TIRE REPAIRS
- AND MORE





A **TRC** Company

# Table of Contents

## Tire Repair Materials

• Uni-Seal Repairs	4-6
• All Purpose Repairs	7
• Centech Repairs	8-11
• Bias Ply Repairs	12-13
• Centech OTR Repairs	14-15
• Rope Rubber, Vulgum, AB, Tire Sealants	16-17
• 2-Way Repairs	18-19
• TECH Rope Rubber	20
• Flow Seal Repairs & Insert Tools	21
• Permacure & Repair Kits	22-23
• TECH Repair Kits	24-25
• TECH Tool Cabinets	26-27

## Chemicals

• Vulcanizing Fluids	28-29
• Mounting & Demounting Chemicals	30
• Sealers	31
• Rubber Cleaner & Other Chemicals	32-33
• Tire & Wheel Service Lubricants	33

## Service Tools & Equipment

• Tire Repair Hand Tools	34-36
• Cutters, Burrs & Rasps	37
• Tire Repair Tools	38-43
• Air Tools & Accessories	44-47

## Repair Charts

48-53

## Product Index

54-55



For TPMS, Shop Equipment,  
Wheel & Tire Service Tools and  
More visit [techtirerepairs.com](http://techtirerepairs.com)



Find Digital Editions  
of More TECH Catalogs!  
Visit [techtirerepairs.com/catalogs](http://techtirerepairs.com/catalogs)  
or scan the code!



# TECH... Providing World Class Products and World Class Customer Service!



A **TRC** Company

TECH's Customer Service Team is dedicated to providing great personal service.

Whether it is product information, order entry assistance or shipping information, they are available to assist all TECH customers.





**Online:**

[techorders@techtirerepairs.com](mailto:techorders@techtirerepairs.com)



**By Phone:**

800-705-2206

740-967-9015



## Global Manufacturing, Testing & Distribution

In addition to being ISO certified, our product testing exceeds U.S. DOT Standards. With global manufacturing and distribution in 96 countries, TECH is the worldwide pioneer in tire and wheel service solutions.

USA   Brazil   Belgium   Italy   Thailand   China   Japan



## TECH Uni-Seal Ultra Repairs

- Our top-selling and most highly recommended one-piece repairs.
- Gray cushion gum permanently bonds the repair to the tire.
- Gray cushion gum on the rubber stem to permanently seal out moisture and contaminants. Lead wire for easy installation.
- Can be used in radial and bias tires.



Item No.	Description	Prepared Injury Size mm / in.	Box Qty.				
249UL	UL3 UNI-SEAL ULTRA	3mm / 1/8"	24	•	•		
250UL	UL6 UNI-SEAL ULTRA	6mm / 1/4"	14	•	•	•	
250UL/24	UL6 UNI-SEAL ULTRA	6mm / 1/4"	24	•	•	•	
251UL	UL8 UNI-SEAL ULTRA	8mm / 5/16"	14	•	•	•	
251UL/24	UL8 UNI-SEAL ULTRA	8mm / 5/16"	24	•	•	•	
290UL	UL10N NON-FABRIC-REINFORCED UNI-SEAL ULTRA	10mm / 3/8"	10		•	•	•

## TECH Uni-Seal Ultra Max Repairs

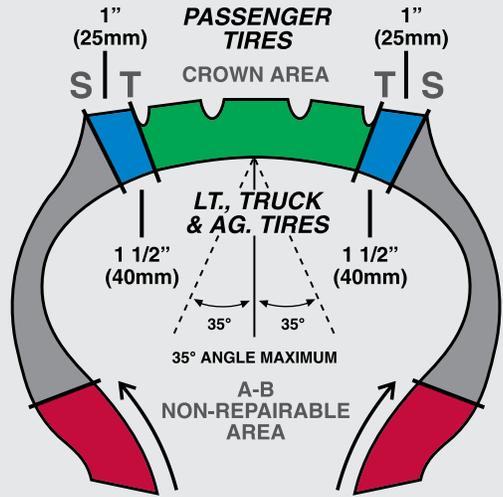
- Cross-weave fabric offers reinforcement for both radial and bias tires.
- Gray cushion gum on the cap and stem permanently bonds the repair to the tire and seals out moisture and contaminants.
- Lead wire for easy installation.



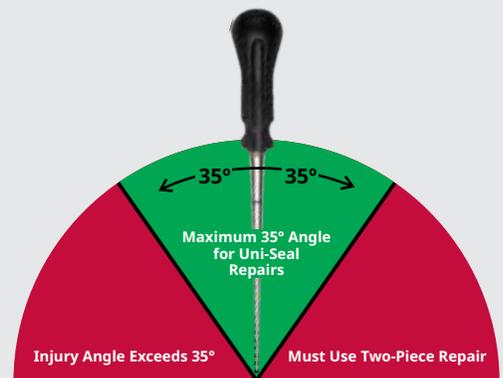
Item No.	Description	Prepared Injury Size mm / in.	Box Qty.				
291UL	UL10 UNI-SEAL ULTRA MAX	10mm / 3/8"	10	•	•	•	•
292UL	UL13 UNI-SEAL ULTRA MAX	13mm / 1/2"	10		•	•	•

# Uni-Seal Puncture Repair Chart

- Uni-Seal Ultra Repairs are designed for use in the crown (T-T) area of the tire only.
- All injuries larger than those defined in the chart, or outside the specified T-T area, must be treated as a section repair.
- Maximum 35° angle for Uni-Seal Repairs. If the injury exceeds 35°, a two-piece repair must be used.

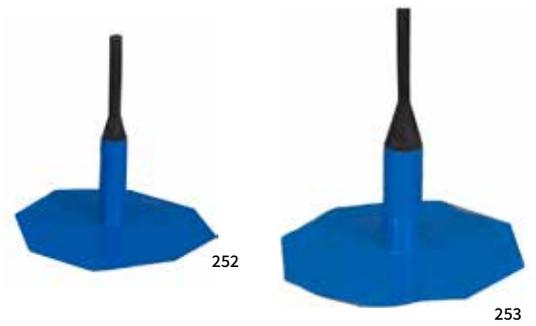


RADIAL AND BIAS PASSENGER TIRE PUNCTURE LIMITATIONS				
TIRE AREA	PREPARED INJURY SIZE	REPAIR UNIT	CARBIDE CUTTER	QUICK CHANGE ADAPTOR
T-T	3mm (1/8")	UL3 (249UL)	269	S1043
T-T	6mm (1/4")	UL6 (250UL)	270	S1040
RADIAL AND BIAS TRUCK TIRE PUNCTURE LIMITATIONS				
T-T	8mm (5/16")	UL8 (251UL)	271	S1041
T-T	10mm (3/8")	UL10 (291UL)	271/38	S1041/38
T-T	10mm (3/8")	UL10N (290UL)	271/38	S1041/38



## TECH Bias Uni-Seal Repairs

- Gray cushion gum on the cap and stem permanently bonds the repair to the tire and seals out moisture and contaminants.
- Fabric reinforced for use in bias tires only.



Item No.	Description	Prepared Injury Size mm / in.	Box Qty.			
252	BIAS UNI-SEAL	13mm / 1/2"	6	•	•	•
253	BIAS UNI-SEAL, 14 ply rated	20mm / 3/4"	6	•	•	•

# TECH 2-Piece Uni-Seal Ultra Stems

- Gray cushion gum on the stem permanently bonds the repair to the tire and seals out moisture and contaminants.
- Uni-Seal Ultra Stems feature a lead wire for easy installation.
- Must be used in conjunction with the appropriate repair unit on the inside of the tire.



250-1UL



251-1UL



291-1UL

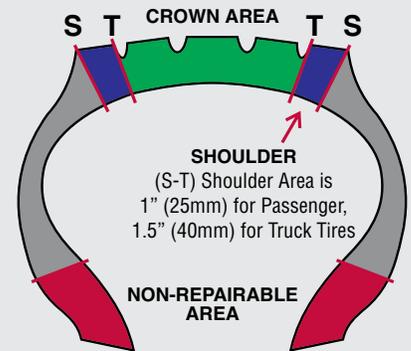
Item No.	Description	Prepared Injury Size mm / in.	Box Qty.				
250-1UL	ULS6 UNI-SEAL ULTRA STEM	6mm / 1/4"	20	•	•	•	
251-1UL	ULS8 UNI-SEAL ULTRA STEM	8mm / 5/16"	20	•	•	•	
291-1UL	ULS10 UNI-SEAL ULTRA STEM	10mm / 3/8"	20		•	•	•
252-1	UNI-SEAL STEM with Chemical Gum*	13mm / 1/2"	10			•	•
253-1	UNI-SEAL STEM with Chemical Gum*	20mm / 3/4"	10			•	•
254-1	UNI-SEAL STEM with Chemical Gum*	25mm / 1"	10			•	•

\*No Lead Wire

## 2-Piece Uni-Seal Repair Chart

- All injuries larger than those defined in the chart, or outside the specified S-S area, must be treated as a section repair.
- Repairs MUST NOT overlap.
- Repairs MUST NOT be in the same body ply.

Type of Tire	Prepared Injury Size	Uni-Seal Ultra Stem	Carbide Cutter	Quick Change Adaptor	Crown Area Repair Unit	Shoulder Area Repair Unit
	Passenger Tires T Rated or Below & LT Tires Through Load Range D	6mm (1/4")	270	S1040	CT-10 or 111	CT-12HD
	H, V, W, Y, or Z Rated Performance Tires	6mm (1/4") 1 Per Tire	270	S1040	CT-10 or 111	—
	Run Flat Tires	6mm (1/4") 1 Per Tire	270	S1040	CT-10 or 111	—
	Light Truck Tires Load Range E & Above	6mm (1/4")	270	S1040	CT-10 or 111	CT-22
		8mm (5/16")	271	S1041	CT-12 or 111	CT-22
		10mm (3/8")	271/38	S1041/38	CT-20 or 112	CT-24
	Truck Tires	6mm (1/4")	270	S1040	CT-10HD or 111	CT-24
		8mm (5/16")	271	S1041	CT-12HD or 111	CT-24
		10mm (3/8")	271/38	S1041/38	CT-20 or 112	CT-26



Download Full Repair Manuals and Charts on Our Website!



TECH Repair Manuals & Charts

# TECH MP (Multi-Purpose) Repair Units

- TECH Multi-Purpose (MP) repairs are produced with a unique cross-weave reinforcement and thick chemical cushion gum.
- Provides excellent performance in both radial and bias tires.



TIRE REPAIR MATERIALS



Item No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.			
600	MP-0 MULTI-PURPOSE REPAIR	60	2 1/4	25	•	•	•
601	MP-1 MULTI-PURPOSE REPAIR	75	3	20	•	•	•
602	MP-2 MULTI-PURPOSE REPAIR	90	3 1/2	10		•	•
112	MP-10 MULTI-PURPOSE REPAIR	90	3 1/2	30		•	•

\*For injury size please refer to the appropriate repair chart located on page 49.

# TECH All Purpose Repairs

- Non-Reinforced.
- Provides excellent performance in both radial and bias tires as well as innertubes.



Item No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.
111	AP8 ROUND ALL PURPOSE	65	2 1/2	50
115	AP4.5 SQUARE ALL PURPOSE	45	1 3/4	100
116	AP6 SQUARE ALL PURPOSE	55	2 1/4	80

# TECH Centech Radial Repair Units

- TECH Centech repairs are fabric reinforced for use in radial tires.
- Thick chemical cushion gum permanently vulcanizes to the tire.
- Must be used in conjunction with the appropriate repair stem.



164



166



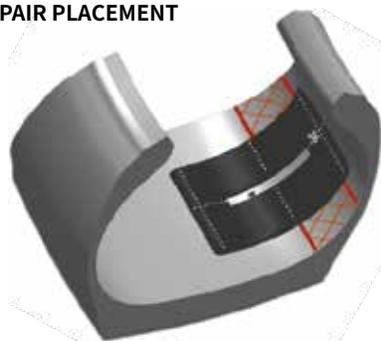
167

Item No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.				
164	CT-10HD	65 x 80	2½ x 3¼	10	•	•	•	
165	CT-10	45 x 75	1¾ x 3	20	•	•		
166	CT-12HD	70 x 115	2¾ x 4½	10	•	•	•	
167	CT-12	60 x 110	2¾ x 4¾	10	•	•	•	
169	CT-14	75 x 145	3 x 5¾	10	•	•		
170	CT-20	75 x 125	3 x 5	10		•	•	•

# TECH Centech Radial Shoulder Repair Units



CENTECH SHOULDER REPAIR PLACEMENT



- TECH Centech repairs are fabric reinforced for use in radial tires.
- Thick chemical cushion gum permanently vulcanizes to the tire.
- Must be used in conjunction with the appropriate repair stem.



174



172

Item No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.			
172	CT-22	75 x 165	3 x 6½	10	•	•	•
174	CT-24	75 x 215	3 x 8½	10	•	•	•
176	CT-26	75 x 250	3 x 10	10	•	•	•

# TECH Centech Radial Crown-Only Repair Units

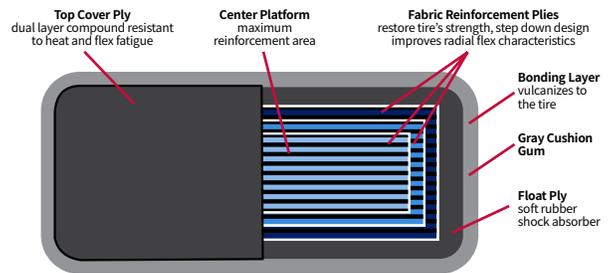
- TECH Centech repairs are fabric reinforced for use in radial tires.
- Thick chemical cushion gum permanently vulcanizes to the tire.
- 40% smaller than conventional radial repair for reduced preparation time.



Item No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.		
177	CT-33 Centech Repair Units	100 x 125	4 x 5	10	•	•
178	CT-35 Centech Repair Units	125 x 150	5 x 6	10		•
179	CT-37 Centech Repair Units	125 x 170	5 x 6 <sup>3</sup> / <sub>4</sub>	5		•

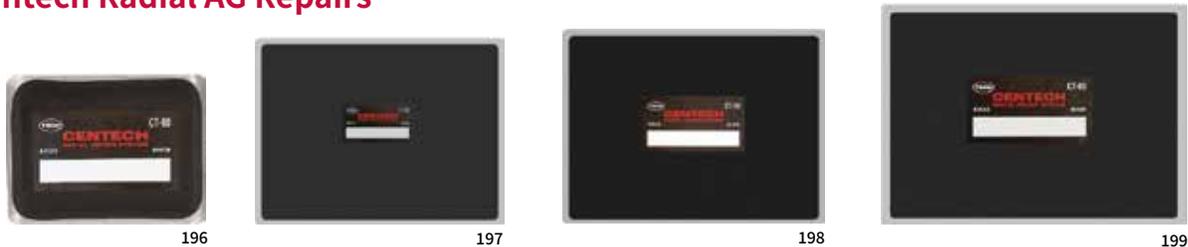
Refer to Repair Applications Chart on page 50.

## Centech Center-Over-Injury Repair Units



Item No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.			
180	CT-40 Centech Repair Units	100 x 200	4 x 8	10	•	•	
182	CT-42 Centech Repair Units	125 x 250	5 x 10	5		•	•
184	CT-44 Centech Repair Units	125 x 330	5 x 13	5		•	•

## Centech Radial AG Repairs



Item No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.	
CT80	CT-80 Centech Repair Units	150 x 95	4 x 7 <sup>3</sup> / <sub>4</sub>	5	•
CT82	CT-82 Centech Repair Units	190 x 250	7 <sup>1</sup> / <sub>2</sub> x 10	5	•
CT84	CT-84 Centech Repair Units	215 x 290	8 <sup>1</sup> / <sub>2</sub> x 6 <sup>3</sup> / <sub>4</sub>	5	•
CT86	CT-86 Centech Repair Units	245 x 340	9 <sup>3</sup> / <sub>4</sub> x 13 <sup>1</sup> / <sub>2</sub>	5	•
CT88A	CT-88 Centech Repair Units	315 x 490	12 <sup>3</sup> / <sub>8</sub> x 19 <sup>1</sup> / <sub>4</sub>	2	•
CT90A	CT-90 Centech Repair Units	355 x 565	14 x 22 <sup>1</sup> / <sub>4</sub>	2	•

Add suffix "R" to Cat. No. to order Thermacure Radial Tractor Repairs.

# TECH Thermacure Repair Units

- TECH Centtech repairs are fabric reinforced for use in radial tires.
- Ideal for retread and heat cure repair applications.
- Thermacure cushion gum permanently vulcanizes to the tire in hot or cold applications.

## Thermacure Nail Hole Repairs



Item No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.			
111R	Round All Purpose Repair Units	65	2½	50	•	•	•
112R	MP-10R Repair Units	90	3½	30		•	•
164R	CT-10HDR Repair Units	65 x 80	2½ x 3¼	10	•	•	•
166R	CT-12HDR Repair Units	70 x 115	2¾ x 4⅝	10	•	•	•
170R	CT-20R Repair Units	75 x 125	3 x 5	10		•	•

Refer to Repair Applications Chart on page 50.

## Thermacure Crown Radial Repairs



Item No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.		
177R	CT-33R Repair Units	100 x 125	4 x 5	10		•
178R	CT-35R Repair Units	125 x 150	5 x 6	10		•
179R	CT-37R Repair Units	125 x 170	5 x 6¾	5		•

Refer to Repair Applications Chart on page 50.

## Thermacure Center-Over-Injury Radial Repairs



Item No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.			
172R	CT-22R Repair Units	75 x 165	3 x 6½	10	•	•	•
174R	CT-24R Repair Units	75 x 215	3 x 8½	10	•	•	
RSR-26	CT-26R Reinforced Shoulder Repair	75 x 250	3 x 10	10	•	•	•
180R	CT-40R Repair Units	100 x 200	4 x 8	10	•	•	
182R	CT-42R Repair Units	125 x 250	5 x 10	5		•	
184R	CT-44R Repair Units	125 x 330	5 x 13	5		•	

Refer to Repair Applications Chart on page 50.

# Understanding Chemical & Heat-Cured Repairs

TECH radial and bias repairs are available for all chemical cure and heat-cure vulcanizing systems.

## TECH Chemical Repairs

Chemical Repairs are produced with TECH's soft gray cushion gum for excellent adhesion when used with TECH Chemical Vulcanizing Fluid or Heavy Duty Blue Cement. These versatile repairs can also be used in heat-cure applications when used with Spotters.



## TECH Thermacure Repairs

Thermacure Repairs, produced with soft black bonding gum, can be installed with TECH Heavy Duty Blue Cement or TemVulc black cement. Recommended for Monaflex Systems and mold heat cure applications or chemical cure applications.



## TECH Cloth-Backed Repairs

TECH Cloth-Backed Repairs yield long shelf life and provide excellent adhesion when floated on TECH VulGum.



## TECH Heat Cure Repairs

TECH Heat Cure Repairs are produced with a heat cure bonding gum layer pre-installed. Cloth-Backed and Heat Cure repairs are recommended for all heat cure applications.



## TECH Uncured Repairs

TECH Uncured Repairs are used in heat cure systems, and provide maximum adhesion and a smooth finished appearance when cured in with Monaflex Systems. Uncured repairs are recommended for heat cure applications longer than 6 hours.



## Common Heat-Cure Vulcanizing Systems



Our heat-cured tire repairs are ideal for use in retread facilities where casings are cured using large heat chambers.



