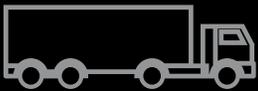


# TIRE REPAIR CATALOGUE



## The Tire & Wheel Authority Technicians Trust

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



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



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.



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**World Class customer Service ...  
Yet another reason TECH is the  
Global Tire & Wheel Authority!**

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## TECH Tire Repair System



TECH has over 80 years of experience, expertise and innovation in developing proper and permanent tire repair products.

TECH tire repairs and chemicals are engineered and manufactured to work with each other. Supplementing another product other than TECH product will result in a compromised and potentially unsafe repair.

Look for this  TECH Tire Repair System icon throughout our catalog that identifies the repairs and chemicals which are components of TECH's proprietary repair system.

# OUR EXPERTISE

Because our customers deliver the best in their industries, they expect the best from us. With products for heavy truck, off-the-road, agriculture, passenger and light truck, we have the high-quality tire and wheel repair products the experts trust.



## OUR HISTORY

For eight decades, we've manufactured rubber and industrial material solutions, solidified under our family-owned values. Our founder, Charles Cornell, with the invention of the cold vulcanization process, revolutionized the tire repair industry and built the foundation to grow a global organization through four generations of family ownership and leadership.

## OUR VISION

Supporting the entire lifecycle of rubber, our vision is to create and extract value from materials that were formerly considered to be at the end of their useful life.

- **Repair**
- **Reuse**
- **Recycle**
- **Repurpose**

## OUR PROMISE

By empowering our customer partnerships with a complete range of proven tire and wheel service solutions, we have become the tire and wheel authority that's trusted by top technicians across the globe. Tech products have repaired billions of tires, with every repair guaranteed for the life of the tire.

## THE WORK WE DO

We are one of two U.S. companies that has been awarded the United States Presidential E-Star Award twice. We have also been recognized for the EY Entrepreneur of the Year Award; we won this award in 1993 and were a finalist in 2017.



## OUR REACH

### Global Manufacturing, Testing and 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



# Tire Repair Materials

TECH tire repairs embody over 80 years of innovation, refinement, enhanced tire longevity, customer confidence and safety. With billions of tire repairs installed globally, TECH tire repairs last the life of the tire as well as meet all global published government and industry standards for proper tire repair. TECH produced tire repairs are endorsed and are used by the world's largest tire manufacturers/retreaders and their subsidiaries. TECH offers a complete range of tire and tube repairs for every repair process from bicycle to Off-the-Road.

## TECH Uni-Seal Ultra Repairs

- Gray cushion gum on the cap 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.

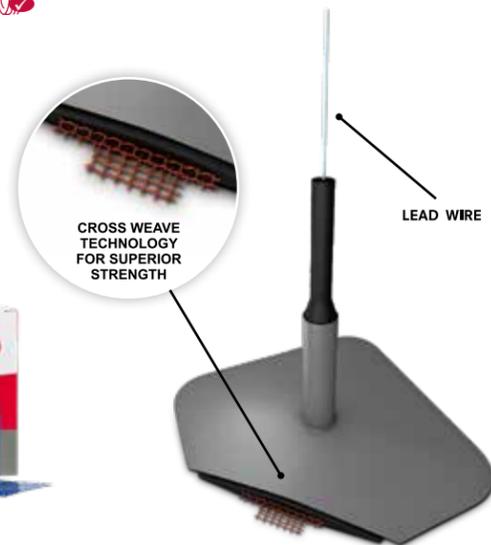


Item No.	Description	Prepared Injury Size mm / in.	Box Qty.				
249UL	UL3 UNI-SEAL ULTRA	3mm / 1/8"	24	•	•		
250UL	UL6 UNI-SEAL ULTRA	6mm / 1/4"	14	•	•	•	
250UL/24*	UL6 UNI-SEAL ULTRA	6mm / 1/4"	24	•	•	•	
251UL	UL8 UNI-SEAL ULTRA	8mm / 5/16"	14	•	•	•	
251UL/24*	UL8 UNI-SEAL ULTRA	8mm / 5/16"	24	•	•	•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