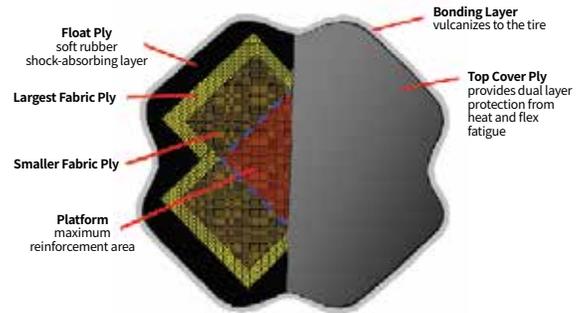
They're also a great option when using Monaflex system – available from TECH



Heat-cured repairs are ideal when using a spotter. Ask your sales rep for more information on our heat-cure equipment.

# TECH BP Bias Ply Tire Repairs

- TECH BP repair units, produced with soft gray cushion gum, provide excellent adhesion when used with TECH 760 Chemical Vulcanizing Fluid or 775 Heavy Duty Blue Cement.
- Designed to restore the strength and flexibility to bias truck, farm tractor, and small OTR tires.



Item No.	Description	Dim. (mm)	Dim. (inches)	Plies	Box Qty.			
603	BP-3 Bias Ply Repair Units	100	4	2	10	•	•	•
604	BP-4 Bias Ply Repair Units	130	5 <sup>5</sup> / <sub>16</sub>	4	10	•	•	•
605	BP-5 Bias Ply Repair Units	165	6 <sup>1</sup> / <sub>2</sub>	4	10	•	•	•

Refer to Repair Applications Chart on page 52.

Item No.	Description	Dim. (mm)	Dim. (inches)	Plies	Box Qty.			
606	BP-6 Bias Ply Repair Units	240	9 <sup>9</sup> / <sub>16</sub>	6	5	•	•	•
607	BP-7 Bias Ply Repair Units	290	11 <sup>5</sup> / <sub>8</sub>	6	5	•	•	•
608	BP-8 Bias Ply Repair Units	340	13 <sup>5</sup> / <sub>8</sub>	6	5	•	•	•
609	BP-9 Bias Ply Repair Units	380	15 <sup>1</sup> / <sub>8</sub>	8	3	•	•	•
610	BP-10 Bias Ply Repair Units	430	17 <sup>1</sup> / <sub>8</sub>	8	3	•	•	•

Refer to Repair Applications Chart on page 52.

# TECH BPT Bias Ply Tractor Repair Units



- TECH BPT bias ply repairs are designed with a wide ply reinforcement package that provides strength and flexibility over large injuries in bias agricultural and forestry tires.
- For best results, use with TECH 775 Heavy Duty Blue Cement.

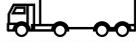
Item No.	Description	Dim. (mm)	Dim. (inches)	Plies	Box Qty.		
620	BPT-0 Bias Ply Repair Units	200	8	4	10	•	•
621	BPT-1 Bias Ply Repair Units	225	9	4	5	•	•
622	BPT-2 Bias Ply Repair Units	275	11	4	5	•	•
623	BPT-3 Bias Ply Repair Units	375	15	4	5	•	•
624	BPT-4 Bias Ply Repair Units	225	9	6	5	•	•
625	BPT-5 Bias Ply Repair Units	275	11	6	5	•	•
626	BPT-6 Bias Ply Repair Units	375	15	6	5	•	•
627	BPT-7 Bias Ply Repair Units	490	19 <sup>1</sup> / <sub>2</sub>	6	3	•	•

Refer to Repair Applications Chart on page 52.

# TECH BP THERMACURE Bias Ply Tire Repairs

- TECH BP repair units, produced with Thermacure cushion gum, provide excellent adhesion in hot or cold applications.
- Designed to restore the strength and flexibility to bias passenger, truck, farm tractor, skidder, and small OTR tires.
- For best results, use with TECH 1082 Tem-Vulc Black Cement in hot applications or 775 Heavy Duty Blue Cement in cold applications.



Item No.	Description	Dim. (mm)	Dim. (inches)	Plies	Box Qty.				
603R	BP-3R Thermacure Bias Ply Repairs	100	4	2	10	•	•	•	
604R	BP-4R Thermacure Bias Ply Repairs	130	5 <sup>5</sup> / <sub>16</sub>	4	10	•	•	•	
605R	BP-5R Thermacure Bias Ply Repairs	165	6 <sup>1</sup> / <sub>2</sub>	4	10	•	•	•	
606R	BP-6R Thermacure Bias Ply Repairs	240	9 <sup>9</sup> / <sub>16</sub>	6	5		•	•	•
607R	BP-7R Thermacure Bias Ply Repairs	290	11 <sup>5</sup> / <sub>8</sub>	6	5		•	•	•
608R	BP-8R Thermacure Bias Ply Repairs	340	13 <sup>5</sup> / <sub>8</sub>	6	5		•	•	•
609R	BP-9R Thermacure Bias Ply Repairs	380	15 <sup>1</sup> / <sub>8</sub>	8	3		•	•	•

Refer to Repair Applications Chart on page 52.

# TECH Bias Skidder Repairs

- TECH Bias Skidder repairs are specially designed for forestry application tires. Repairs utilize a wide platform reinforcement package with OTR tire cord for maximum strength.
- Produced with Thermacure soft cushion gum for hot or cold vulcanization.
- For best results use with TECH 775 Heavy Duty Blue Cement for cold repairs or TECH 1082 Tem-Vulc Black Cement in heat cure applications.



Item No.	Description	Dim. (mm)	Dim. (inches)	Plies	Box Qty.	
SK12R	Bias Skidder Repair	300	12	6	5	•
SK16R	Bias Skidder Repair	400	16	6	3	•
SK20R	Bias Skidder Repair	500	20	6	3	•
SK24R	Bias Skidder Repair	600	24	8	1	•

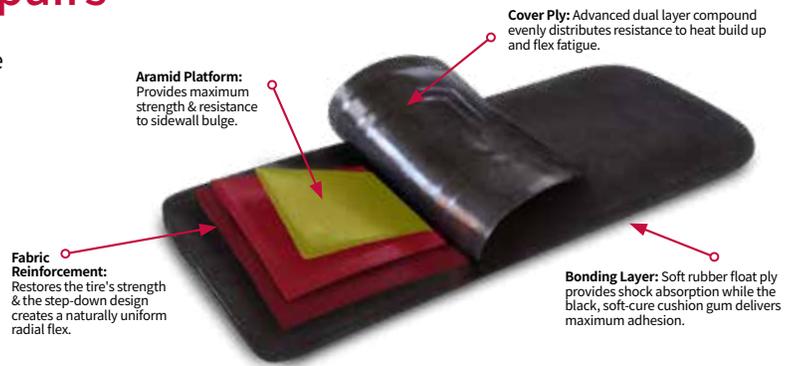
Refer to Repair Applications Chart on page 53.

# TECH CENTECH Xtreme Aramid Reinforced Radial OTR Repairs

- One complete line of repairs to handle every tire size and service application.
- Centech Aramid reinforcement produces the perfect balance of strength and flexibility for the toughest environments.
- Technicians love the ease of installation.



CT46A



Item No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.	
CT46AR	Centech Xtreme Aramid OTR Thermacure Repair	140 x 420	5½ x 16½	5	•
CT50AR	Centech Xtreme Aramid OTR Thermacure Repair	215 x 508	8½ x 20	3	•
CT52AR	Centech Xtreme Aramid OTR Thermacure Repair	265 x 635	10½ x 25	3	•
CT56AR	Centech Xtreme Aramid OTR Thermacure Repair	343 x 775	13½ x 30½	2	•
CT58AR	Centech Xtreme Aramid OTR Thermacure Repair	343 X 825	13½ x 32½	2	•
CT60AR	Centech Xtreme Aramid OTR Thermacure Repair	343 X 915	13½ x 36	2	•
CT62AR	Centech Xtreme Aramid OTR Thermacure Repair	370 x 1015	14½ x 40	1	•
CT64AR	Centech Xtreme Aramid OTR Thermacure Repair	445 x 1220	17½ x 48	1	•
CT66AR	Centech Xtreme Aramid OTR Thermacure Repair	343 x 1460	13½ x 57½	1	•
CT68AR	Centech Xtreme Aramid OTR Thermacure Repair	445 x 1460	17½ x 57½	1	•

CT46AC - Suffix "C" for Clothback repairs  
 CT46AH - Suffix "H" for Heat Cure repairs  
 CT46AU - Suffix "U" for Uncured repairs

# TECH CENTECH Aramid Reinforced Crown Only Radial OTR Repairs

- Centech Crown Only repair units reduce repair costs by up to 40%.
- Can be used on crown area injuries instead of much larger traditional center over injury repairs, resulting in lower material cost and less preparation time.
- Designed to provide a wider range of placement in the crown area of the tire.



CT55A

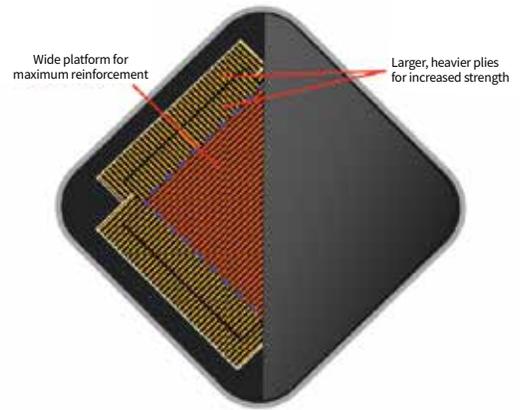
CT75A

Item No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.	
CT45AR	Thermacure Aramid OTR Crown Repair	230 x 195	9¼ x 7¾	5	•
CT55AR	Thermacure Aramid OTR Crown Repair	330 x 260	13 x 10¼	3	•
CT65AR	Thermacure Aramid OTR Crown Repair	420 x 330	16½ x 13	3	•
CT75AR	Thermacure Aramid OTR Crown Repair	535 x 450	20¾ x 17¾	1	•
CT85AR	Thermacure Aramid OTR Crown Repair	710 x 560	28 x 22	1	•

CT46AC - Suffix "C" for Clothback repairs  
 CT46AH - Suffix "H" for Heat Cure repairs  
 CT46AU - Suffix "U" for Uncured repairs

# TECH Off Road (TOR) Bias OTR Repairs

- TECH TOR repairs have specially designed plies that dissipate stress and provide maximum flexibility and strength.
- Advanced rubber compounding throughout the repair construction resists over cure and flex fatigue when the tire is returned to service.
- TOR Thermacure repairs are recommended for tires cured with spotters, press systems, section molds, or Monaflex systems.
- Thermacure repair units should be installed with TECH Heavy Duty Blue Cement after the filler rubber has been cured.



Item No.	Description	Diag. Dim. (mm)	Diag. Dim. (inches)	Plies	Box Qty.	
TOR1R	TOR Thermacure Repair	250	9 <sup>3</sup> / <sub>4</sub>	2	10	•
TOR2R	TOR Thermacure Repair	290	11 <sup>1</sup> / <sub>2</sub>	4	10	•
TOR3R	TOR Thermacure Repair	310	12 <sup>1</sup> / <sub>4</sub>	4	5	•
TOR4R	TOR Thermacure Repair	380	15	6	5	•
TOR5R	TOR Thermacure Repair	475	18 <sup>3</sup> / <sub>4</sub>	6	5	•
TOR6R	TOR Thermacure Repair	545	21 <sup>3</sup> / <sub>8</sub>	6	3	•
TOR7R	TOR Thermacure Repair	615	24 <sup>1</sup> / <sub>4</sub>	8	1	•
TOR8R	TOR Thermacure Repair	690	27 <sup>1</sup> / <sub>4</sub>	8	1	•
TOR9R	TOR Thermacure Repair	760	30	10	1	•
TOR10R	TOR Thermacure Repair	830	32 <sup>3</sup> / <sub>4</sub>	10	1	•
TOR11R	TOR Thermacure Repair	870	34 <sup>1</sup> / <sub>4</sub>	10	1	•

TOR1C - Suffix "C" for Clothback repairs  
 TOR1H - Suffix "H" for Heat Cure repairs  
 TOR1U - Suffix "U" for Uncured repairs



# TECH OTR Repairs

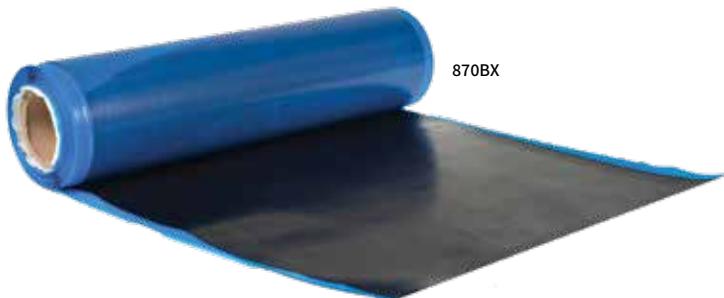
- **TECH Thermacure Repairs** feature a soft black cushion gum equally suited for hot or cold vulcanization.
- **TECH Clothback Repairs** are the perfect solution for hot vulcanized repairs when shelf life is a concern.
- **TECH Heat Cure Repairs** are pre-floated on our uncured natural/synthetic rubber blend cushion gum.
- **TECH Uncured Repairs** are the technician's choice for hot vulcanized repairs cured in autoclaves.





## TECH Vul-Gum Cushion Gum

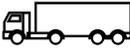
- Natural rubber compound provides excellent adhesion to prepared rubber surfaces.
- Suitable for floating repair units, filling skives, or spot repairs.



870BX



867BX

Item No.	Description	Dim. (mm)	Dim. (inches)	Roll Weight (lbs/kg)	Box Qty.			
849BX	VUL-GUM Cushion Gum	6 x 150	1/4 x 6	10 lbs. / 4.5 kg	1	•	•	•
850BX	VUL-GUM Cushion Gum	3 x 150	1/8 x 6	10 lbs. / 4.5 kg	1	•	•	•
862BX	VUL-GUM Cushion Gum	3 x 475	1/8 x 19	10 lbs. / 4.5 kg	1	•	•	•
867BX	VUL-GUM Cushion Gum	1.5 x 475	1/16 x 19	15 lbs. / 6.8 kg	1	•	•	•
868BX	VUL-GUM Cushion Gum	.8 x 475	1/32 x 19	15 lbs. / 6.8 kg	1	•	•	•
869BX	VUL-GUM Cushion Gum	3 x 750	1/8 x 30	15 lbs. / 6.8 kg	1	•	•	•
870BX	VUL-GUM Cushion Gum	1.5 x 750	1/16 x 30	15 lbs. / 6.8 kg	1	•	•	•

## TECH Vul-Gum Stripping Stock

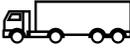
- Natural rubber compound provides excellent adhesion to prepared rubber surfaces.
- Suitable for floating repair units, filling skives, or spot repairs.



864BX



863BX

Item No.	Description	Dim. (mm)	Dim. (inches)	Roll Weight (lbs/kg)	Box Qty.			
855BX	VUL-GUM Stripping Stock	.4 x 25	1/64 x 1	1 lbs. / .5 kg	5	•	•	•
861BX	VUL-GUM Stripping Stock	3 x 25	1/8 x 1	2 lbs. / .9 kg	9	•	•	•
863BX	VUL-GUM Stripping Stock	1.5 x 25	1/16 x 1	2 lbs. / .9 kg	9	•	•	•
864BX	VUL-GUM Stripping Stock	1.5 x 50	1/16 x 2	4 lbs. / 1.8 kg	4	•	•	•
865BX	VUL-GUM Stripping Stock	1.5 x 75	1/16 x 3	6 lbs. / 2.7 kg	3	•	•	•
866BX	VUL-GUM Stripping Stock	1.5 x 100	1/16 x 4	8 lbs. / 3.6 kg	2	•	•	•

## TECH Fabric Reinforced Rubber

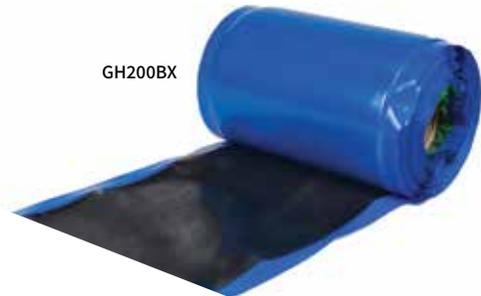
Item No.	Description	Gauge & Width (mm/inches)	Roll Weight (kg/lbs)	Box Qty.
BT18	Square Woven Polyester	1.5 x 425 / 1/16 x 19	11.5 / 25	1
BN18	1 Ply Polyester Cord	.8 x 425 / 1/32 x 19	11.5 / 25	1



## TECH Butyl Gum and Chemical Cure Rubber

### Heat Cure Inner Liner Repair Gum

Item No.	Description	Gauge & Width (mm/inches)	Roll Weight (kg/lbs)	Box Qty.
BTLG-125/10#BX	Butyl Gum	.8 x 425 / 1/32 x 19	4.5 / 10	1
848BX	Butyl Gum	.8 x 100 / 1/32 x 4	4.5 / 10	1



### Chemical Cure Inner Liner Repair Gum

Item No.	Description	Gauge & Width (mm/inches)	Roll Weight (kg/lbs)	Box Qty.
GH100BX	Chemical Cushion Gum	.8 x 150 / 1/32 x 6	2.72 / 6	1
GH200BX	Chemical Cushion Gum	.8 x 225 / 1/32 x 9	5 / 11	1
GH218BX	Chemical Cushion Gum	.8 x 450 / 1/32 x 18	5 / 11	1



### Chemical Cure Stripping Stock

Item No.	Description	Gauge & Width (mm/inches)	Roll Weight (kg/lbs)	Box Qty.
854BX	Gray Chemical Gum	.4 x 25 / 1/64 x 1	0.5 / 1	5

## TECH A & B Compound

A&B Compound is a two part self vulcanizing rubber compound for bead, spot, and section repairs. For best results, use with Tech #760 Chemical Vulcanizing Fluid or #775 Heavy Duty Blue Cement.



858

Item No.	Description	Can Weight (kg/lbs)	Box Qty.
857A	A & B Strip Rubber	.5 / 1	5
857B	A & B Strip Rubber	.5 / 1	5
858	A & B Compound Set	.5 / 1	1
859	A & B Compound Set	.9 / 2	1



857A

857B

# TECH 2-Way Tube Repairs

- TECH 2-Way repairs are permanent, safe and the repair is twice as strong as the tube itself.
- Made out of a durable, flexible rubber compound capable of repairing injuries on any type of tube.
- TECH's gray cushion gum allows the repairs to be vulcanized hot or cold.
- For use on inner tube only.



11



12

## Round 2-Way Tube Repairs

Item No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.
09	TINY ROUND	25	1	140
10	MINI ROUND	35	1 <sup>3</sup> / <sub>8</sub>	50
11	SMALL ROUND	45	1 <sup>3</sup> / <sub>4</sub>	40
12	MEDIUM ROUND	60	2 <sup>1</sup> / <sub>4</sub>	30
13	LARGE ROUND	80	3 <sup>1</sup> / <sub>8</sub>	20
14	MAXI ROUND	100	4	20
15	GIANT ROUND	125	5	10



13



17



18



19



20

## Oval 2-Way Tube Repairs

Item No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.
16	MINI OVAL	40 x 30	1 <sup>1</sup> / <sub>2</sub> x 1 <sup>1</sup> / <sub>8</sub>	100
17	SMALL OVAL	65 x 40	2 <sup>1</sup> / <sub>2</sub> x 1 <sup>1</sup> / <sub>2</sub>	30
18	MEDIUM OVAL	100 x 50	4 x 2	20
19	LARGE OVAL	150 x 70	6 x 2 <sup>3</sup> / <sub>4</sub>	20
20	GIANT OVAL	160 x 100	6 <sup>1</sup> / <sub>4</sub> x 4	10

## Did You Know?

When properly installed using TECH Tire Repairs and the recommended chemical vulcanizing fluid, the patch makes the innertube stronger than new.