\*Item not shown

## TECH Uni-Seal Ultra Max Repairs

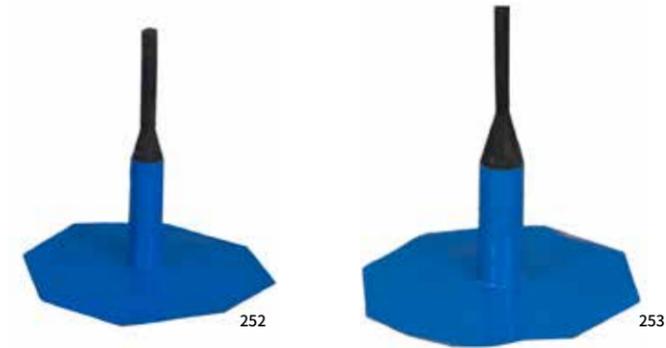
- Cross-weave fabric offers reinforcement for both radial and bias tires.
- Gray cushion gum on the cap and stem permanently bonds the repair to the tire and seals out moisture and contaminants.
- Lead wire for easy installation.



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		•	•	•

## 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.
- Lead wire for easy installation.
- Must be used in conjunction with the appropriate repair unit on the inside of the tire.



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		•	•	•

## TECH 2-Piece Large Uni-Seal Stems

- Gray cushion gum on the rubber stem to permanently seal out moisture and contaminants.
- Must be used in conjunction with the appropriate repair unit on the inside of the tire.



Item No.	Description	Prepared Injury Size mm / in.	Box Qty.			
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		•	•

## 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.



Item No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.			
600	MP-0 MULTI-PURPOSE REPAIR	60	2 1/4	25	•	•	•
600T	MP-0 MULTI-PURPOSE REPAIR	60	2 1/4	80	•	•	•
601	MP-1 MULTI-PURPOSE REPAIR	75	3	20	•	•	•
602	MP-2 MULTI-PURPOSE REPAIR	90	3 1/2	10		•	•

\*For injury size please refer to the appropriate repair chart located on page 128.

## TECH Radial Center-Over-Injury Centech 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.



Item No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.				
165	CT-10	45 x 75	1 3/4 x 3	20	•	•		
165T*	CT-10 in plastic tub	45 x 75	1 3/4 x 3	80	•	•		
164	CT-10HD	65 x 80	2 1/2 x 3 1/4	10	•	•	•	
166*	CT-12HD	70 x 115	2 3/4 x 4 5/8	10	•	•	•	
167*	CT-12	60 x 110	2 3/8 x 4 3/8	10	•	•	•	
167T*	CT-12 in plastic tub	60 x 110	2 3/8 x 4 3/8	40	•	•	•	
169*	CT-14	75 x 145	3 x 5 3/4	10	•	•		
170*	CT-20	75 x 125	3 x 5	10		•	•	•

\*Item not shown

## TECH Radial Centech Shoulder Repair Units



CENTECH SHOULDER REPAIR PLACEMENT



Item No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.			
172	CT-22	75 x 165	3 x 6 1/2	10	•	•	•
174	CT-24	75 x 215	3 x 8 1/2	10	•	•	•
RSR-26*	CT-26-RSR	75 x 250	3 x 10	10	•	•	•

\*Item not shown

## 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.



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 129.

## Centech Center-Over-Injury Repair Units



Item No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.				
176	CT-26 Centech Repair Units	75 x 250	3 x 10	10	•			
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.			
196	CT-80 Centech Repair Units	150 x 95	4 x 7 <sup>3</sup> / <sub>4</sub>	5			•
197	CT-82 Centech Repair Units	190 x 250	7 <sup>1</sup> / <sub>2</sub> x 10	5			•
198	CT-84 Centech Repair Units	215 x 290	8 <sup>1</sup> / <sub>2</sub> x 6 <sup>3</sup> / <sub>4</sub>	5			•
199	CT-86 Centech Repair Units	245 x 340	9 <sup>3</sup> / <sub>4</sub> x 13 <sup>1</sup> / <sub>2</sub>	5			•

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

## TECH Thermacure Repair Units

- TECH Centech repairs are fabric reinforced for use in radial tires.
- 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	2 <sup>1</sup> / <sub>2</sub>	50	•	•	•
112R	MP-10R Repair Units	75	3	30		•	•
164R*	CT-10HDR Repair Units	65 x 80	2 <sup>1</sup> / <sub>2</sub> x 3 <sup>1</sup> / <sub>4</sub>	10	•	•	•
166R	CT-12HDR Repair Units	70 x 115	2 <sup>3</sup> / <sub>4</sub> x 4 <sup>5</sup> / <sub>8</sub>	10	•	•	•
170R*	CT-20R Repair Units	75 x 125	3 x 5	10	•	•	•

\*Item not shown  
Refer to Repair Applications Chart on page 129.

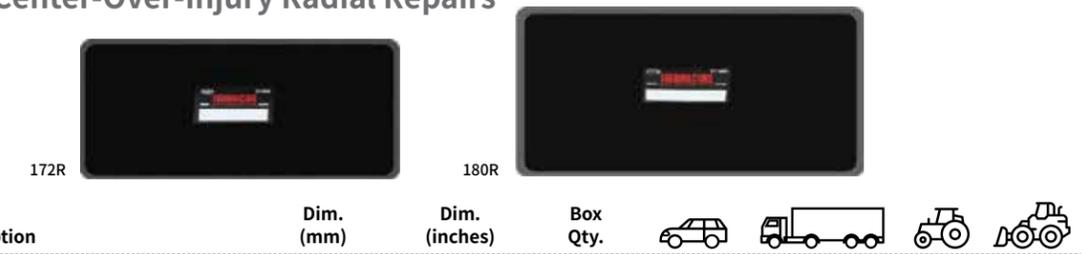
### Thermacure Crown Radial Repairs



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 6 <sup>3</sup> / <sub>4</sub>	5			•

Refer to Repair Applications Chart on page 129.

### Thermacure Center-Over-Injury Radial Repairs

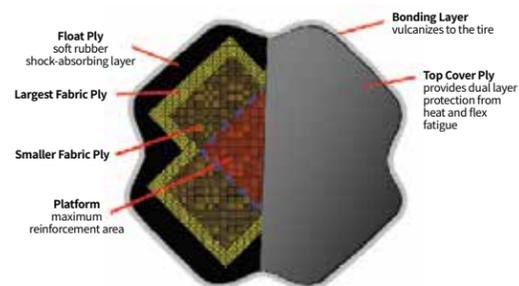


Item No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.				
172R	CT-22R Repair Units	75 x 165	3 x 6 <sup>1</sup> / <sub>2</sub>	10	•	•		•
174R*	CT-24R Repair Units	75 x 215	3 x 8 <sup>1</sup> / <sub>2</sub>	10	•	•		•
180R	CT-40R Repair Units	100 x 200	4 x 8	10	•	•		•
182R*	CT-42R Repair Units	125 x 250	5 x 10	5		•		•
184R*	CT-44R Repair Units	125 x 330	5 x 13	5		•		•
CT46AR*	Aramid Reinforced	140 x 405	5 <sup>1</sup> / <sub>2</sub> x 16	5		•		•

\*Item not shown  
Refer to Repair Applications Chart on page 129.

## 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 130.



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	•	•	•

\*Item not shown  
Refer to Repair Applications Chart on page 130.

### 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 760 Chemical Vulcanizing Fluid or 775 Heavy Duty Blue Cement.

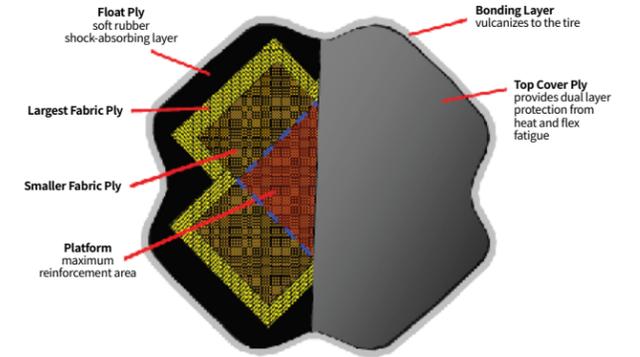


Item No.	Description	Dim. (mm)	Dim. (inches)	Plies	Box Qty.		
620	BPT-0 Bias Ply Repair Units	200	8	4	10	•	•
621	BPT-1 Bias Ply Repair Units	225	9	4	5	•	•
622*	BPT-2 Bias Ply Repair Units	275	11	4	5	•	•
623*	BPT-3 Bias Ply Repair Units	375	15	4	5	•	•
624*	BPT-4 Bias Ply Repair Units	225	9	6	5	•	•
625*	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	•	•

\*Item not shown  
Refer to Repair Applications Chart on page 130.

## TECH BP THERMACURE Bias Ply Tire Repairs

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



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	•	•	•	•

\*Item not shown  
Refer to Repair Applications Chart on page 130.