## Tube Replacement Valves



Item No.	TR No.	Description	Box Qty.
6213	13	PASSENGER VALVE for .453 rim hole, 2 <sup>1</sup> / <sub>2</sub> " , 63mm base diameter	10
6214	-	RIM HOLE BUSHING for .625 rim hole, protects tube valve	50
6218	218	AIR/LIQUID TRACTOR VALVE, 4 <sup>1</sup> / <sub>4</sub> " , 110mm base diameter	10
6230	-	TRUCK VALVE SPUD, 4 <sup>1</sup> / <sub>4</sub> " , 110mm base diameter	5
VH591	-	PLASTIC RIM NUT for 6218	Ea.
VH592	-	BASS RIM NUT for 6218	Ea.



## Butyl Retread Envelope Repair System (ERS)

Item No.	Description
672	ERS-45 ENVELOPE REPAIR UNITS, 1 <sup>3</sup> / <sub>4</sub> " , 45mm diameter, 50 ct. tub
772	ENVELOPE VULCANIZING FLUID, 8 oz., 235ml can



772



## TECH Rope Rubber

- High quality natural rubber compound provides excellent extrusion and workability with maximum adhesion to the tire.
- 25 lb. spool packaged inside a self-locking box to provide smooth delivery.
- TMSM universal mounting bracket fits most types of two-wheel hand cart & shields rope rubber from dust and debris
- Spool mount cart allows for easy product transport and dispensing of rope rubber.



SAL260685-110V



TMSM

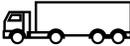


TMSMWCC



Choose LRRS for sidewall application and TRRS for tread applications



Item No.	Description	Diameter (mm/in.)	Package Qty. (lbs/kg)			
LRRS	ROPE RUBBER for Sidewall Applications	10mm / 3/8"	25 lbs. / 11.3 kg	•	•	•
TRRS	ROPE RUBBER for Tread Applications	10mm / 3/8"	25 lbs. / 11.3 kg	•	•	•
TMSM	SPOOL MOUNT BRACKET					
TMSMWCC	SPOOL MOUNT WITH CART (includes TMSM)					
SAL260685-110V*	EXTRUDER GUN, 110V					

\*220V available by special order.

# TECH Flow-Seal® Inserts Repairs

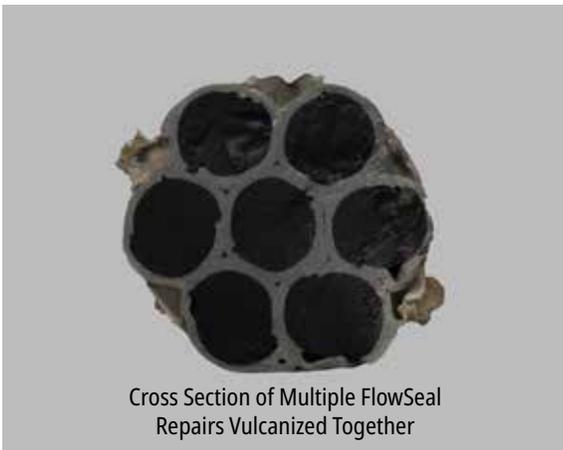
- You can repair small injuries in tubeless tires fast and easy with TECH Flow-Seal Inserts.
- TECH's unique cushion gum flows and cures into cracks and crevices, and permanently vulcanizes to the tire itself.
- The insert permanently vulcanizes through the injury. The tire is immediately ready for use.
- Flow-Seal inserts are ideal for use in both bias and steel belted radial tires.
- Tech Flow-Seal Inserts are designed for demounted tires and can be used to fill an injury and are very effective when backed up with the appropriate repair unit.
- Temporary repair when used on highway tire.



204



206



Cross Section of Multiple FlowSeal Repairs Vulcanized Together

Item No.	Description	Length	Box Qty.						
204	ROUND INSERTS	2", 50mm	40	•	•	•			
206	OVAL INSERTS	2", 50mm	40	•	•	•			
211	ROUND INSERTS	7 1/2", 190mm	25					•	•
212	OVAL INSERTS	9", 225mm	15					•	•

NOTE: 923 Insert Needle Required for Installation of 208 and 209 Flow-Seal Inserts – Must Be Purchased Separately.

## Flow-Seal Insert Tools

Item No.	Description	Box Qty.
920	INSERT-O-MATIC TOOL	Ea.
921	PASSENGER REPLACEMENT NEEDLE	Ea.
923	INSERT-O-MATIC TRUCK NEEDLE	Ea.
203	INSERT-O-MATIC Plastic Tips	20



203



920

921

923



# TECH Permacure® Reinforced Insert Repairs

- Nylon reinforced design makes applying repairs easier, virtually eliminating cutting and resulting in less labor time and a durable repair.
- TECH's unique cushion gum flows and cures into cracks and crevices, and permanently vulcanizes to the tire itself.
- Permacure II repair units are excellent for smaller injuries.
- Tech Permacure Inserts are designed for demounted tires and can be used to fill an injury and are very effective when backed up with the appropriate repair unit.
- Temporary repair when used on highway tire.



## Why Choose Permacure Insert Repairs? The Difference is Clear!



Cross Section of Multiple Permacure Repairs Vulcanized Together

Nylon reinforcement allows for easier installation



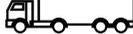
Off-Road Tires Only

Permanently vulcanizes to the tire, will NOT shrink or fall out



Off-Road Tires Only

In off-road tires, multiple Permacure repairs can be bonded together to fill larger injuries

Item No.	Description	Length	Box Qty.						
220	PERMACURE II REPAIRS	3 3/4", 95mm	50	•	•	•			
222	PERMACURE REPAIRS	3 3/4", 95mm	50	•	•	•			
224	PERMACURE TRUCK REPAIRS	5 1/8", 130mm	40				•	•	
226	PERMACURE EARTHMOVER REPAIRS	7 1/2", 190mm	25					•	•

# TECH Permacure® Repair Kits

- Space-saving design – keep one in every vehicle.
- A great choice for a temporary repair on vehicles that did not come with a spare tire.
- Permanent solution for off-road applications.



216TK

### No. 216TK Truck Repair Kit Contains:

- No. 224 Permacure repairs
- No. 770 Flow-Seal Vulcanizing Fluid
- No. 911 Permacure Wrench, 2mm
- No. 915 Spiral Cement Tool
- No. 925T Permacure Tool w/Truck Needle
- No. 927 Permacure Truck Replacement Needle



215PK

### No. 215PK Repair Kit Contains:

- No. 220/222 Combination box of Permacure repairs, contains [25] 220 Permacure II repairs and [25] 222 Permacure repairs
- No. 770 Flow-Seal Vulcanizing Fluid
- No. 911 Permacure Wrench, 2mm
- No. 915 Spiral Cement Tool
- No. 925 Permacure Tool w/Passenger Needle
- No. 926 Permacure Passenger Replacement Needle

See the Kits in Action,  
Scan the Code!

<https://youtu.be/i7hB3xkNFJw>



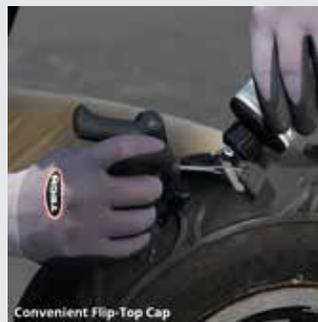
Snap for video

## Install Your Permacure Plugs in Just Four Easy Steps:



Prepare the injury using the reaming tool

**Step 1:** Prepare the Injury using a reaming tool or carbide cutter.



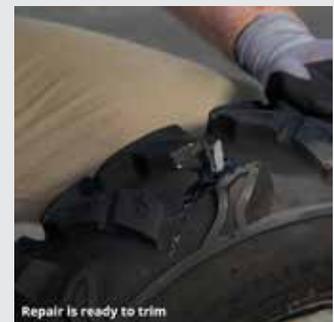
Convenient Flip-Top Cap

**Step 2:** Using an insert tool, apply TECH Vulcanizing Fluid to the repair.



Insert the tire repair

**Step 3:** Firmly press the repair into the puncture and pull insert tool straight back out.



Repair is ready to trim

**Step 4:** Allow the Vulcanizing Fluid to dry for about 5-8 minutes, then trim the unit 1/8" from tire surface.

Item No.	Description
215PK	PERMACURE REPAIR KIT
216TK	PERMACURE TRUCK REPAIR KIT



# TECH Repair Kits



880

## No. 880 Motorcycle Tubeless Tire Repair Kit:

- No. 249UL Uni-Seal Ultras [1 box]
- No. 250UL Uni-Seal Ultras [1 box]
- No. 261 Uni-Seal cutter [1]
- No. 704A Rub-O-Matic [1]
- No. 760 Chemical Vulcanizing Fluid [1]
- No. 915 Spiral Cement Tool [1]
- No. 933 Rubber Scraper [1]
- No. 935 Stitcher/buffer [1]

For shop use. Packed in a heavy-duty plastic box with handle.



896NHTK

## No. 896NHTK Truck Nail Hole (Tools Only) Repair Kit

A complete kit for road service and repairing of nail holes in both radial and bias tires, with tool box. Contains:

- |              |  |           |                                     |
|--------------|--|-----------|-------------------------------------|
| No. 270      | 1/4" (6mm) Carbide Cutter [1]                          | No. 911   | Allen Wrench for Quick Adaptors [1] |
| No. 271      | 1/4" (6mm) Carbide Cutter [1]                          | No. 912   | Allen Wrench for Air Tools [1]      |
| No. 271/38   | 3/8" (10mm) Carbide Cutter [1]                         | No. 913   | Slip Joint Pliers [1]               |
| No. CP873K   | Low Speed Tire Buffer With Exhaust Kit [1]             | No. 915   | Spiral Cement Tool [1]              |
| No. TRT105   | Injury Measuring Tool [1]                              | No. 919   | Pointed Awl [1]                     |
| No. S1035    | Air Drill 500 RPM with exhaust kit and quick chuck [1] | No. 933   | Rubber Scraper [1]                  |
| No. S1040    | Quick Change Adaptor for 270 carbide cutter [1]        | No. 939   | 1/4" (6mm) Stitcher [1]             |
| No. S1041    | Quick Change Adaptor for 271 carbide cutter [1]        | No. 940   | Skiving Knife [1]                   |
| No. S1041/38 | Quick Change Adaptor for 271/38 carbide cutter [1]     | No. 973   | Chrome Vanadium Diagonal Pliers [1] |
| No. S1047    | Quick Change Adaptor [2]                               | No. S923  | Safety Glasses [1]                  |
| No. TECHS892 | 3" (75mm) Soft Wire Brush [1]                          | No. RM-4  | Repair Manual [1]                   |
| No. RH107    | Flared Buffing Wheel [1]                               | No. RM-5  | Repair Manual [1]                   |
| No. RH152    | Flared Buffing Wheel [1]                               | No. ODEC5 | 5 1/2" Oval Decal [1]               |
| No. 896      | Plastic Tool Box [1]                                   |           |                                     |

# TECH Repair Kits



## Performance Tire Kit

### No. 898 Performance Tire Kit

A complete kit for Uni-Seal repair of speed rated tire injuries from 1/8" (3mm) to 1/4" (6mm), with tool box. Contains:

- |                   |   |                  |                                     |
|-------------------|---|------------------|-------------------------------------|
| <b>No. 249UL</b>  | Uni-Seal Ultras [1 box]                                 | <b>No. 936</b>   | 1/8" (3mm) Stitcher [1]             |
| <b>No. 250UL</b>  | Uni-Seal Ultras [1 box]                                 | <b>No. 951</b>   | White Paint Sticks, 12 pack [1 box] |
| <b>No. 269</b>    | 1/8" (3mm) Carbide Cutter [1]                           | <b>No. S923</b>  | Safety Glasses [1]                  |
| <b>No. 270P</b>   | 1/4" (6mm) Carbide Cutter [1]                           | <b>No. TK</b>    | Knife [1]                           |
| <b>No. TRT105</b> | Injury Measuring Tool [1]                               | <b>No. RM-4</b>  | Repair Manual [1]                   |
| <b>No. 704A</b>   | Rub-O-Matic aerosol [1]                                 | <b>No. 111TM</b> | Repair Template [1]                 |
| <b>No. 738</b>    | Security Coat [1]                                       |                  |                                     |
| <b>No. 760</b>    | Chemical Vulcanizing Fluid [1]                          |                  |                                     |
| <b>No. S1032</b>  | Air Buffer 2,600 RPM with exhaust kit & quick chuck [1] |                  |                                     |
| <b>No. S1040</b>  | Quick Change Adaptor for 270 carbide cutter [1]         |                  |                                     |
| <b>No. S1043</b>  | Quick Change Adaptor for 269 carbide cutter [1]         |                  |                                     |
| <b>No. S1046</b>  | Quick Change Adaptor for S893 and S2027 [2]             |                  |                                     |
| <b>No. S893</b>   | 1 1/2" (40mm) texture brush [1]                         |                  |                                     |
| <b>No. RH140</b>  | Contour Wheel [1]                                       |                  |                                     |
| <b>No. 911</b>    | Allen Wrench for Quick Adaptors [1]                     |                  |                                     |
| <b>No. 913</b>    | Slip Joint Pliers [1]                                   |                  |                                     |
| <b>No. 915</b>    | Spiral Cement Tool [1]                                  |                  |                                     |
| <b>No. 933</b>    | Rubber Scraper [1]                                      |                  |                                     |



## Truck Nail Hole Repair Kit

### No. 896 Truck Nail Hole Repair Kit

A complete kit for road service and repairing of nail holes in both radial and bias tires, with tool box. Contains:

- |                     |   |                  |                                     |
|---------------------|---|------------------|-------------------------------------|
| <b>No. 170</b>      | (CT-20) Radial Repairs [1 box]                          | <b>No. RH107</b> | Flared Buffing Wheel [1]            |
| <b>No. 166</b>      | (CT-12HD) Radial Repairs [1 box]                        | <b>No. RH152</b> | Flared Buffing Wheel [1]            |
| <b>No. ULS8</b>     | (251-1UL) 5/16" (8mm) Uni-Seal Stems [1 box]            | <b>No. 911</b>   | Allen Wrench for Quick Adaptors [1] |
| <b>No. ULS10</b>    | (291-1UL) 3/8" (10mm) Uni-Seal Stems [1]                | <b>No. 912</b>   | Allen Wrench for Air Tools [1]      |
| <b>No. 271</b>      | 1/4" (6mm) Carbide Cutter [1]                           | <b>No. 913</b>   | Slip Joint Pliers [1]               |
| <b>No. 271/38</b>   | 3/8" (10mm) Carbide Cutter [1]                          | <b>No. 915</b>   | Spiral Cement Tool [1]              |
| <b>No. TRT105</b>   | Injury Measuring Tool [1]                               | <b>No. 919</b>   | Pointed Awl [1]                     |
| <b>No. 704A</b>     | Rub-O-Matic aerosol [1]                                 | <b>No. 933</b>   | Rubber Scraper [1]                  |
| <b>No. 738</b>      | Security Coat [1]                                       | <b>No. 936</b>   | 1/8" (3mm) Stitcher [1]             |
| <b>No. 760</b>      | Chemical Vulcanizing Fluid [1]                          | <b>No. 940</b>   | Skiving Knife [1]                   |
| <b>No. S1032</b>    | Air Buffer 2,600 RPM with exhaust kit & quick chuck [1] | <b>No. 951</b>   | White Paint Sticks, 12 pack [1 box] |
| <b>No. S1035</b>    | Air Drill 500 RPM with exhaust kit and quick chuck [1]  | <b>No. S923</b>  | Safety Glasses [1]                  |
| <b>No. S1041</b>    | Quick Change Adaptor for 271 carbide cutter [1]         | <b>No. 170TM</b> | Repair Template for 170 [1]         |
| <b>No. S1041/38</b> | Quick Change Adaptor for 271/38 carbide cutter [1]      | <b>No. 170TM</b> | Repair Template [1]                 |
| <b>No. S1047</b>    | Quick Change Adaptor [2]                                | <b>No. RM-5</b>  | Repair Manual [1]                   |
| <b>No. TECHS892</b> | 3" (75mm) Soft Wire Brush [1]                           |                  |                                     |

# The Legendary **TECH** 100 Cabinet

*An iconic wall cabinet that has been a staple in shops all over the globe for more than 60 years! The TECH100 Locking Wall Cabinet is the perfect way to store and organize your tools, chemicals and tire repair materials.*

*Now, we're offering two exciting "loaded" cabinets that include all of the tools necessary to do a proper tire repair. Choose from our Automotive Tire Cabinet, Commercial Tire Cabinet or simply go with the stand-alone TECH 100.*

## The Original TECH 100 Cabinet

For those of you who prefer to select your own tools, we will always offer the one that started it all the original 100!



- Double Locking Doors
- Vintage 'TECH Tire Repairs' Logo
- Heavy-Duty Lock with Two Sets of Keys
- Painted in Iconic TECH Red
- Bonus Shelf to Neatly Store All of the Essential Power Tools

Dimensions: 30"H x 24"W x 11.5"D  
760mm x 610mm x 295mm  
Weight: 27.5 lbs (12.45 kg)

# Automotive Tire Cabinet

## T100CCA "Loaded" Automotive 100 Cabinet

This cabinet is stocked with all of the essential tools to perform proper passenger and light truck puncture repairs.



- 911** Wrench 2.4mm, 925 Tool, Qc Adapt Blt2.5x53
- 913** 8" (200mm) Slip Joint Pliers
- 933** Rubber Scraper
- 936** 936 1/8" Stitchee, Plastic Handle
- TRT105** Injury Measure Tool
- S1032AC** 2,600 Rpm Buffer (Fp709)
- S1040** #270 Quick Change Adaptor
- S1043** 1/8in Quick Change Adaptor
- S1046** Short Quick Change Adaptor



**CHEMICALS AND REPAIR MATERIALS SOLD SEPARATELY**

- RH140** 1 1/4x3/8" Mini Prep Whl Sg 17
- 270P** Cc6, 6mm, 1/4" Carbide Cutter
- 951** Hex White Paint Stick
- RM-4** Inc. RM-13 Repair Manual 4
- 100** Locking Cabinet
- 269** Cc3 3mm 1/8" Carbide Cutter
- S893** Texture Brush 1.5in 40mm (1/Ea)
- 915** Spiral Cement Tool

# Commercial Tire Cabinet

## T100CCC "Loaded" Commercial 100 Cabinet

This cabinet is stocked with all of the essential tools to perform commercial truck tire puncture repairs.



- 911** Wrench 2.4mm, 925 Tool, Qc Adapt Blt2.5x53
- 913** 8" (200mm) Slip Joint Pliers
- 919** Pointed Awl
- 933** Rubber Scraper
- 936** 936 1/8" Stitchee, Plastic Handle
- 940** Taper Point Skiver Knife
- TRT105** Injury Measure Tool
- S1032AC** 2,600 Rpm Buffer (Fp709)
- S1035** 500 Rpm F/R 1/2" Drill
- RH107** Flared Contour Wheel 170ssg
- RH152** 2-1/2" Polyplug Insert



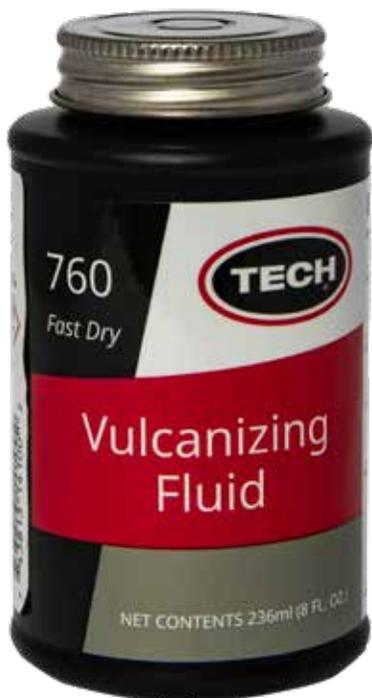
**CHEMICALS AND REPAIR MATERIALS SOLD SEPARATELY**

- S1041** #271 Quick Change Adaptor
- S1041/38** 271/38 And 272 Adaptor
- S1047** Long Quick Change Adaptor
- TECHS892** Texture Brushes & Washers 75mm
- 951** Hex White Paint Stick
- RM-5** Repair Manual 5
- 100** Locking Cabinet
- 271** Cc8 8mm 5/16" Carbide Drill
- 271/38** Cc10 10mm 3/8" Carbide Drill
- 915** Spiral Cement Tool
- 912** Wrench 3mm S1041/38 Adaptor



## TECH Chemical Vulcanizing Fluids

- TECH Chemical Vulcanizing Fluid works with both TECH gray and Thermacure cushion gums to bond tire and tube repairs in hot or cold applications.
- Permanently bonds TECH repairs to the tire for a permanent and air-tight seal.
- Fast drying formula – ready to use in as little as three to five minutes.