## 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 Heavy Duty Blue Cement for cold repairs or 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	•

\*Item not shown

## CENTECH Aramid Reinforced Radial OTR Repairs

- Centech Radial OTR repairs are reinforced with Aramid cord for maximum strength.
- Advanced rubber compounds provide longer performance life in the most extreme OTR tire service conditions.
- Centech Radial OTR repairs are very flexible, resulting in easy installation, minimizing the chances of trapped air as well as restoring the strength of the tire with little resistance to the tire's flex characteristics.

### Center-Over-Injury Thermacure OTR Repairs with Aramid Reinforcement

Item No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.	
CT46AR*	Thermacure Aramid OTR Repair	156 x 416	6 <sup>1</sup> / <sub>8</sub> x 16 <sup>3</sup> / <sub>8</sub>	5	•
CT50AR*	Thermacure Aramid OTR Repair	200 x 486	8 x 19 <sup>1</sup> / <sub>8</sub>	3	•
CT52AR*	Thermacure Aramid OTR Repair	250 x 570	10 x 22 <sup>1</sup> / <sub>2</sub>	3	•
CT56AR*	Thermacure Aramid OTR Repair	265 x 748	10 <sup>1</sup> / <sub>2</sub> x 29 <sup>1</sup> / <sub>2</sub>	3	•
CT60AR*	Thermacure Aramid OTR Repair	265 x 860	10 <sup>1</sup> / <sub>2</sub> x 34	3	•
CT62AR*	Thermacure Aramid OTR Repair	325 x 1030	12 <sup>1</sup> / <sub>2</sub> x 40 <sup>1</sup> / <sub>2</sub>	1	•
CT72AR*	Thermacure Aramid OTR Repair	345 x 760	13 <sup>3</sup> / <sub>4</sub> x 30	1	•

\*Item not shown

### Center-Over-Injury Cloth Back OTR Repairs with Aramid Reinforcement



Item No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.	
CT46AC*	Cloth Back Aramid OTR Repair	156 x 416	6 <sup>1</sup> / <sub>8</sub> x 16 <sup>3</sup> / <sub>8</sub>	5	•
CT50AC	Cloth Back Aramid OTR Repair	200 x 486	8 x 19 <sup>1</sup> / <sub>8</sub>	3	•
CT52AC*	Cloth Back Aramid OTR Repair	250 x 570	10 x 22 <sup>1</sup> / <sub>2</sub>	3	•
CT55AC	Cloth Back Aramid OTR Repair	330 x 260	13 x 10 <sup>1</sup> / <sub>4</sub>	3	•
CT56AC*	Cloth Back Aramid OTR Repair	265 x 748	10 <sup>1</sup> / <sub>2</sub> x 29 <sup>1</sup> / <sub>2</sub>	3	•
CT60AC*	Cloth Back Aramid OTR Repair	265 x 860	10 <sup>1</sup> / <sub>2</sub> x 34	3	•
CT62AC*	Cloth Back Aramid OTR Repair	325 x 1030	12 <sup>1</sup> / <sub>2</sub> x 40 <sup>1</sup> / <sub>2</sub>	1	•
CT72AC	Cloth Back Aramid OTR Repair	345 x 760	13 <sup>3</sup> / <sub>4</sub> x 30	1	•

\*Item not shown

Note: For heat cure application only.

## 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.

### Crown Only Thermacure OTR Repairs with Aramid Reinforcement

Centech Thermacure repairs with Aramid reinforcement are recommended when the tires are 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. In heat cure applications the repair unit may also be installed using Tech TemVulc Black Cement.

Item No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.	
CT45AR*	Thermacure Aramid OTR Crown Repair	230 x 195	9 <sup>1</sup> / <sub>8</sub> x 7 <sup>3</sup> / <sub>4</sub>	5	•
CT55AR*	Thermacure Aramid OTR Crown Repair	330 x 260	13 x 10 <sup>1</sup> / <sub>4</sub>	3	•
CT65AR*	Thermacure Aramid OTR Crown Repair	420 x 330	16 <sup>1</sup> / <sub>2</sub> x 13	3	•
CT75AR*	Thermacure Aramid OTR Crown Repair	535 x 450	20 <sup>3</sup> / <sub>4</sub> x 17 <sup>3</sup> / <sub>4</sub>	1	•
CT85AR*	Thermacure Aramid OTR Crown Repair	710 x 560	28 x 22	1	•

\*Item not shown

### Crown Only Heat Cure OTR Repairs with Aramid Reinforcement

Heat cure repairs produced with black heat cure cushion gum are recommended for all heat cure vulcanizing systems. The special heat cure gum resists over cure during section repairs requiring extended cure times. For best results use with TECH Tem-Vulc Black Cement.