760



762



766



770



768

Item No.	Description	Qty.
760	CHEMICAL VULCANIZING FLUID, 7.8 oz., 230ml can with brush cap	Ea.
761	CHEMICAL VULCANIZING FLUID, 1 qt., 945ml can	Ea.
762	CHEMICAL VULCANIZING FLUID, 1 gal., 3.8 liter	Ea.
765*	CHEMICAL VULCANIZING FLUID, 50ml tube, box of 24	Bx.
766*	CHEMICAL VULCANIZING FLUID, 20ml tube, box of 24	Bx.
767*	CHEMICAL VULCANIZING FLUID, 10ml tube, box of 24	Bx.
768**	FLOW SEAL VULCANIZING FLUID, 8 oz., 235ml can with brush cap	Ea.
770**	FLOW SEAL VULCANIZING FLUID, 7 oz., 205ml with flip-top dispenser	Ea.

\* All tubes of Tech Chemical Vulcanizing Fluid come packaged in self-merchandising display cartons. Sold in full box quantities of 24 only.

\*\* For TECH Flow-Seal and Permacure insert use only.

## TECH Heavy Duty Blue Vulcanizing Fluid

- Heavy Duty Blue Vulcanizing Fluid is an extra thick vulcanizing fluid for hot or cold applications. Works well with single coat coverage when applying large bias or radial repairs in tubeless or tube-type tires, and for any hard gum repair applications.

Item No.	Description	Box Qty.
775	HEAVY DUTY BLUE VULCANIZING FLUID, 8 oz., 235ml can with brush cap	Ea.
776	HEAVY DUTY BLUE VULCANIZING FLUID, 1 qt., 945ml can with brush cap	Ea.
777	HEAVY DUTY BLUE VULCANIZING FLUID, 1 gal., 3.8 liter	Ea.



775

776

# TECH TemVulc Cement

- 50% greater tackiness ensures maximum adhesion and better tire repair performance.
- Wide curing temperature range (210°F to 320°F).
- Black, brush type cement for heat cure applications.



CHEMICALS

Item No.	Description	Box Qty.
1082	TEMVULC BLACK CEMENT for heat vulcanizing applications, 1 qt., 945ml can	Ea.
1082G	TEMVULC BLACK CEMENT, 1 gal., 3.8 liter	Ea.
1082-5G	TEMVULC BLACK CEMENT, 5 gal., 19 liter	Ea.
1082-55G	TEMVULC BLACK CEMENT, 55 gal., 209 liter	Ea.
968LB	ALUMINUM CEMENT DISPENSER with long brush, 1 qt., 945ml	Ea.
968RLB	REPLACEMENT LID AND BRUSH for 968LB	Ea.



## Cold, Hot or Both – Choose the Right Vulcanizing Cement

Cement	Repair Unit Bonding Layer Type				
	Gray Gum	Thermacure	Cloth Back	Heat Cure	Uncured
Chemical Vulcanizing Fluid	Hot/Cold	Hot/Cold			
Heavy Duty Blue	Hot/Cold	Hot/Cold	Hot	Hot	Hot
TemVulc		Hot	Hot	Hot	Hot



## Mount & Demount Chemicals

- Rim Ease is a liquid tire lubricant that provide excellent lubricity to make tire mounting and demounting easier when applied to the tire bead and rim mating surfaces.
- Silicone free so they dry tacky preventing tire and rim slippage.
- Petroleum free with rust inhibitors to prevent rust or corrosion.
- TECH Tire Paste is a premium paste that provides excellent lubricity for mounting and demounting all tires.



784



784LP



783



720

## TECH Mounting & Demounting Lubricants & Applicators

Item No.	Description
720	RIM EASE MOUNTING LUBRICANT, 1 gal., 3.8 liter jug
720-5G	RIM EASE MOUNTING LUBRICANT, 5 gal., 19 liter pail
720-55G	RIM EASE MOUNTING LUBRICANT, 55 gal., 209 liter drum
721	MOUNT-O-MATIC CONCENTRATE, 16 oz., 475ml
783	TECH TIRE MOUNTING PASTE, 8 lb., 3.7kg
783-5E	TECH WHITE TIRE MOUNTING PASTE, 11 lb., 5kg
784	TECH PREMIUM BLUE TIRE PASTE, 8 lb., 3.7kg
784LP	TECH LOW PROFILE PREMIUM BLUE TIRE PASTE, 8 lb., 3.7kg
963	PLASTIC FUNNEL, each
964	SWAB, each
971	ANGLED BRUSH, each



964



963



971

## Mounting Compounds

- TECH Black Lube is applied to all interior rim surfaces and to the tire beads to prevent corrosion and simplify tire mounting and demounting.
- Tire & Tube Mounting Compound makes mounting & demounting easier and can be packed into beads to assist in bead seating.

Item No.	Description
TBP25	TECH BLACK LUBE, 25 lb., 11.5kg
TBP8	TECH BLACK LUBE, 8 lb., 3.7kg
722	TECH TIRE & TUBE MOUNTING COMPOUND, 8 lb., 3.63kg
723	TECH TIRE & TUBE MOUNTING COMPOUND, 25 lb., 11.34kg



723



TBP25



722



TBP8

## TECH Bead Sealer

- 40% thicker than competitive bead sealers, offering a more complete seal.
- Less mess, reduces waste.
- Brush top lid for easy application.
- Provides an airtight seal between the wheel and the tire beads when the wheel is corroded.
- Use wire brush to remove corrosion prior to applying Bead Sealer.



Item No.	Description
735	TECH BEAD SEALER, 32 oz., 945ml can with brush

## Did You Know?

Our complete line of mounting & demounting chemicals all have a specific advantage. Watch this quick video to learn more!



735

CHEMICALS

## TECH Bead Breaker

TECH Bead Breaker is a penetrating rubber lubricant that frees stubborn beads from the rim and simplifies tire demounting.

Item No.	Description
734Q	BEAD BREAKER, 1 qt., 945ml can
734	BEAD BREAKER, 1 gal., 3.8 liter can
734-5G	BEAD BREAKER, 5 gal., 19 liter
734-55G	BEAD BREAKER, 55 gal., 209 liter



734



734Q

## TECH Tire Sealant

- TECH Heavy Duty Tire Sealant provides a permanent seal which is good for the life of the tire.
- Works in any pneumatic tire to virtually eliminate air loss.
- Seals bead, wheel and rim leaks in punctures as large as ½ inch.
- An environmentally friendly liquid which is soluble in water.
- Compatible with all natural and synthetic rubbers.
- Not intended for highway tires.

Item No.	Description	Box Qty.
TPTS32	TECH PREMIUM TIRE SEALANT, 32 oz., 950ml bottle	12
TPTS5	TECH PREMIUM TIRE SEALANT, 5 gal., 19 liter container	1
TPTS55	TECH PREMIUM TIRE SEALANT, 55 gal., 209 liter drum	1
TPTS275	TECH PREMIUM TIRE SEALANT, 275 gal., 1040 liter tote	1
IM-10005	TECH SEALANT PUMP	1



TPTS32

TPTS5



## TECH Rubber Cleaners

- TECH Rub-O-Matic is a CFC-free pre-buff cleaner which quickly and easily removes contamination from the inner liner of the tire allowing for increased repair unit adhesion and extended buffing wheel life.



704



704G



704A



705C



975

Item No.	Description	Box Qty.
704	RUB-O-MATIC, 1qt., 945ml can	Ea.
704A	RUB-O-MATIC, in aerosol spray can, 11.75 oz., 336g	Ea.
704G	RUB-O-MATIC, 1 gal., 3.8 liter can	Ea.
704-5G	RUB-O-MATIC, 5 gal., 19 liter	Ea.
704-55G	RUB-O-MATIC, 55 gal., 209 liter	Ea.
705C	TECH CITRUS-BASED RUBBER CLEANER, 32 oz., 945ml can	Ea.
705C-5G	TECH CITRUS-BASED RUBBER CLEANER, 5 gal., 19 liter	Ea.
975	ATOMIZER, 16 oz., 453.6g refillable sprayer	Ea.



## TECH Inner Liner Sealers

- TECH Security Coat is a water-based formula that provides air retention to the over-buffed area after repair.
- TECH Butyl Liner Repair Sealer is a chemical-based formula that provides air retention to the over-buffed area after repair.
- Use Tire Talc to lubricate innertubes, tube repairs and Monaflex Heat Pads.



738



706-1



739

Item No.	Description	Box Qty.
738	SECURITY COAT overbuff inner liner sealant, 16 fl. oz., 470ml	Ea.
738G	SECURITY COAT, 1 gal., 3.8 liter	Ea.
739	BUTYL LINER REPAIR SEALER, 1 pint, 473ml can with brush cap	Ea.
706-1	TIRE TALC, 1 lb., .5kg	Ea.

## TECH CHEK Leak Detector

- The easiest way to spot hard-to-find leaks, fast!
- Water-based formula is safe on all surfaces.
- Easy to use: Simply coat the surface and watch for the bubbles to indicate the source of the leak.
- Concentrated formula: Mix in any spray bottle.



Item No.	Description	Box Qty.
751	TECH-CHEK concentrate, 1 qt., 945ml bottle	Ea.
751-5G	TECH-CHEK concentrate, 5 gal., 19 liter	Ea.
751-55G	TECH-CHEK concentrate, 55 gal., 209 liter	Ea.
969	SPRAY BOTTLE, 16 oz.	Ea.



969



751

## TECH Hand Cleaners



730



730C



732



732C



743

Item No.	Description
730	TECH MEDICATED HAND CLEANER, 4.5 lb., 2.05kg can
730C	TECH CITRUS MEDICATED HAND CLEANER, 4.5 lb., 2.05kg can
731	DISPENSER for 730 and 732 Hand Cleaner cans
732	TECH PUMICE HAND CLEANER, 4.5 lb., 2.05kg can
732C	TECH CITRUS PUMICE HAND CLEANER, 4.5 lb., 2.05kg can
743	TECH SOY HAND CLEANER, 72 oz., 2125ml
743SP	TECH SOY HAND CLEANER STARTER KIT, Dispenser Pump and 72 oz., 2125ml Soap



731

## TECH Tire & Wheel Service Lubricants

- TECH Precision Air Tool Oil is used daily to keep air tools working to their full potential.
- TECH's family of shop chemicals are TECH tested and TECH approved to provide superior performance for tough jobs.
- Markal EZ Break anti-seize prevents threads and metal moving parts from sticking in the most corrosive environments.

Item No.	Description	Box Qty.
753	TECH PRECISION AIR TOOL OIL, 32 oz., 945ml	Ea.
418-08907	EZ BREAK® ANTI-SEIZE COPPER GRADE, 16 oz. 470ml, with brush cap	Ea.
418-08910	EZ BREAK® ANTI-SEIZE, 10 oz. 294ml, with brush cap	Ea.
TPL11	TECH PENETRATING LUBRICANT, 11 oz.	Ea.



TPL11



753

# TECH Repair Tools & Accessories



- Tech tools and accessories are made of the highest quality materials.
- Designed to make your tire repair job easier and faster.

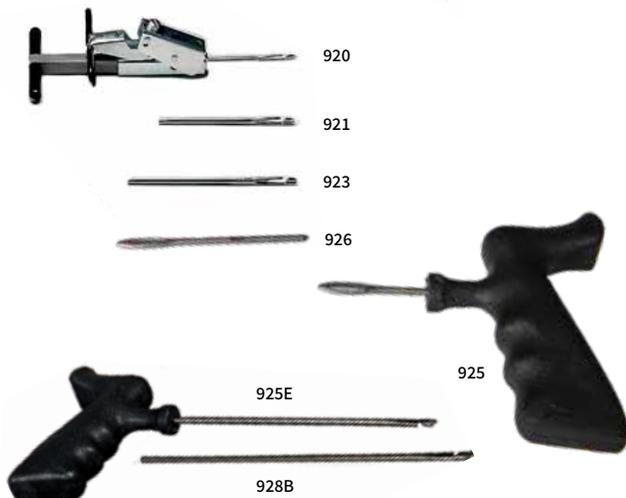
## Probes, Awls & Packing Tools

Item No.	Description	Box Qty.
915	SPIRAL CEMENT TOOL	Ea.
916	GIANT SPIRAL CEMENT TOOL for OTR Inserts	Ea.
918	DUCK BILL AWL, 4", 100mm length	Ea.
919	POINTED TIRE INSPECTION AWL, 8", 200mm length (screwdriver-style handle)	Ea.



## Stitchers & Scrapers

Item No.	Description	Box Qty.
933	RUBBER SCRAPER	Ea.
935	STITCHER/BUFFER	Ea.
936	STITCHER, 1 1/2", 38mm x 1/8", 3mm	Ea.
938	STITCHER, 1 1/2", 38mm x 1/32", 0.8mm	Ea.
939	STITCHER, 2", 50mm x 1/4", 6mm	Ea.

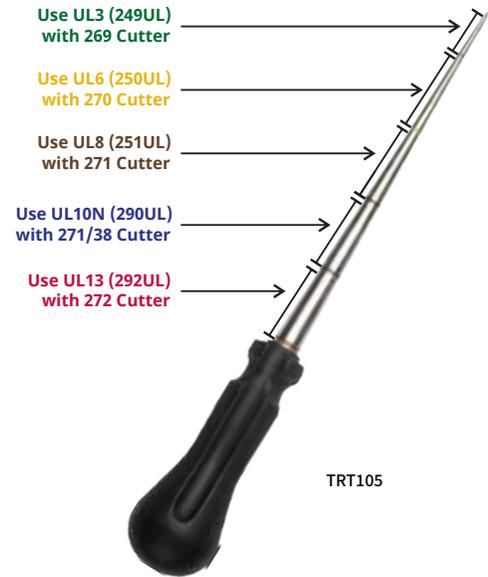


## Insert Tools & Replacement Needles

Item No.	Description	Box Qty.
900	INSERT TOOL, 3", 75mm	Ea.
903	STEEL T-HANDLE CUTTER	Ea.
905	HEAVY DUTY INSERT TOOL, 9", 225mm	Ea.
920	INSERT-O-MATIC TOOL	Ea.
921	PASSENGER REPLACEMENT NEEDLE	Ea.
923	INSERT-O-MATIC TRUCK NEEDLE	Ea.
925	PERMACURE PASSENGER TOOL, 2 1/8", 54mm	Ea.
926	PERMACURE PASSENGER REPLACEMENT NEEDLE	Ea.
925T	PERMACURE TRUCK TOOL, 2 3/4", 70mm	Ea.
927	PERMACURE TRUCK REPLACEMENT NEEDLE	Ea.
925E	PERMACURE EARTHMOVER TOOL, 6", 150mm	Ea.
928B	PERMACURE EARTHMOVER REPLACEMENT NEEDLE	Ea.

# TECH Color Coded Injury Measuring Tool

- Color-coded injury measuring tool made of the highest quality materials and designed to make tire repair jobs easier and faster.
- Measures the size of the injury allowing for proper sized tire repairs.



Item No.	Description	Box Qty.
TRT105	COLOR CODED INJURY MEASURING TOOL	Ea.

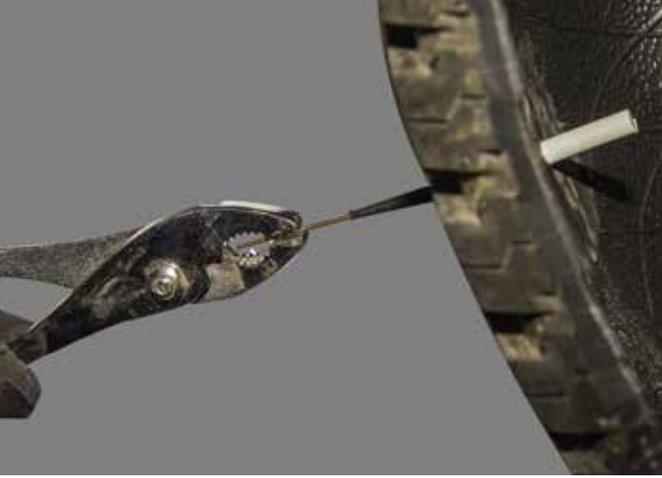
TRT105

## Marking Tools



Item No.	Description	Box Qty.
949	CRAYON HOLDER, designed to fit Tech's hex tire paint marking crayons	Ea.
SIP	SILVER INK PEN, 12 per box	Ea.
946W	MARKAL TRADES-MARKER® WHITE Mechanical Marker Pencil with 12 refills	Ea.
946Y	MARKAL TRADES-MARKER® YELLOW Mechanical Marker Pencil with 12 refills	Ea.
947W	MARKAL QUIK STIK® WHITE Mini Twist Paint Marker	12
947Y	MARKAL QUIK STIK® YELLOW Mini Twist Paint Marker	12
948	MARKAL B PAINTSTIK® WHITE Solid Paint Marker	12
948Y	MARKAL B PAINTSTIK® YELLOW Solid Paint Marker	12
951	MARKAL B PAINTSTIK® HEX WHITE Solid Paint Marker	12
951Y	MARKAL B PAINTSTIK® HEX YELLOW Solid Paint Marker	12
950	MARKAL TYRE MARQUE® YELLOW Solid Paint Crayon, marks easily on wet or cold rubber surfaces for bold, visible marks	12
950W	MARKAL TYRE MARQUE® WHITE Solid Paint Crayon, marks easily on wet or cold rubber surfaces for bold, visible marks	12
96010	MARKAL CHINA MARKER WHITE, paper wrapped grease pencil for smooth writing on most surfaces. Moisture resistant. No sharpening required.	12

# TECH Repair Tools & Accessories



## Miscellaneous Hand Tools

Item No.	Description	Box Qty.
913	SLIP JOINT PLIERS, 8", 200mm	Ea.
973	DIAGONAL PLIERS, 6", 150mm	Ea.



## Brushes

Item No.	Description	Box Qty.
931	WIRE BUFFER for rim/battery terminal	Ea.
TECH966	WHITEWALL CLEANING BRUSH with brass bristles	Ea.
TECH974	INNERLINER BRUSH with stainless steel bristles	Ea.
TECH30515	WIRE WHEEL PREPARATION BRUSH	Ea.



## Knives & Scissors

Item No.	Description	Box Qty.
807	BREAK-OFF RETRACTABLE KNIFE	Ea.
940	X2T TAPER SKIVING KNIFE	Ea.
941	X1Y EXTRA CURVE SKIVING KNIFE	Ea.
942	X3N ROUND POINT FLEXIBLE SKIVING KNIFE	Ea.
SS10	HEAVY DUTY RETREAD SCISSORS, 5", 125mm cut	Ea.

# TECH Carbide Cutters & Carbide Burrs

- Carbide Cutters are specifically designed for use with TECH Uni-Seal Ultra Repairs and stem.
- Remove damaged steel cables within injuries in radial tires.
- Made from high-quality carbide steel for efficient damage removal and long life.
- 1,200 RPM maximum.



## Carbide Cutters for Passenger & Light Truck Tires

Item No.	Description	Adaptor
269	CARBIDE CUTTER, 3", 75mm length, for 1/8", 3mm injuries	S1043
270P	CARBIDE CUTTER, 2", 50mm length, for 1/4", 6mm injuries	S1040
271P	CARBIDE CUTTER, 3", 75mm length, for 5/16", 8mm injuries	S1041
273	CARBIDE CUTTER, 3/16" x 2" x 3" for use with Permacure Inserts	S1040



CAUTION: Always wear eye protection.

## Did You Know?

Carbide cutters cut away damage and should never be replaced with an ordinary drill bit. See this short article & video to learn why.



## Carbide Cutters for Commercial Tires

Item No.	Description	Adaptor
270	CARBIDE CUTTER, 3", 75mm length, for 1/4", 6mm injuries	S1040
271	CARBIDE CUTTER, 4", 100mm length, for 5/16", 8mm injuries	S1041
271/38	CARBIDE CUTTER, 4 9/16", 120mm length, for 3/8", 10mm injuries	S1041/38
272	CARBIDE CUTTER, 5", 125mm length, for 1/2", 13mm injuries	S1041/38



CAUTION: Always wear eye protection.

## Diamond-Cut Burrs

- Diamond-Cut Burrs are a quick and efficient way to remove loose wire in radial truck and bus tires when making a section repair.

Item No.	Description	Shaft Size
280	MINI POINTED CARBIDE BURR, 1 1/4", 30mm length	1/8", 3mm
282	POINTED END CARBIDE BURR, 2", 50mm length	1/4", 6mm
283	MINI-ROUTER CARBIDE BURR, 1 1/2", 40mm length	1/8", 3mm
284	ROUTER CARBIDE BURR, 2 1/2", 65mm length	1/4", 6mm
284C	COARSE-CUT ROUTER CARBIDE BURR, 2 1/2", 65mm length	1/4", 6mm
286	BALL-SHAPED CARBIDE BURR, 2 3/4", 70mm length, 3/4", 20mm diameter	1/4", 6mm

NOTE: When using Cat. Nos. 280, 282, 283, 284C and 286, a buffer achieving 20,000 to 30,000 RPM will produce the best results.



CAUTION: Always wear eye protection.



# TECH Premium Buffing Wheels

- Improved buffed texture – increases repair quality and safety
- Cooler buffing – without scorching
- Decreased buffing time – reduced labor cost
- Smooth operation – improved operator comfort
- Longer wheel life – lower cost per repair & higher profits

## Choose the Flared Contour Wheels That Work Best for Your Application

### 1-1/4" High Performance/Low Profile Buffing Wheel

- Buffs inner liner of low-aspect tires without damaging the bead area
- Machined-steel construction for smooth operation
- Internal thread; no exposed threads at top
- Superb control and comfortable use



RH140

Item No.	Diameter	Width	Bore	Coating
RH140	1 1/4", 31.7mm	3/4", 19mm	3/8" - 24 Thread	170 - Fine



RH102

### 2" Passenger/Light Truck Tire Buffing Wheel

- Proven 2" diameter packs high performance in compact design
- Easy to control – buffs quickly and smoothly
- Much safer than buffing stones

Item No.	Diameter	Width	Bore	Coating
RH102	2", 50.8mm	3/4", 19mm	3/8", 9.5mm	170 - Fine
RH104	2", 50.8mm	3/4", 19mm	3/8", 9.5mm	230 - Medium



RH107

### 2-1/2" All-Purpose Tire Buffing Wheel

- Our most popular wheel
- Covers more tire sizes than any other wheel
- Wide range of applications: Passenger/LT, Medium & Commercial Truck and Retreading

Item No.	Diameter	Width	Bore	Coating
RH107	2 1/2", 63.1mm	1 1/16", 26.9mm	3/8", 9.5mm	170 - Fine
RH109	2 1/2", 63.1mm	1 1/16", 26.9mm	3/8", 9.5mm	230 - Medium
RH111	2 1/2", 63.1mm	1 1/16", 26.9mm	3/8", 9.5mm	390 - Coarse



S2027

### 2" Economy Tire Buffing Wheel

- Proven flared contour shape
- Reduced aggressiveness is ideal for thin liners
- More forgiving for less-experienced technicians
- Much safer than black stones!



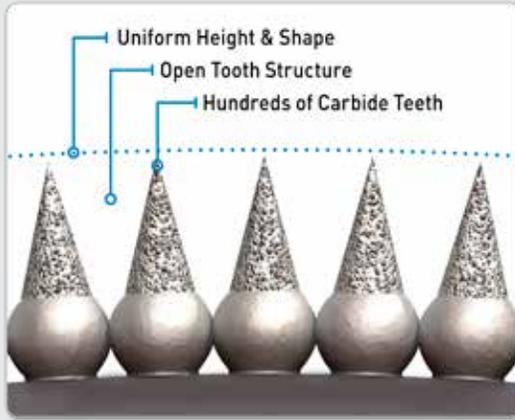
Snap for video

Item No.	Diameter	Width	Bore	Coating
S2027	2", 50mm	3/4", 20mm	3/8" - 24 Thread	60 - Standard



**Choose the Right Adaptor for your Buffing Wheel:**

1-1/4" – 2-1/2" Wheels use S1046  
 3" Wheels use S1047  
 3-1/2" Wheels use S1047XL  
 See page 45



*SSG Structured Carbide coatings and unique flared shape maximizes contact, producing a flat, level buffed surface!*

**Specialty Sizes & Coatings**

Item No.	Diameter	Width	Bore	Coating
RH100	1 <sup>3/4</sup> ", 44.4mm	3/4", 19mm	3/8", 9.5mm	170 - Fine
RH112	3", 76.2mm	1 <sup>1/4</sup> ", 31.7mm	3/8", 9.5mm	170 - Fine
OLVRH114*	3", 76.2mm	1 <sup>1/4</sup> ", 31.7mm	3/8", 9.5mm	230 - Medium
OLVRH116*	3", 76.2mm	1 <sup>1/4</sup> ", 31.7mm	3/8", 9.5mm	390 - Coarse
RH118-3/8	3 <sup>1/2</sup> ", 88.9mm	1 <sup>1/2</sup> ", 38.1mm	3/8", 9.5mm	170 - Fine
RH120	3 <sup>1/2</sup> ", 88.9mm	1 <sup>1/2</sup> ", 38.1mm	3/8", 9.5mm	230 - Medium
RH122	3 <sup>1/2</sup> ", 88.9mm	1 <sup>1/2</sup> ", 38.1mm	3/8", 9.5mm	390 - Coarse

\* Denotes special order item.



**Extreme Flared Contour Wheels**

Ideal for removing repairs when working in a retread or section repair facility.

Item No.	Diameter	Width	Bore	Coating
RH114X	3", 76.2mm	1 <sup>1/4</sup> ", 31.7mm	3/8", 9.5mm	Extreme 70 - Medium
RH116X	3", 76.2mm	1 <sup>1/4</sup> ", 31.7mm	3/8", 9.5mm	Extreme 90 - Coarse
RH120X	3 <sup>1/2</sup> ", 88.9mm	1 <sup>1/2</sup> ", 38.1mm	3/8", 9.5mm	Extreme 70 - Medium
RH122X	3 <sup>1/2</sup> ", 88.9mm	1 <sup>1/2</sup> ", 38.1mm	3/8", 9.5mm	Extreme 90 - Coarse



**Poly Plugs For Flared Contour Wheels**

Poly Plugs easily fit inside Contour Wheels, compensating for mounting inaccuracies. Reusable Poly Plugs improve wheel life and reduce vibration for smoother, quieter, more comfortable operation.

Item No.	Diameter	Bore
RH150	1", 25.4mm	3/8", 9.5mm
RH151	2", 50.8mm	3/8", 9.5mm
RH152	2 <sup>1/2</sup> ", 63.1mm	3/8", 9.5mm
RH154	3", 76.2mm	3/8", 9.5mm
RH156	3 <sup>1/2</sup> ", 88.9mm	3/8", 9.5mm

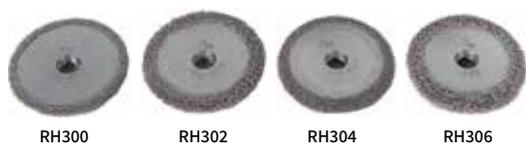


SERVICE TOOLS & EQUIPMENT

# TECH Tire Repair Tools

## Buzzout Wheels

With a fully-rounded profile, buzzout wheels are free cutting and long lasting. Buzzout wheels are excellent for bias tires, and used for skiving on high-tread radial tires. Not recommended for contact with steel cord. Use S1046 Adaptor.



RH300 RH302 RH304 RH306



RH308 RH310 RH312 RH314



RH1160XV

Item No.	Diameter	Width	Bore	Coating
RH300	2", 51.8mm	1/4", 6.3mm	3/8" - 24 Thread	230 - Medium
RH302	2", 51.8mm	1/4", 6.3mm	3/8" - 24 Thread	390 - Coarse
RH304	2", 51.8mm	3/8", 9.5mm	3/8" - 24 Thread	230 - Medium
RH306	2", 51.8mm	3/8", 9.5mm	3/8" - 24 Thread	390 - Coarse
RH308	2", 51.8mm	1/2", 12.7mm	3/8" - 24 Thread	230 - Medium
RH310	2", 51.8mm	1/2", 12.7mm	3/8" - 24 Thread	390 - Coarse
RH312	2", 51.8mm	3/4", 19mm	3/8" - 24 Thread	230 - Medium
RH314	2", 51.8mm	3/4", 19mm	3/8" - 24 Thread	390 - Coarse

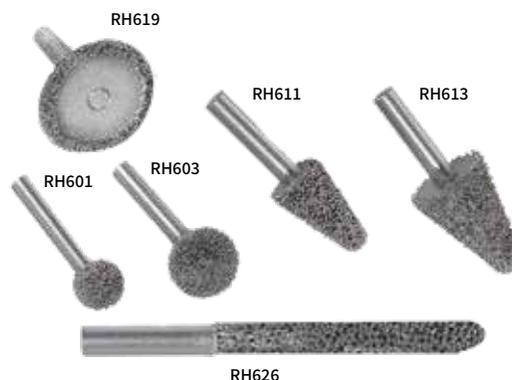
## Extreme Sidewall Wheels

Item No.	Diameter	Width	Bore	Coating
RH1160XV	7", 177.8mm	-	7/8", 22.2mm	Extreme 120 - Very Coarse

## Tapered Cones, Balls, Pencil Rasp, Rotor Saw, 1/4" Shaft

Item No.	Shape	Diameter	Head Length	Coating
RH601	Sphere	5/8", 15.8mm	5/8", 15.8mm	330 - Coarse
RH603	Sphere	7/8", 22.2mm	7/8", 22.2mm	330 - Coarse
RH605	Sphere	1 1/8", 28.5mm	1 1/8", 28.5mm	330 - Coarse
RH611	Taper	5/8", 15.8mm	1", 25.4mm	330 - Coarse
RH613	Taper	7/8", 22.2mm	1 1/4", 31.7mm	330 - Coarse
RH619	Rotor Saw	1 3/8", 34.9mm	1/4", 6.3mm	330 - Coarse
RH626	Nail Hole Reamer	1/4", 6.3mm	3", 76.2mm	330 - Coarse

Use S1044 Adaptor



## 4-Piece 1/8" Shaft Repair Kit

Item No.	Shape	Diameter	Head Length	Coating
RH635	Long Taper	1/8", 3.1mm	3/4", 19mm	170 - Fine
	Short Taper	1/4", 6.3mm	1/2", 12.7mm	170 - Fine
	Sphere	3/8", 9.5mm	3/8", 9.5mm	170 - Fine
	Rotor Saw	3/4", 19mm	1/8", 3.1mm	170 - Fine

Use S1043 Adaptor



## TECH Buffing Stones

- Buffing stones are recommended for buffing the inside of bias tires with very little rubber covering body cord material.
- These stones produce the desired texture without damaging exposed fabric.

### Buffing Stones

Item No.	Description
S946	BUFFING STONE, 4" x 1 1/4", 100mm x 30mm, 46 grit, 1/2", 13mm arbor hole, 4,200 rpm max.
S947	BUFFING STONE, 3" x 1 1/4", 75mm x 30mm, 46 grit, 3/8", 10mm arbor hole, 5,000 rpm max.

Use S1047XL Adaptor



# TECH Buffing Wheels, Tungsten Carbide Rasps & Cups

- TECH tungsten carbide buffing wheels and cups have an aircooled design which permits faster, cooler and cleaner buffing and helps eliminate the burning of rubber.

## Wheels



Item No.	Description
S1009	BC-2 WHEEL, a 2", 50mm diameter wheel for tube repairs and light work. 5000 RPM max.
S1011	BC-1 WHEEL, a 2 1/2", 65mm diameter wheel for tube repairs and light work. 5000 RPM max.
S1011-1	TWO BC-1 WHEELS (S1011) placed back-to-back with S1049 threaded arbor adaptor. 5000 RPM max.
S2032	NO. 60 HB NICKEL CHROMIUM BUFFING WHEEL designed to outlast copper colored wheels. For texturizing of tubes and innerliners. 2 1/2", 65mm diameter, 3/8", 10mm arbor hole. 5000 RPM max.

S1009, S1011 and S2032 use S1046 Adaptor. S1011-1 use S1044 Adaptor.

## Round Faced Rasps



Item No.	Ø or Length	Width	Hole	Grit
S2000	2", 50mm	1/4", 6mm	3/8" - 24 Thread	16
S2001	2", 50mm	1/4", 6mm	3/8" - 24 Thread	36
S2002	2", 50mm	1/2", 13mm	3/8" - 24 Thread	16
S2003	2", 50mm	1/2", 13mm	3/8" - 24 Thread	36
S2004	2", 50mm	3/4", 20mm	3/8" - 24 Thread	16
S2005	2", 50mm	3/4", 20mm	3/8" - 24 Thread	36
S2204	2", 50mm	1/8", 3mm	3/8" - 24 Thread	16

The maximum speed for items S2000 through S2204 is 5000 RPM. Use S1046 Adaptor.

## Pencil Rasps, Tapered Cone Rasps



Item No.	Ø or Length	Width	Hole	Grit
S2006	2 1/2", 65mm	1/4", 6mm	—	16
S2007	2 1/2", 65mm	1/4", 6mm	—	36
S2008	4", 100mm	3/4", 20mm	3/8" - 24 Thread	16
S2009	4", 100mm	3/4", 20mm	3/8" - 24 Thread	36
S2010	2", 50mm	1", 25mm	3/8" - 24 Thread	16
S2011	2", 50mm	1", 25mm	3/8" - 24 Thread	36

The maximum speed for items S2006 through S2011 is 5000 RPM. S2006 and S2007 use S1044 Adaptor. S2008 - S2011 use S1046 Adaptor.

## Contour Cups



Item No.	Ø or Length	Width	Hole	Grit
S2020	3", 75mm	1 1/2", 40mm	3/8", 10mm	36
S2021	3", 75mm	1 1/2", 40mm	3/8", 10mm	60
S2022	4", 100mm	1 1/2", 40mm	1/2", 13mm	36
S2023	4", 100mm	1 1/2", 40mm	1/2", 13mm	60

The maximum speed for items S2020 through S2023 is 5000 RPM. S2020 and S2021 use S1046 Adaptor. S2022 and S2023 use S1047 Adaptor.

# TECH Wire Brushes

- TECH's encapsulated wire brushes are a critical component to performing section repairs.
- Can be used to remove rubber surrounding steel cables, allowing damaged steel to be removed without creating excess scorch.
- Brushes are ideal for cleaning buffed surfaces and skives.

## Encapsulated Wire Brushes



Item No.	Description
<b>TECHS890</b>	POLYURETHANE ENCAPSULATED BRUSH to remove rubber around steel cables. 2", 50mm diameter, 5,000 rpm max. 1/2", 13mm arbor hole with 3/8", 10mm reducer.
<b>TECHS891</b>	POLYURETHANE ENCAPSULATED BRUSH to remove rubber around steel cables. 3", 75mm diameter, 5,000 rpm max. 1/2", 13mm arbor hole with 3/8", 10mm reducer.
<b>S897</b>	RUBBER ENCAPSULATED BRUSH to remove rubber around steel cables. 2", 50mm diameter, 5,000 rpm max. 1/2", 13mm arbor hole with 3/8", 10mm reducer.
<b>S898</b>	RUBBER ENCAPSULATED BRUSH to remove rubber around steel cables. 3", 75mm diameter, 5,000 rpm max. 1/2", 13mm arbor hole with 3/8", 10mm reducer.

Use S1046 Adaptor

## Radial Skive Brushes

Item No.	Description
<b>TECHRSB3</b>	RADIAL SKIVE BRUSH, 3", 75mm diameter, fits 1/2", 13mm or 3/8", 10mm arbors
<b>TECHRSB3E</b>	PLASTIC ENCAPSULATED BRUSH, same as RSB3
<b>S1046D</b>	DUAL QUICK CHANGE ADAPTOR, 3/8", 10mm diameter



## Aluminum Oxide Stones

Item No.	Description	Max RPM
<b>S870</b>	MINI-PENCIL STONE, 7/16", 10.5mm, mounted on a 1/8", 3mm shaft	30,000
<b>S872</b>	PENCIL STONE, 1 1/16", 25mm long, 5/16", 8mm width	47,000
<b>S872S</b>	SMALL PENCIL STONE, 1 1/16", 25mm long, 1/4", 6mm width	47,000
<b>S873</b>	MUSHROOM STONE, 1 5/8", 40mm diameter, mounted on a 1/4", 6mm shaft	23,500
<b>S874</b>	MINI MUSHROOM STONE, 1/2", 13mm x 3/4", 6mm, mounted on a 1/8", 3mm shaft	30,000
<b>S875</b>	CONICAL STONE, 1 1/8", 20mm x 3/4", 20mm wide mounted on a 1/4", 6mm shaft	33,500
<b>S879</b>	MUSHROOM STONE, 1 1/4", 30mm diameter, mounted on a 1/4", 6mm shaft	30,500

CAUTION: Always wear eye protection.



## Wire Brushes



Item No.	Description
<b>TECHS892</b>	TEXTURE BRUSH, contains (2) 3", 75mm brushes and (2) 2", 50mm flat washers to keep bristles firm. 5,000 rpm max. Use S1047 Adaptor.
<b>TECHS893</b>	SOFT WIRE TEXTURE BRUSH, 1 1/2", 40mm diameter. Ideal for cleaning buffed surfaces in passenger tire nailhole repairs and feathering loose inner liners. 5,000 rpm max. Use S1046 Adaptor.
<b>TECHS894</b>	RIM CLEANING BRUSH, 2", 50mm. 5,000 rpm max. Use S1046 Adaptor.
<b>TECHS896</b>	SKIVE BRUSH removes scorched rubber in injury channel. 1/2", 13mm, .005 wire. 5,000 rpm max. Use S1044 Adaptor.

# TECH Rotary Gouges

- Lightweight construction and cooler running design enhances the performance and life of these rubber cutting gouges.
- The razor-like surface quickly removes large quantities of rubber.
- Fast and easy rubber removal design minimizes operator fatigue and permits better control.

Item No.	Description	Diameter	Arbor Hole	Box Qty.
S2040	ROTARY GOUGE	2", 50mm	1/2", 15mm	1
S2042	THIN WALL ROTARY GOUGE, no notch	2", 50mm	3/8", 10mm	2
S2043	THIN WALL ROTARY GOUGE, with notch	2", 50mm	3/8", 10mm	2
S2045	ROTARY GOUGE	1 1/4", 30mm	3/8", 10mm	3
S2046	MICRO ROTARY GOUGE	3/4", 20mm	3/8", 10mm	4
S2047	REDUCER, 1/2", 15mm to 3/8", 9mm			1

Use S1046 Adaptor



CAUTION: Always wear eye protection.