Item No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.	
CT45AH	Heat Cure Aramid OTR Crown Repair	230 x 195	9 <sup>1</sup> / <sub>8</sub> x 7 <sup>3</sup> / <sub>4</sub>	5	•
CT55AH*	Heat Cure Aramid OTR Crown Repair	330 x 260	13 x 10 <sup>1</sup> / <sub>4</sub>	3	•
CT65AH	Heat Cure Aramid OTR Crown Repair	420 x 330	16 <sup>1</sup> / <sub>2</sub> x 13	3	•
CT75AH	Heat Cure Aramid OTR Crown Repair	535 x 450	20 <sup>3</sup> / <sub>4</sub> x 17 <sup>3</sup> / <sub>4</sub>	1	•
CT85AH*	Heat Cure Aramid OTR Crown Repair	710 x 560	28 x 22	1	•

\*Item not shown

Item No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.	
CT45AC	Cloth Back Aramid OTR Crown Repair	230 x 195	9 <sup>1</sup> / <sub>8</sub> x 7 <sup>3</sup> / <sub>4</sub>	5	•
CT55AC	Cloth Back Aramid OTR Crown Repair	330 x 260	13 x 10 <sup>1</sup> / <sub>4</sub>	3	•
CT65AC	Cloth Back Aramid OTR Crown Repair	420 x 330	16 <sup>1</sup> / <sub>2</sub> x 13	3	•
CT75AC	Cloth Back Aramid OTR Crown Repair	535 x 450	20 <sup>3</sup> / <sub>4</sub> x 17 <sup>3</sup> / <sub>4</sub>	1	•
CT85AC	Cloth Back Aramid OTR Crown Repair	710 x 560	28 x 22	1	•

## TECH AX Severe Service Radial OTR Repairs

- Proven design, enhanced with a large aramid reinforced platform and advanced rubber compounds to perform in the most extreme service conditions.
- The AX non-flex to non-flex design is recommended for shoulder and sidewall injuries in tires used in severe service applications.
- Recommended for all heat cure vulcanizing systems.

### AX Uncured Repairs

Uncured repairs provide excellent adhesion and appearance when vulcanized in autoclaves, section molds, or with a Monaflex system. Uncured repairs are ready to be installed or can be floated in the tire. For best results, use TECH Tem-Vulc Black Cement.



AX60U

Item No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.	
AX50U*	AX Uncured Repair	200 x 486	8 x 19 <sup>1</sup> / <sub>8</sub>	6	•
AX60U	AX Uncured Repair	215 X 610	8 <sup>1</sup> / <sub>2</sub> x 24	6	•
AX80U*	AX Uncured Repair	240 X 710	9 <sup>1</sup> / <sub>2</sub> x 28	3	•
AX100U*	AX Uncured Repair	280 X 790	11 x 31	3	•
AX120U*	AX Uncured Repair	280 X 890	11 x 35	3	•
AX140U	AX Uncured Repair	370 X 1170	14 <sup>1</sup> / <sub>2</sub> x 46	1	•

\*Item not shown

### AX Cloth Back Repairs

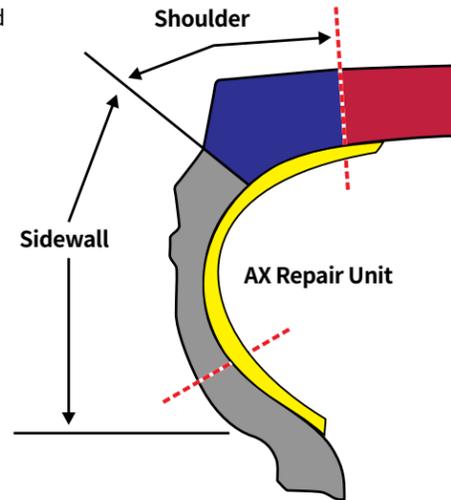
Cloth back repair units are produced on a special cloth backing material which provides optimum bonding surface texture. For best results, use with TECH TemVulc Black Cement and Vul-Gum cushion gum.