# TECH Squiggly Tool

- Squiggly Tool replaces 2" x 3/8" and 1/2" carbide gritted wheels for fast rubber removal with less heat buildup.
- Lighter weight and easier control.

Item No.	Description
S2020-104	24 BLADES, 2 SUPPORT PLATES, 2", 50mm with 3/8", 10mm bore

Use S1046 or S1047 Adaptor.



CAUTION: Always wear eye protection.

# TECH Buffing Rasps

Item No.	Description	Diameter	Width	Grit Size	Qty.
SP204/16	FLAT FACE RASP	2"	3/16"	16	Ea.
SP208/16	FANNED FACE RASP	2"	1/2"	16	Ea.
SP208/36	FANNED FACE RASP	2"	1/2"	36	Ea.

Use S1046 Adaptor



# TECH Cut Off Wheels

Item No.	Description	Size	Box Qty.
TMRCW1-50*	CUT OFF WHEEL	3" x 1/16" x 3/8"	50
TMRCW5-50*	CUT OFF WHEEL	3" x 1/32" x 3/8"	50
TMRCW10-50*	CUT OFF WHEEL	3" x 3/32" x 3/8"	50
TMRCW15-50*	CUT OFF WHEEL	4" x 3/32" x 3/8"	50

\*Denotes special order item.

For Cut Off Wheels, Use With The Following Chuck Adaptors:

Item No.	Description
S1048	DRILL CHUCK SHORT ADAPTOR, 1 1/2", 40mm. 3/8", 24 thread
S1049	DRILL CHUCK LONG ADAPTOR, 2 3/4", 70mm. 3/8", 24 thread. Two nuts included.



TMRCW1-50

# TECH Air Tools & Accessories

## Buffers



S1032AC



CP873K



SLP6550



S1036



S1039



CP871

Item No.	Description
S1032AC	LOW RPM GEAR HEAD REAR EXHAUST AIR BUFFER Ideal for preparing all rubber surfaces. Three gear head produces 2600 max. rpm at 90 psi. Complete with exhaust hose and quick change chuck.
AC-6400*	HIGH RPM, REAR EXHAUST AIR BUFFER Excellent for preparing steel cables. 20,000 max. rpm at 90 psi. Complete with Jacobs chuck exhaust kit.
AC-6403*	LOW RPM, GEAR HEAD REAR EXHAUST AIR BUFFER ideal for preparing all rubber surfaces. 4500 max. rpm at 90 psi. Threaded arbor 3/8", 24 thread. Optional S1037 rear exhaust kit available.
CP871	HIGH SPEED TIRE BUFFER
CP871K*	HIGH SPEED TIRE BUFFER with exhaust kit
CP873	LOW SPEED TIRE BUFFER
CP873K	LOW SPEED TIRE BUFFER with exhaust kit
S1036	LOW RPM GEAR HEAD REAR EXHAUST AIR BUFFER ideal for preparing all rubber surfaces. 4000 max. rpm at 90 psi. Threaded arbor 3/8", 24 thread. Optional S1037 rear exhaust kit available. Chuck and key sold separately.
S1039	HIGH RPM REAR EXHAUST AIR BUFFER excellent for preparing steel cables. 22000 max. rpm at 90 psi. Threaded arbor 3/8", 24 thread. Optional S1037 rear exhaust kit available. Chuck and key sold separately.
S1010C	JACOBS CHUCK for S1036 and S1039
S1010K	CHUCK KEY for S1036 and S1039
S1045	QUICK CHANGE CHUCK for S1036 and S1039. Fits 3/8", 24 thread spindle.
SLP6550	3500 RPM HIGH TORQUE SKIVING AIR BUFFER threaded arbor 3/8" with quick chuck. Made in U.S.A.

\* Denotes special order item.



## Drills



S1035



S1037

Item No.	Description
S1035	500 RPM REVERSIBLE DRILL excellent for removing damaged rubber and steel. Complete with quick change chuck and exhaust kit. For use with carbide cutters 269-272, max. 90 psi.
S1037	REAR EXHAUST KIT for use with S1032, S1035, S1036, S1039 and SLP6550

# TECH Air Tools & Accessories

## Adaptors, Chucks & Accessories



Item No.	Description
S1040	QUICK CHANGE ADAPTOR for No. 270 and No. 270P carbide cutters. For use in S1045 quick change chuck.
S1041	QUICK CHANGE ADAPTOR for No. 271 and No. 271P carbide cutters. For use in S1045 quick change chuck.
S1041/38	QUICK CHANGE ADAPTOR designed to accept a No. 271/38 and No. 272 carbide cutter. (not shown) Use 912 Allen Wrench for tightening. (not shown)
S1043	1/8" QUICK CHANGE ADAPTOR permits use of tools with 1/8", 3mm shank to be adapted to S1045 chuck.
S1044	1/4" QUICK CHANGE ADAPTOR permits use of tools with 1/4", 6mm shank to be adapted to S1045 chuck.
S1046	QUICK CHANGE SHORT ADAPTOR 3/8", 24 thread. One flat washer, one nut included. 1/2", 13mm thread length.
S1046D	QUICK CHANGE ADAPTOR for RSB-3 brush.
S1047	QUICK CHANGE LONG ADAPTOR 3/8", 24 thread. One flat washer, one nut included. 1", 25mm thread length.
S1047XL	QUICK CHANGE EXTRA LONG ADAPTOR 3/8", 24 thread. One flat washer, two nuts included. 1 3/4", 45mm thread length. For rasps, buffing wheels & brushes where extra length is required.
S1048	DRILL CHUCK SHORT ADAPTOR 3/8", 24 thread. 1 1/2", 40mm thread length. For use with S1010 drill chuck.
S1049	DRILL CHUCK LONG ADAPTOR 3/8", 24 thread. 2 3/4", 70mm thread length. Two nuts included. For use with S1010 drill chuck.

SERVICE TOOLS & EQUIPMENT

## Air Powered Vacuum Cleaner

- Ensures quick and complete removal of buffing dust and other debris inside the tire.
- Faster and less bulky than breaking out the shop vac!



Item No.	Description
S999	Air Powered Vacuum



# Milwaukee M12 Cordless Buffer

Perform up to 30 Repairs Per Charge!

- **No Cords or Air Hoses** – Uses Milwaukee's powerful M12 Batteries.
- **Dual Modes to Complete the Job** – Buffing and drilling modes for a powerful two-in-one combo.
- **Built-In LED Light** – Illuminate your work area for easier inner-liner buffing.
- **One Battery, Many Tools** – Use your M12 battery to power Milwaukee's entire line of M12 Fuel Tools.
- The ultimate tool for mobile tire repair.



## Milwaukee M12 Fuel Cordless Low-Speed Tire Buffer Kit Includes:

- M12 Fuel Low Speed Tire Buffer
- M12 Redlithium XC4.0 Battery
- M12 Redlithium CP2.0 Battery
- M12 Charger
- Carrying Case

2409-22 | 2.27 lbs. | 11" Long



## DUAL MODES – Buff and Drill with the Same Tool

• 2,500 RPM Buffing Mode • 1,200 RPM Drilling Mode



# Milwaukee M18 Cordless 1/2" Impact Wrench Kit

- **No Cords, No Air Hoses** – Uses Milwaukee's powerful M18 Batteries.
- **Lug Busting Power** – Delivers 1,100 ft/lbs of bolt-busting torque in the palm of your hand.
- **Versatile Fastening Power** – Four programmable torque settings for passenger, light truck and commercial vehicles.
- **One-Key Connectivity** – Customize, track and manage setting from your smart phone.



## Milwaukee M18 Fuel Cordless 1/2" Impact Wrench Kit Includes:

- M18 Fuel 1/2" Wrench
- Two M18 Redlithium XC5.0 Battery
- M12/M18 Multi-Volt Charger
- Carrying Case

2769-22 | 5.8 lbs. | 10" Long



# Milwaukee Service Tools, Batteries & Chargers

Item No.	Description
2409-22	M12 LOW-SPEED BUFFER KIT, includes batteries, charger and carrying case
2409-20	M12 LOW-SPEED BUFFER (tool only), includes quick-change adaptor, battery sold separately.
2769-22	M18 FUEL 1/2" Ext. Anvil Control Torque Impact Wrench Kit
2554-22	3/8" IMPACT WRENCH Kit Delivers 250ft/lbs or breakaway torque for stubborn lugs.
2485-22	ANGLE DIE GRINDER Cut, sand and remove oxidation. No air hoses or cords required.
2567-22	HI-SPEED RATCHET Compact size offers fastest speed in tightest places. Superior durability.
0850-20	COMPACT VACUUM Versatile high-powered vac. Clean up buffed rubber or use it for detailing.
2446-21XC	GREASE GUN Lubrication with no air hoses or hand pumping required. Capable of 8,000 PSI.
48-11-2420	M12 REDLITHIUM CP2.0 Battery
48-59-1810	M18 / M12 Mobile Vehicle Charger
48-59-1812	M18 / M12 Standard Wall Charger



Some Milwaukee Tools Feature One-Key Technology to Wirelessly Track Customize and Manage Your Tools for Fast, Accurate Record Keeping

SERVICE TOOLS & EQUIPMENT



## TECH is Proud to Offer the Milwaukee Tool Line

This is just a sample of the M12 Tools, Kits, Batteries and Charging Stations we have available. Don't see what you're looking for? Please Ask!

# TECH Repair Manuals & Repair Charts

## Repair Manuals

Item No.	Description
RM-1	TUBE REPAIR
RM-4	250UL & 251UL UNI-SEAL ULTRA REPAIR on a Speed Rated Tire
RM-5	2-PIECE REPAIR
RM-OTR	OTR Section Repair Manual
RM-8	Truck Tire Section Repair Manual
828	Puncture Repair Training Guide



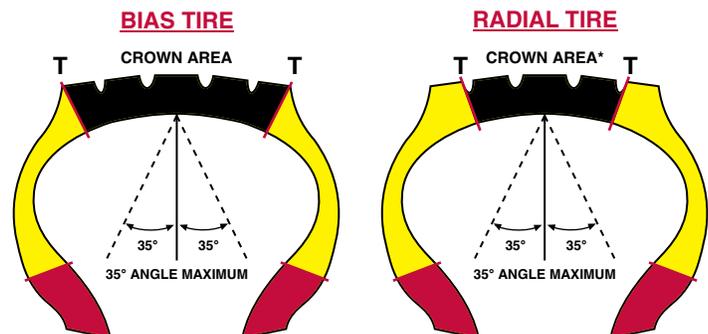
Download Full Repair Manuals and Charts on Our Website!



## TECH Uni-Seal Ultra, Uni-Seal Ultra Max & Bias Uni-Seal Repair Applications

Angles greater than 35° require a 2 piece repair system to be used.

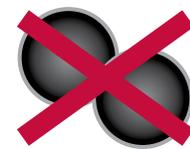
\*Radial tire crown area begins 1" (25mm) from tread edge on passenger tires, or 1½" (40mm) on all truck and ag. tires.



## Radial & Bias Crown Injuries

Prepared Crown Injury Size mm / in.	H, V, Z Rated & Run Flat Tires (limit 1)	T Rated Tires & Below	Light Truck Tires	Medium & Heavy Truck Tires	Ag, Industrial & Small OTR Tires
3mm / 1/8"	UL3	UL3			
6mm / 1/4"	UL6	UL6	UL6	UL6	
8mm / 5/16"			UL8	UL8	
10mm / 3/8"			UL10 or UL10N	UL10 or UL10N	UL10 or UL10N
13mm / 1/2"			UL13	UL13	UL13

### REPAIRS MUST NOT



**OVERLAP**

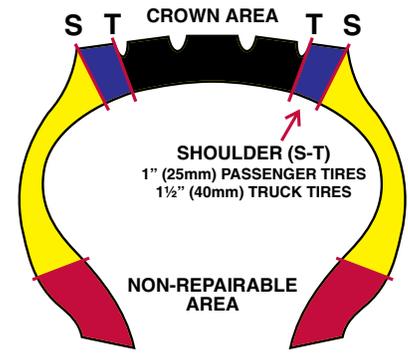


**BE IN THE SAME BODY PLY**

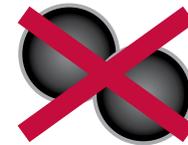
# Radial 2-Piece Nail Hole Repair Applications

## Maximum Prepared Injury – Radial

TYPE OF TIRE	Prepared Injury Size	Carbide Cutter	Uni-Seal Stem	Crown Area Repair Unit	Shoulder Area Repair Unit
Passenger Tires (H, V & Z Rated & Run Flat Tires) Limit 1 Per Tire	1/4" (6mm)	270	ULS6 (250-1UL)	CT-10, MP-0 OR 111	
Light Truck Tires	1/4" (6mm)	270	ULS6 (250-1UL)	CT-10, MP-0 OR 111	CT-22
	5/16" (8mm)	271	ULS8 (251-1UL)	CT-12, MP-0 OR 111	CT-22
	3/8" (10mm)	271/38	ULS10 (291-1UL)	CT-20, MP-2 OR 112	CT-24
Truck & Farm Tractor Tires	1/4" (6mm)	270	ULS6 (250-1UL)	CT-10HD, MP-1 OR 111	CT-24
	5/16" (8mm)	271	ULS8 (251-1UL)	CT-12HD, MP-2 OR 111	CT-24
	3/8" (10mm)	271/38	ULS10 (291-1UL)	CT-20 OR 112	CT-26
Heavy Truck & Super Singles	3/8" (10mm)	271/38	ULS10 (291-1UL)	CT-20 OR 112	CT-26



REPAIRS **MUST NOT**



**OVERLAP**



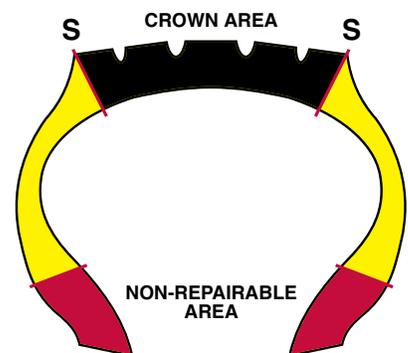
**BE IN THE SAME BODY PLY**

# Bias 2-Piece Nail Hole Repair Applications

## Maximum Prepared Injury – Bias



Prepared Injury Size	Carbide Cutter	Uni-Seal Stem	6 Ply	8 Ply	10-12 Ply	14-22 Ply
1/4" (6mm)	270	ULS6 (250-1UL)	MP-0	MP-0	MP-0	MP-1
5/16" (8mm)	271	ULS8 (251-1UL)	MP-0	MP-1	MP-1	MP-1
3/8" (10mm)	271/38	ULS10 (291-1UL)	MP-1	MP-2	MP-2	112

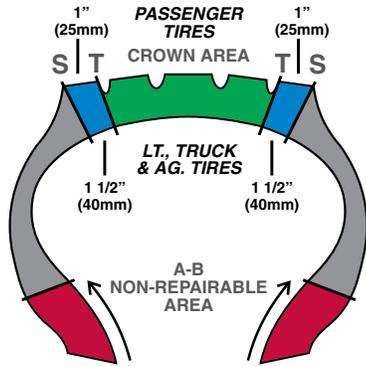


REPAIRS **MUST NOT**

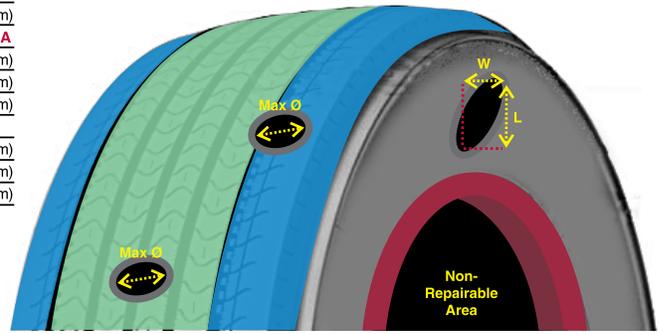


**OVERLAP**

# Centech & Thermacure Radial Repair Chart



A-B NON-REPAIRABLE AREA	
Passenger Tires	1 1/2" (40mm)
TRUCK TIRE A-B NON REPAIRABLE AREA	
6.50-7.00 (165-195)	2 1/2" (65mm)
7.50-16.00 (205-385)	3" (75mm)
17.5-23.5 (425-600)	3 1/2" (90mm)
AG TIRE A-B NON REPAIRABLE AREA	
13.6-16.9 (345-430)	4" (100mm)
18.4-20.8 (465-530)	4 1/2" (115mm)
23.1 & Larger (585 & larger)	5 1/2" (140mm)



## CENTECH RADIAL PASSENGER REPAIR CHART

Note: This section repair chart is a guideline only. Local regulations, load and speed can affect the limitations of section repairs. Injuries beyond the crown area and/or larger than 6mm (1/4") after preparation in passenger and some light truck tires should only be repaired in a full service repair facility.

CROWN AREA BEGINS 1" (25mm) IN FROM TREAD EDGE

Sidewall Injury	Crown Injury Diameter	Through U Speed Rating	Speed Rated H, V, W, Y & Z, and Run Flat Tires		
				Width	Length
		10	10	1/4" (6mm)	1/2" (13mm)
				1/4" (6mm)	2" (50mm)
		10HD	14	3/8" (10mm)	3/8" (10mm)
				3/8" (10mm)	1 1/2" (40mm)
				3/8" (10mm)	2" (50mm)
		12HD	14	1/2" (13mm)	1 1/2" (40mm)
				1/2" (13mm)	2" (50mm)
				3/4" (20mm)	3/4" (20mm)
		12HD	14	3/4" (20mm)	1 1/2" (40mm)
				3/4" (20mm)	2" (50mm)
				1" (25mm)	1 1/2" (40mm)
		14	14	1" (25mm)	2" (50mm)
				1" (25mm)	2" (50mm)

TO MAINTAIN THEIR SPEED RATING, PASSENGER TIRES CARRYING A SPEED RATING OF H, V, W, Y & Z SHOULD ONLY BE REPAIRED IN THE CROWN (T-T) AREA WITH A MAXIMUM SIZE OF 1/4" (6mm).

## CENTECH RADIAL AG TIRE REPAIR CHART

CROWN AREA BEGINS 1 1/2" (40mm) IN FROM TREAD EDGE

Sidewall Injury	Shoulder Injury Diameter	Crown Injury Diameter	Tractor Sizes		
			8-11 8.3-12.4	12-15 13.6-23.5	24.5-30.5 440/65-600/65 620/75-1050/50
			3/8" (10mm)	12	20
				12	20
			3/8" (10mm)	20	22
				26	26
				20	22
			3/4" (20mm)	20	22
				20	22
				22	80
			3/4" (20mm)	22	80
				22	80
			1 1/2" (40mm)	80	82
				80	82
			2 3/4" (70mm)	80	84
				80	84
			2" (50mm)	82	84
				80	82
			2 1/2" (65mm)	82	84
				82	84
			2 1/2" (65mm)	82	84
				80	82
			2 3/4" (70mm)	80	82
				80	82
			2 3/4" (70mm)	86	86
				84	86
			3 1/4" (80mm)	82	84
				84	86
			3 1/4" (80mm)	88	90
				84	86
			3 1/2" (90mm)	84	86
				88	88
			4" (100mm)	84	86
				86	88
			4" (100mm)	86	88
				88	88
			5" (125mm)	86	88
				88	90
			5" (125mm)	88	90
				88	90
			5 1/2" (140mm)	88	90
				88	90
			6" (150mm)	88	90
				88	90
			8" (200mm)	88	90
				88	90

NOTE: THIS SECTION REPAIR CHART IS A GUIDELINE ONLY. LOAD, SPEED AND HIGHWAY APPLICATION CAN AFFECT THE LIMITATIONS OF SECTION REPAIRS.

## CENTECH RADIAL TRUCK TIRE REPAIR CHART

CROWN AREA BEGINS 1 1/2" (40mm) IN FROM TREAD EDGE



Sidewall Injury	Shoulder Injury Diameter (S-T Area)	Crown Injury Diameter (T-T Area)	Tube-Type Tire Sizes			Tubeless Tire Sizes		
			Light Truck Through Load Range E	Truck Tire Sizes		Light Truck Through Load Range E	Truck Tire Sizes	
				6.50-12.50	7.50-10.00		11.00-14.00	6.50-12.50
			LT 215-285	8-11 235/80-275/80 225/75-295/75	12-16.5 295/80-315/80 305/75-445/65 425/50-495/45	10 or 111	10HD or 111	10HD or 111
1/4" (6mm)	1/4" (6mm)	1/4" (6mm)	22	24	26	12 or 111	12HD or 111	12HD or 111
5/16" (8mm)	5/16" (8mm)	5/16" (8mm)	22	24	26	20 or 112	20 or 112	20 or 112
1 Cable	1 1/2" (40mm)	3 1/8" (80mm)	22	24	24	20	24	24
1 Cable	4 3/4" (120mm)	6" (150mm)	24	24	26	20	24	24
2 Cables	3/4" (20mm)	1 1/2" (40mm)	20	20	24	20	24	24
2 Cables	2 3/8" (60mm)	5 1/8" (130mm)	22	24	26	20	24	26
3/8" (10mm)	1 1/2" (40mm)	3/8" (10mm)	20	26	40	20	26	40
3/8" (10mm)	2 3/8" (60mm)	3/8" (10mm)	26	40	42	26	40	44
3/8" (10mm)	5 1/8" (130mm)	3/8" (10mm)	24	26	26	24	26	26
1/2" (13mm)	1 1/2" (40mm)	1/2" (13mm)	22	33 or 40	33 or 40	22	33 or 40	33 or 40
1/2" (13mm)	2 3/4" (70mm)	1/2" (13mm)	22	40	42	22	40	42
1/2" (13mm)	3 3/4" (95mm)	1/2" (13mm)	40	42	42	40	42	44
1/2" (13mm)	5 1/8" (130mm)	1/2" (13mm)	40	40	40	40	40	40
3/4" (20mm)	1" (25mm)	3/4" (20mm)	22	33 or 40	35 or 42	22	33 or 40	35 or 42
3/4" (20mm)	2 1/2" (65mm)	3/4" (20mm)	24	42	42	24	42	42
3/4" (20mm)	4 3/8" (110mm)	3/4" (20mm)	44	44	44	44	44	44
3/4" (20mm)	5 1/8" (130mm)	3/4" (20mm)	40	42	42	40	42	42
1" (25mm)	2" (50mm)	1" (25mm)	33 or 40	35 or 42	37 or 44	40	42	44
1" (25mm)	3 1/4" (80mm)	1" (25mm)	42	42	44	42	42	44
1" (25mm)	4" (100mm)	1" (25mm)	44	44	44	44	44	44
1 1/4" (32mm)	2" (50mm)	1 1/4" (32mm)	35 or 42	37 or 44	37 or 44	44	42	44
1 1/4" (32mm)	3 1/8" (80mm)	1 1/4" (32mm)	44	44	44	44	44	44
1 1/4" (32mm)	4" (100mm)	1 1/4" (32mm)	44	44	46	44	44	46

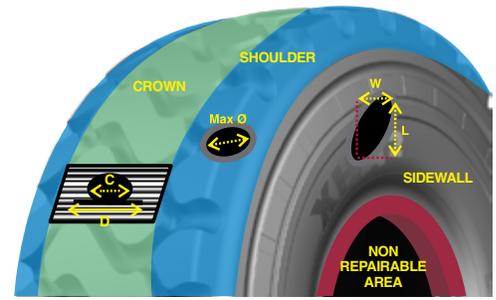
NOTE: THIS SECTION REPAIR CHART IS A GUIDELINE ONLY. LOAD, SPEED AND HIGHWAY APPLICATION CAN AFFECT THE LIMITATIONS OF SECTION REPAIRS.

Repair Unit	REPAIR UNIT DIMENSIONS	
	Inches	Millimeters
CT10	1.75 X 3	45 X 75
CT10HD	2.5 X 3.25	65 X 80
CT12	2.38 X 4.38	60 X 110
CT12HD	2.75 X 4.6	70 X 115
CT20	3 X 5	75 X 125
CT22	3 X 6.5	75 X 165
CT24	3 X 8.5	75 X 215
CT26	3 X 10	75 X 250
CT33	4 X 5	100 X 125
CT35	5 X 6	125 X 150
CT37	5 X 6.75	125 X 170
CT40	4 X 8	100 X 200
CT42	5 X 10	125 X 250
CT44	5 X 13	125 X 330
CT46	5.5 X 16	140 X 405

REPAIR UNITS SHOWN [BOXED IN GREEN] ARE LIMITED TO THE CROWN (T-T) AREA ONLY.

# TECH Radial OTR Repair Chart

## Centech Chemical, Cloth Backed & Thermacure Repairs



Sidewall Injury		Shoulder Injury	Crown Injury	Earthmover Tire Sizes				
				Inner liner removed on all severe service tires				
Width inches (mm)	Length inches (mm)	Diameter inches (mm)	C= Hole Diameter D= Additional inside radial ply length inches (mm)	14.00 - 16.00 15.5 - 20.5 385/95-445/95	18.00-21.00 23.5-26.5* 25/65-30/65 505/85-775/65 *1-2 STAR	24.00-27.00 26.5*-33.5 35/65 800/65-875/65 *3-4 STAR	30.00-37.00 37.25-37.50 40.5/75 40/65-45/65	40.00-45.00 48/95-50/90 55/80-60/80 50/65-65/65 46/50-59/50
			3/8 (10)	42	42	42	CT42A	CT44A
3/8 (10)	3 (75)			42	42	42	CT42A	CT46A
3/8 (10)	4 3/8 (110)			42	42	44	CT44A	CT46A
			C=3/4 (20) D=1 3/4 (45)	CT45A or CT46A	CT45A or CT46A	CT45A or CT52A	CT45A or CT52A	CT45A or CT52A
3/4 (20)	2 (50)			CT42A	CT42A	CT44A	CT44A	CT56A
3/4 (20)	5 1/2 (140)			CT46A	CT46A	CT50A	CT52A	CT56A
3/4 (20)	8 (200)			CT46A	CT50A	CT50A	CT52A	CT56A
		3/4 (20)		CT46A	CT46A	CT50A	CT52A	CT64A
			C=1 (25) D=1 1/2 (40)	CT45A or CT46A	CT45A or CT46A	CT45A or CT46A	CT45A or CT52A	CT55A or CT52A
1 (25)	5 (125)			CT46A	CT46A	CT50A	CT50A	CT58A
1 (25)	10 (250)			CT50A	CT50A	CT50A	CT52A	CT58A
		1 (25)		CT46A	CT46A	CT52A	CT52A	CT64A
1 1/4 (30mm)	10 (250)			CT50A	CT50A	CT52A	CT52A	CT58A
			C= 1 1/2 (40) D = 3 (75)	CT45A or CT46A	CT45A or CT50A	CT55A or CT52A	CT55A or CT58A	CT55A or CT58A
1 1/2 (40)	3 1/2 (90)			CT50A	CT50A	CT52A	CT52A	CT60A
1 1/2 (40)	10 (250)			CT50A	CT50A	CT52A	CT56A	CT60A
1 1/2 (40)	14 (350)			CT56A	CT56A	CT56A	CT56A	CT60A
1 1/2 (40)	16 (400)					CT58A	CT58A	CT60A
		1 1/2 (40)		CT50A	CT50A	CT52A	CT52A	CT64A
			C = 2 (50) D = 4 (100)	CT55A or CT50A	CT55A or CT52A	CT55A or CT52A	CT65A or CT58A	CT65A or CT58A
2 (50)	8 (204)			CT50A	CT50A	CT52A	CT52A	CT60A
2 (50)	11 (275)			CT52A	CT52A	CT52A	CT52A	CT60A
2 (50)	14 (350)					CT56A	CT56A	CT60A
2 (50)	19 (475)					CT58A	CT60A	CT64A
2 (50)	22 (560)					CT62A	CT62A	CT66A
		2 (50)		CT50A	CT50A	CT52A	CT56A	CT64A
			C = 2 1/2 (65) D = 3 3/4 (95)	CT55A or CT52A	CT55A or CT52A	CT65A or CT52A	CT65A or CT56A	CT65A or CT56A
2 1/2 (65)	8 (204)			CT52A	CT52A	CT56A	CT56A	CT64A
2 1/2 (65)	14 (350)					CT58A	CT60A	CT64A
		2 1/2 (65)		CT56A	CT56A	CT56A	CT58A	CT66A
2 3/4 (70)	8 (204)			CT52A	CT52A	CT56A	CT56A	CT64A
2 3/4 (70)	14 (355)					CT58A	CT60AX	CT66A
			C = 3 (75) D = 3 1/2 (90)	CT55A or CT52A	CT65A or CT52A	CT65A or CT56A	CT75A or CT56A	CT75A or CT56A
3 (75)	6 (152)			CT52A	CT52A	CT56A	CT58A	CT64A
3 (75)	11 (275)					CT58A	CT60A	CT64A
3 (75)	14 (355)					CT60A	CT62A	CT64A
3 (75)	16 (408)						CT64A	CT66A
3 (75)	18 (457)						CT64A	CT66A
3 (75)	20 (508)						CT64A	CT68A
		3 (75)			CT56A	CT56A	CT64A	CT66A
			C = 3 1/2 (90) D = 5 1/2 (140)	CT55A or CT52A	CT55A or CT52A	CT65A or CT52A	CT75A or CT56A	CT85A or CT56A
3 1/2 (90)	7 1/2 (190)			CT52A	CT52A	CT56A	CT62A	CT64A
3 1/2 (90)	10 (250)					CT56A	CT64A	CT66A
3 1/2 (90)	15 (380)					CT58A	CT64A	CT66A
		3 1/2 (90)			CT56A	CT60A	CT64A	CT66A
			4 (100)		CT56A	CT75A	CT75A	CT85A
4 (100)	5 (125)			CT52A	CT52A	CT58A	CT62A	CT66A
4 (100)	6 (150)				CT56A	CT58A	CT62A	CT66A
4 (100)	9 (225)				CT56A	CT58A	CT62A	CT66A
4 (100)	11 (275)					CT60A	CT64A	CT68A
4 (100)	12 1/2 (315)						CT64A	CT68A
4 (100)	14 (355)						CT64A	CT68A
		4 (100)				CT60A	CT64A	CT68A
4 3/4 (120)	6 (150)				CT56A	CT58A	CT64A	CT68A
4 3/4 (120)	8 (203)						CT64A	CT68A
4 3/4 (120)	10 (254)						CT64A	CT68A
4 3/4 (120)	12 (305)						CT64A	CT68A
			C = 5 (125) D = 7 (180)			CT85A	CT85A	CT85A
5 (125)	5 (125)					CT58A	CT64A	CT68A
5 (125)	8 (204)					CT62A	CT64A	CT68A
			C = 5 1/2 (140)				CT85A	CT85A
6 (150)	3 (75)					CT62A	CT64A	CT68A
6 (150)	5 (125)						CT64A	CT68A
6 1/2 (165)	5 (125)						CT64A	CT68A

**RADIAL OTR NON-REPAIRABLE AREA**

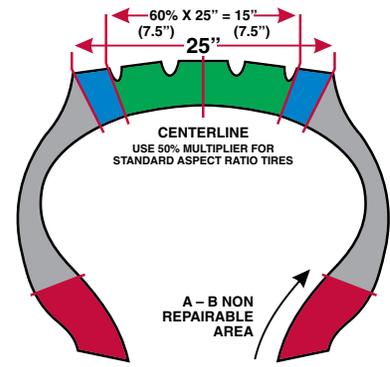
14.00 (15.5)	3", 75mm
(17.5)	4", 100mm
16.00 - 18.00 (20.5 - 23.5)	5", 125mm
21.00 - 24.00 (26.5 - 33.25)	6", 150mm
27.00 - 33.00 (30.5 - 37.5)	8", 200mm
36.00 - 40.00 (40/65 - 65/65)	12", 300mm

### DETERMINING CROWN INJURY REPAIR AREA (T-T AREA)

**Radial/OTR Crown Dimensions (T-T Area)**  
Crown is defined as 50% of tread face for standard aspect ratio tire sizes and 60% of tread face for wide base sizes. All measurements are taken on the outside surface of the tire.

**Standard Aspect Tire Size Example (24.00 R35):**  
If the tread face measures 24" (610mm) wide, 50% of that is 12" (300mm) - the crown area measurement, or 6" (150mm) on each side of the tread centerline. This is where the injury must be located to be considered as a crown area repair.

**Wide Base Tire Size Example (29.5 R29):**  
If the tread face measures 25" (635mm) wide, 60% of that is 15" (375mm) - the crown area measurement, or 7.5" (190mm) on each side of the tread centerline. This is where the injury must be located to be considered as a crown area repair.



REPAIR UNIT DIMENSIONS		
Repair Unit	Inches	Millimeters
CT45A	9 1/8 x 7.75	230 x 195
CT55A	13 x 10.25	330 x 260
CT65A	16.5 x 13	420 x 330
CT75A	20.75 x 17.75	535 x 450
CT85A	28 x 22	710 x 560
CT46A	5.5 x 16.5	140 x 420
CT50A	8.5 x 20	215 x 508
CT52A	10.5 x 25	265 x 635
CT56A	13.5 x 30.5	343 x 775
CT58A	13.5 x 32.5	343 x 825
CT60A	13.5 x 36	343 x 915
CT62A	14.5 x 40	370 x 1015
CT64A	17.5 x 48	445 x 1220
CT66A	13 x 57.5	330 x 1460
CT68A	17.5 x 57.5	445 x 1460

NOTE: THIS SECTION REPAIR CHART IS A GUIDELINE ONLY. LOAD, SPEED AND HIGHWAY APPLICATION CAN AFFECT THE LIMITATIONS OF SECTION REPAIRS.

CROWN REPAIRS SHOWN **BOXED IN GREEN** ARE LIMITED TO THE CROWN (T-T) AREA ONLY.

# BP

## Bias Repair Chart



**A-B NON-REPAIRABLE AREA**

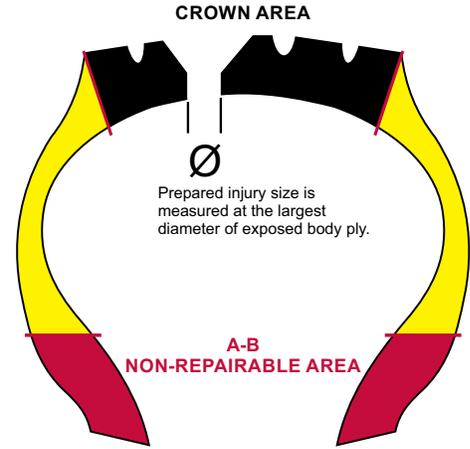
7.00-8.75	3 1/4", 80mm
9.00-14.00	4", 100mm
16.00-18.00	5", 125mm
21.00-27.00	6", 150mm

The above dimensions are guidelines only.

**TRACTOR A-B NON-REPAIRABLE AREA**

Section Width	A-B Dimension
14.9-20.8 (215-520)	4", 100mm
23.1 & Larger (600 & Larger)	5", 125mm

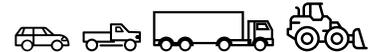
The above dimensions are guidelines only.



**CHART INSTRUCTIONS:** For proper repair unit selection, determine the size of the injury in the tire by measuring largest cord area removed. Locate the correct injury size along the top row of the chart. Now locate the tire's ply rating (load range) along the left column of the same chart. The repair unit number shown in the box where these intersect is the correct repair unit to use.

NOTE: THIS SECTION REPAIR CHART IS ONLY A GUIDELINE. LOAD, SPEED AND APPLICATION OF THE TIRE CAN AFFECT THE LIMITATIONS OF SECTION REPAIRS.

**CAR, TRUCK AND EARTHMOVER**  
**SIZE OF INJURY – TREAD, SHOULDER AND SIDEWALL**



PLY RATING (LOAD RANGE)	mm	3	6	10	13	20	25	40	50	65	75	100	125	150
	inches	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"
4 (B)	MP-0	MP-0	MP-1	MP-2	BP-3	BP-3	BP-4	BP-5	BP-6					
6 (C)	MP-0	MP-0	MP-1	MP-2	BP-3	BP-3	BP-4	BP-5	BP-6					
8 (D)	MP-0	MP-0	MP-2	BP-3	BP-3	BP-4	BP-4	BP-5	BP-6					
10 (E)	MP-0	MP-1	MP-2	BP-3	BP-3	BP-4	BP-5	BP-6	BP-6	BP-7	BP-8			
12 (F)	MP-0	MP-1	MP-2	BP-4	BP-4	BP-4	BP-5	BP-6	BP-6	BP-7	BP-8			
14 (G)	MP-0	MP-1	BP-3	BP-4	BP-4	BP-5	BP-6	BP-6	BP-7	BP-7	BP-8	BP-10		
16 (H)	MP-0	MP-1	BP-4	BP-4	BP-5	BP-5	BP-6	BP-6	BP-7	BP-7	BP-8	BP-10		
18 (J)	MP-0	MP-1	BP-4	BP-5	BP-5	BP-6	BP-6	BP-7	BP-8	BP-8	BP-9	BP-10		
20 (L)	MP-0	MP-1	BP-4	BP-5	BP-5	BP-6	BP-7	BP-8	BP-8	BP-9	BP-9	BP-10		
22 (M)	MP-0	MP-1	BP-4	BP-6	BP-6	BP-7	BP-8	BP-8	BP-8	BP-9	BP-10			

**FARM, TRACTOR, SKIDDER**  
**SIZE OF INJURY – TREAD, SHOULDER AND SIDEWALL**



PLY RATING (LOAD RANGE)	mm	3	6	10	13	20	25	40	50	65	75	100	125	150	175	200	225	250
	inches	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	7"	8"	9"	10"
4 (B)	MP-0	MP-0	MP-1	MP-2	BP-3	BP-3	BP-4	BP-5	BPT-0	BPT-0	BPT-1	BPT-2	BPT-2	BPT-3	BPT-3			
6 (C)	MP-0	MP-0	MP-1	MP-2	BP-3	BP-3	BP-4	BP-5	BPT-0	BPT-0	BPT-1	BPT-2	BPT-2	BPT-3	BPT-3			
8 (D)	MP-0	MP-1	MP-2	MP-2	BP-3	BP-4	BP-4	BP-5	BPT-0	BPT-0	BPT-1	BPT-2	BPT-2	BPT-3	BPT-3	BPT-6	BPT-7	
10 (E)	MP-0	MP-1	MP-2	BP-3	BP-3	BP-4	BP-5	BP-6	BPT-1	BPT-1	BPT-4	BPT-5	BPT-5	BPT-6	BPT-6	BPT-7	BPT-7	
12 (F)	MP-0	MP-1	MP-2	BP-4	BP-4	BP-4	BP-5	BP-6	BPT-4	BPT-4	BPT-4	BPT-5	BPT-5	BPT-6	BPT-7	BPT-7	BPT-7	
14 (G)	MP-0	MP-1	BP-4	BP-4	BP-4	BP-5	BP-6	BP-6	BPT-4	BPT-5	BPT-5	BPT-5	BPT-6	BPT-7	BPT-7	BPT-7	*	
16 (H)	MP-0	MP-1	BP-4	BP-4	BP-5	BP-5	BP-6	BP-6	BPT-5	BPT-5	BPT-5	BPT-6	BPT-6	BPT-7	BPT-7	*	*	*
18 (J)	MP-1	MP-2	BP-4	BP-5	BP-5	BP-6	BP-6	BP-7	BPT-5	BPT-5	BPT-6	BPT-6	BPT-7	*	*	*	*	*

\* FOR INJURIES LARGER THAN INDICATED ON THIS CHART OR FOR TIRES WITH PLY RATINGS HIGHER THAN 18, REFER TO THE BIAS SKIDDER REPAIR CHART.

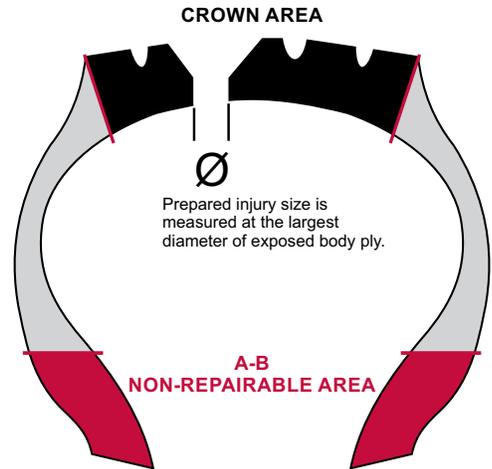
**\*REINFORCEMENT REPAIRS**  
**SIZE OF INJURY – TREAD, SHOULDER AND SIDEWALL**



PLY RATING (LOAD RANGE)	mm	6	10	13	20	25	40	50	65	75	100	125	150
	inches	1/4"	3/8"	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"
8-12 (D-F)	MP-0	MP-1	MP-2	BP-3	BP-3	BP-4	BP-4	BP-5	BP-6	BP-7	BP-8		
14-18 (G-J)	MP-0	MP-1	MP-2	BP-4	BP-4	BP-5	BP-5	BP-6	BP-6	BP-7	BP-8		
20-22 (L-N)	MP-0	MP-2	BP-4	BP-5	BP-5	BP-6	BP-6	BP-7	BP-7	BP-8	BP-9		

\* INJURIES THROUGH 25%, BUT LESS THAN 75% OF THE BODY PLYS REQUIRE BOTH HOLE FILLING MATERIAL AND REINFORCED REPAIR UNIT TO BE INSTALLED INSIDE THE TIRE.

# TECH Off Road (TOR) & Bias Skidder Repair Chart



**CHART INSTRUCTIONS:** For proper repair unit selection, determine the size of the injury in the tire by measuring largest cord area removed. Locate the correct injury size along the top row of the chart. Now locate the tire's ply rating (load range) along the left column of the same chart. The repair unit number shown in the box where these intersect is the correct repair unit to use.

NOTE: THIS SECTION REPAIR CHART IS ONLY A GUIDELINE. LOAD, SPEED AND APPLICATION OF THE TIRE CAN AFFECT THE LIMITATIONS OF SECTION REPAIRS.

## BIAS SKIDDER TIRE (SK) REPAIR CHART

### PREPARED INJURY SIZE

PLY RATING (LOAD RANGE)	Inches mm	4" 100	5" 125	6" 150	7" 175	8" 200	9" 225	10" 250	11" 275	12" 300
	10-12	12	12	12	16	16	20	20	24	24
14-16	12	12	16	20	20	20	24	24	24	24
18-20	12	16	20	20	20	24	24	24	24	24
22-24	16	20	20	24	24	24	24	TOR9*	TOR9*	
26-28	TOR5	TOR6	TOR7	TOR7	TOR8	TOR8	TOR9	TOR9*	TOR10*	

FOR 6 TO 8 PLY RATED TIRES AND INJURIES SMALLER THAN SHOWN ON THIS CHART, REFER TO BPT CHART.  
\*CROWN AREA INJURIES ONLY.

### SKIDDER A-B NON-REPAIRABLE AREA

Section Width	Dimension
14.9-20.8	4", 100mm
23.1 & larger	5", 125mm

### OTR A-B NON-REPAIRABLE AREA

Section Width	Dimension
14.00 & smaller (15.5-17.5)	4", 100mm
16.00-18.00 (20.5-23.5)	5", 125mm
21.00-24.00 (26.5-33.25)	6", 150mm
27.00-33.00 (33.5-37.5)	8", 200mm
40/65-65/65	10", 250mm
36.00-40.00	12", 300mm

## BIAS OTR TIRE (TOR) REPAIR CHART

### PREPARED INJURY SIZE

### CROWN INJURIES ONLY

PLY RATING (LOAD RANGE)	Inches mm	1/2" 13	1" 25	1 1/2" 40	2" 50	2 1/2" 65	3" 75	4" 100	5" 125	6" 150	7" 175	8" 200	9" 225	10" 250	11" 275	12" 300
	6-8	1	2	2	2	2	3									
10-12	1	2	2	2	2	3	4									
14-16	1	2	2	3	3	4	4	4	5							
18-20	2	2	2	3	3	4	4	5	5	6						
22-24	2	2	2	3	3	4	5	5	6	7	7	8				
26-28	2	2	3	3	4	5	5	6	7	7	8	8	9	9	10	10
30-36	2	2	3	3	4	5	6	6	7	8	9	9	9	10	10	10
38-44	2	2	3	3	4	6	6	7	8	8	9	9	10	10	10	10
46-50	2	3	4	4	5	6	7	8	8	9	10	10	11	11	11	11
52-58	3	3	4	4	5	6	7	8	8	10	10	11	11	11	11	11
60+	3	4	5	5	6	7	8	8	9	10	11	11	11	11	11	11

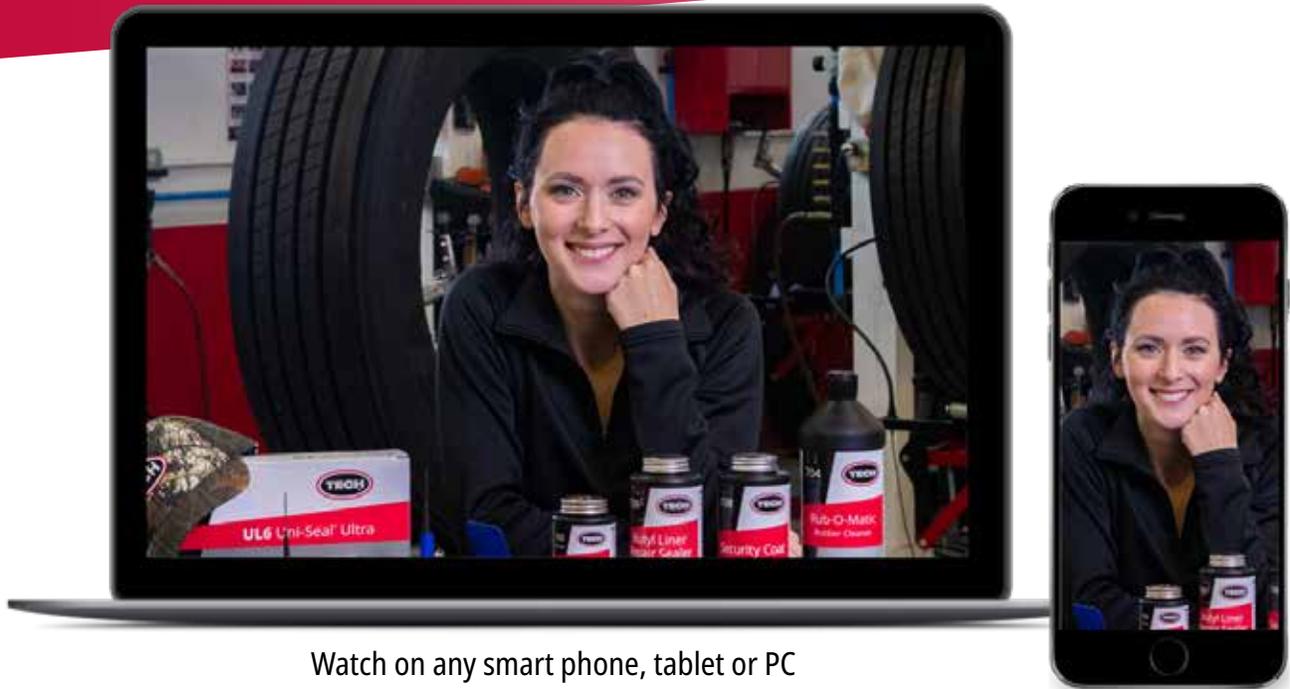
# Product Index

Item Number	Page				
09.....	18	216TK.....	23	621.....	12
10.....	18	220.....	22	622.....	12
11.....	18	222.....	22	623.....	12
12.....	18	224.....	22	624.....	12
13.....	18	226.....	22	625.....	12
14.....	18	249UL.....	4	626.....	12
15.....	18	250-1UL.....	6	627.....	12
16.....	18	250UL.....	4	672.....	19
17.....	18	250UL/24.....	4	704.....	32
18.....	18	251-1UL.....	6	704-5G.....	32
19.....	18	251UL.....	4	704-55G.....	32
20.....	18	251UL/24.....	4	704A.....	32
111.....	7	252.....	5	704G.....	32
111R.....	10	252-1.....	6	705C.....	32
112.....	7	253.....	5	705C-5G.....	32
112R.....	10	253-1.....	6	706-1.....	32
115.....	7	254-1.....	6	720.....	30
116.....	7	269.....	37	720-5G.....	30
164.....	8	270.....	37	720-55G.....	30
164R.....	10	270P.....	37	721.....	30
165.....	8	271.....	37	722.....	30
166.....	8	271/38.....	37	723.....	30
166R.....	10	271P.....	37	730.....	33
167.....	8	272.....	37	730C.....	33
169.....	8	273.....	37	731.....	33
170.....	8	280.....	37	732.....	33
170R.....	10	282.....	37	732C.....	33
172.....	8	283.....	37	734.....	31
172R.....	10	284.....	37	734-5G.....	31
174.....	8	284C.....	37	734-55G.....	31
174R.....	10	286.....	37	734Q.....	31
176.....	8	290UL.....	4	735.....	31
177.....	9	291-1UL.....	6	738.....	32
177R.....	10	291UL.....	4	738G.....	32
178.....	9	292UL.....	4	739.....	32
178R.....	10	418-08907.....	33	743.....	33
179.....	9	418-08910.....	33	743SP.....	33
179R.....	10	600.....	7	751.....	33
180.....	9	601.....	7	751-5G.....	33
180R.....	10	602.....	7	751-55G.....	33
182.....	9	603.....	12	753.....	33
182R.....	10	603R.....	13	760.....	28
184.....	9	604.....	12	761.....	28
184R.....	10	604R.....	13	762.....	28
196.....	9	605.....	12	765.....	28
197.....	9	605R.....	13	766.....	28
198.....	9	606.....	12	767.....	28
199.....	9	606R.....	13	768.....	28
200A.....	9	607.....	12	770.....	28
201A.....	9	607R.....	13	775.....	28
204.....	21	608.....	12	776.....	28
206.....	21	608R.....	13	777.....	28
211.....	21	609.....	12	783.....	30
212.....	21	609R.....	13	783-5E.....	30
215PK.....	23	610.....	12	784.....	30
		620.....	12	784LP.....	30
				807.....	36
				828.....	48
				848BX.....	17
				849BX.....	16
				0850-20.....	47
				850BX.....	16
				854BX.....	17
				855BX.....	16
				857A.....	17
				857B.....	17
				858.....	17
				859.....	17
				861BX.....	16
				862BX.....	16
				863BX.....	16
				864BX.....	16
				865BX.....	16
				866BX.....	16
				867BX.....	16
				868BX.....	16
				869BX.....	16
				870BX.....	16
				880.....	24
				896.....	25
				896NHTK.....	24
				898.....	25
				900.....	34
				903.....	34
				905.....	34
				910.....	34
				913.....	36
				915.....	34
				916.....	34
				918.....	34
				919.....	34
				920.....	21, 34
				921.....	21, 34
				923.....	21, 34
				925.....	34
				925E.....	34
				925T.....	34
				926.....	34
				927.....	34
				928B.....	34
				931.....	36
				933.....	34
				935.....	34
				936.....	34
				938.....	34
				939.....	34
				940.....	36
				941.....	36
				942.....	36
				946W.....	35
				946Y.....	35
				947W.....	35

# Product Index

947Y.....	35	GH200BX.....	17	S897.....	42	SK20R.....	13
948.....	35	GH218BX.....	17	S898.....	42	SK24R.....	13
948Y.....	35	IM-10005.....	31	S946.....	40	SLP6550.....	44
949.....	35	LRRS.....	20	S947.....	40	SP204/16.....	43
950.....	35	M12.....	46	S999.....	45	SP208/16.....	43
950W.....	35	OLVRH114.....	39	S1009.....	41	SP208/36.....	43
951.....	35	OLVRH116.....	39	S1010C.....	44	SS10.....	36
951Y.....	35	RH100.....	39	S1010K.....	44	T100CCA.....	27
963.....	30	RH102.....	38	S1011.....	41	T100CCC.....	27
964.....	30	RH104.....	38	S1011-1.....	41	TBP8.....	30
968LB.....	29	RH107.....	38	S1032AC.....	44	TBP25.....	30
968RLB.....	29	RH109.....	38	S1035.....	44	TECH100.....	26
969.....	33	RH111.....	38	S1036.....	44	TECH966.....	36
971.....	30	RH112.....	39	S1037.....	44	TECH974.....	36
973.....	36	RH114X.....	39	S1039.....	44	TECH30515.....	36
975.....	32	RH116X.....	39	S1040.....	45	TECHRSB3.....	42
1082.....	29	RH118-3/8.....	39	S1041.....	45	TECHRSB3E.....	42
1082-5G.....	29	RH120.....	39	S1041/38.....	45	TECHS890.....	42
1082-55G.....	29	RH120X.....	39	S1043.....	45	TECHS891.....	42
1082G.....	29	RH122.....	39	S1044.....	45	TECHS892.....	42
2409-22.....	46	RH122X.....	39	S1045.....	44	TECHS893.....	42
2446-21XC.....	47	RH140.....	38	S1046.....	45	TECHS894.....	42
2485-22.....	47	RH150.....	39	S1046D.....	42, 45	TECHS896.....	42
2554-22.....	47	RH151.....	39	S1047.....	45	TMRCW1-50.....	43
2567-22.....	47	RH152.....	39	S1047XL.....	45	TMRCW5-50.....	43
6213.....	19	RH154.....	39	S1048.....	43	TMRCW10-50.....	43
6214.....	19	RH156.....	39	S1049.....	43	TMRCW15-50.....	43
6218.....	19	RH300.....	40	S2000.....	41	TMSM.....	20
6230.....	19	RH302.....	40	S2001.....	41	TMSMWCC.....	20
96010.....	35	RH304.....	40	S2002.....	41	TOR1R.....	15
AC-6400.....	44, 47	RH306.....	40	S2003.....	41	TOR2R.....	15
AC-6403.....	44, 47	RH308.....	40	S2004.....	41	TOR3R.....	15
BN18.....	17	RH310.....	40	S2005.....	41	TOR4R.....	15
BT18.....	17	RH312.....	40	S2006.....	41	TOR5R.....	15
BTLG-125/10#BX.....	17	RH314.....	40	S2007.....	41	TOR6R.....	15
CP871.....	44	RH601.....	40	S2008.....	41	TOR7R.....	15
CP871K.....	44	RH603.....	40	S2009.....	41	TOR8R.....	15
CP873.....	44	RH605.....	40	S2010.....	41	TOR9R.....	15
CP873K.....	44	RH611.....	40	S2011.....	41	TOR10R.....	15
CP9288C.....	45	RH613.....	40	S2020.....	41	TOR11R.....	15
CT45AR.....	14	RH619.....	40	S2020-104.....	43	TPL11.....	33
CT46A.....	14	RH635.....	40	S2021.....	41	TPTS5.....	31
CT50A.....	14	RH1160XV.....	40	S2022.....	41	TPTS32.....	31
CT52A.....	14	RM-1.....	48	S2023.....	41	TPTS55.....	31
CT55AR.....	14	RM-4.....	48	S2032.....	41	TPTS275.....	31
CT56A.....	14	RM-5.....	48	S2040.....	43	TRRS.....	20
CT58A.....	14	RM-8.....	48	S2042.....	43	TRT105.....	35
CT60A.....	14	RM-OTR.....	48	S2043.....	43	VH591.....	19
CT62A.....	14	RSR-26.....	10	S2045.....	43	VH592.....	19
CT64A.....	14	S870.....	42	S2046.....	43		
CT65AR.....	14	S872.....	42	S2047.....	43		
CT66A.....	14	S872S.....	42	S2204.....	41		
CT68A.....	14	S873.....	42	SAL260685-110V.....	20		
CT75AR.....	14	S874.....	42	SIP.....	35		
CT85AR.....	14	S875.....	42	SK12R.....	13		
GH100BX.....	17	S879.....	42	SK16R.....	13		

# TECH University Online Training Courses



Watch on any smart phone, tablet or PC

## Tire Repair & Wheel Service Training 24/7 – 365!

### Your all-access pass to our library of Tire Repair Training Courses

TECH's vibrant spokesperson, Izzy, delivers quick, engaging training modules to facilitate easy learning. These professional-shot and edited training videos provide the ultimate training resource for your whole shop.

- Learn proper tire repair procedures
- Technicians can refer to the course and videos if needed to help them complete the repair while on the job
- Helps eliminate improperly installed repairs
- Technicians gain confidence and appreciate you investing in them
- Protects you and your business from unfounded customer complaints

### New Courses Added Regularly

We're continually updating and adding to our library of courses. Learn at your own pace – anywhere! We've made it easy to log on from any computer, smart phone or tablet.

#### Just some of the topics you can learn:

- 1-Piece Puncture Repair for Passenger and Light Truck
- 2-Piece Puncture Repair for Passenger and Light Truck
- Sound Suppression Tire Repair
- Proper Inner-Liner Tire Buffing Techniques
- Commercial Tire Section Repair
- Much, much more.

*Find out more at  
[techtirerepairs.com](http://techtirerepairs.com)*



Learn More

**TRY It FREE For 12-Months**

No Credit Card Required  
No Obligation, Cancel Anytime

# TECH In-Person Training Courses

For those of you who prefer in-person learning, TECH's comprehensive training curriculum combines both classroom and hands-on training in our Global state-of-the-art Training Center. Training and Certification courses were developed in collaboration with major tire manufacturers and the Tire Industry Association (TIA).



## Automotive Tire Service (ATS)

- Two-day seminar designed specifically for automotive technicians with a focus on passenger tire service.
- Course includes Tire Industry Association (TIA) Basic ATS Program, as well as TIA's Advance TPMS Program.

## Commercial Tire Service Certification (CTS)

- Two-day course covering tire construction, inspection and basic repair of commercial truck tires.
- Includes both TIA CTS requirements and OSHA Regulation 29CFR Part 1910.177 for servicing single and multi-piece wheels.

## OTR Section Repair

- Training in the latest techniques used in the section repair of bias and radial off-the-road tires.
- Covers OTR tire construction, tire storage requirements and tire inspection techniques.

## Truck Section Repair

- Three-day class covers puncture and section repairs on medium truck tires.
- Covers the latest procedures for repairing inner liner blisters and self-sealing tires, and information on tire construction and inspection.

*To learn more or register for training, visit [techtirerepairs.com](http://techtirerepairs.com) and select "Training" tab, or use this QR code.*



# Follow Us on Your Favorite Social Media Channels



**Like, Follow & Subscribe to our Channels for:**

- The Latest TECH News
- Product Tips
- Training Videos
- New Product Announcements
- Special Offers and More



[techtirerepairs.com](http://techtirerepairs.com)