AX80C

Item No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.	
AX50C*	AX Cloth Back Repair	200 x 486	8 x 19 <sup>1</sup> / <sub>8</sub>	6	•
AX60C*	AX Cloth Back Repair	215 X 610	8 <sup>1</sup> / <sub>2</sub> x 24	6	•
AX80C	AX Cloth Back Repair	240 X 710	9 <sup>1</sup> / <sub>2</sub> x 28	3	•
AX100C*	AX Cloth Back Repair	280 X 790	11 x 31	3	•
AX120C*	AX Cloth Back Repair	280 X 890	11 x 35	3	•
AX140C*	AX Cloth Back Repair	370 X 1170	14 <sup>1</sup> / <sub>2</sub> x 46	1	•
AX155C*	AX Cloth Back Repair	250 X 1400	10 x 55	1	•

\*Item not shown



## 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

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	•

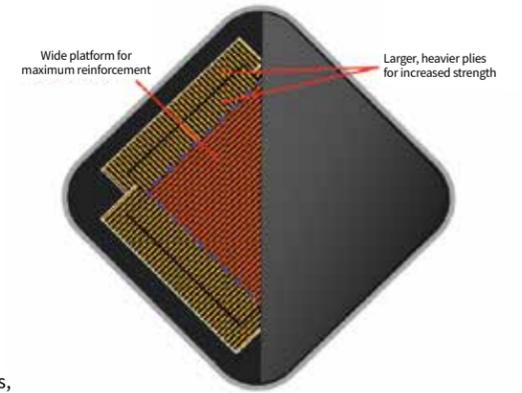
\*Item not shown

### TOR Heat Cure Repairs

Heat Cure cushion gum permanently vulcanizes to the tire in heat cure applications. In heat cure applications the repair unit should be installed using Tech Tem-Vulc Black Cement.

Item No.	Description	Diag. Dim. (mm)	Diag. Dim. (inches)	Plies	Box Qty.	
TOR1H*	TOR Heat Cure Repair	250	9 <sup>3</sup> / <sub>4</sub>	2	10	•
TOR2H*	TOR Heat Cure Repair	290	11 <sup>1</sup> / <sub>2</sub>	4	10	•
TOR3H*	TOR Heat Cure Repair	310	12 <sup>1</sup> / <sub>4</sub>	4	5	•
TOR4H	TOR Heat Cure Repair	380	15	6	5	•
TOR5H*	TOR Heat Cure Repair	475	18 <sup>3</sup> / <sub>4</sub>	6	5	•
TOR6H*	TOR Heat Cure Repair	545	21 <sup>3</sup> / <sub>8</sub>	6	3	•
TOR7H*	TOR Heat Cure Repair	615	24 <sup>1</sup> / <sub>4</sub>	8	1	•
TOR8H*	TOR Heat Cure Repair	690	27 <sup>1</sup> / <sub>4</sub>	8	1	•
TOR9H*	TOR Heat Cure Repair	760	30	10	1	•
TOR10H*	TOR Heat Cure Repair	830	32 <sup>3</sup> / <sub>4</sub>	10	1	•

\*Item not shown



TOR1R



TOR4H

## 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.

### 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
10T*	MINI ROUND TUB	35	1 <sup>3</sup> / <sub>8</sub>	200
11T*	SMALL ROUND TUB	45	1 <sup>3</sup> / <sub>4</sub>	160
12T*	MEDIUM ROUND TUB	60	2 <sup>1</sup> / <sub>4</sub>	100
13T*	LARGE ROUND TUB	80	3 <sup>1</sup> / <sub>8</sub>	75

\*Item not shown

### Oval 2-Way Tube Repairs



Cat. 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 ROUND	160 x 100	6 <sup>1</sup> / <sub>4</sub> x 4	10

\*Item not shown

## TECH All Purpose Repairs



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

\*Item not shown

### 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*	-	BRASS RIM NUT for 6218	Ea.

\*Item not shown



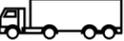
### Butyl Retread Envelope Repair System (ERS)

Item No.	Description
672	ERS-45 ENVELOPE REPAIR UNITS, 1 <sup>3</sup> / <sub>4</sub> ", 45mm diameter, 50 ct. tub

## TECH Rope Rubber

- High quality natural rubber compound provides excellent extrusion and workability with maximum adhesion to the tire.
- Outstanding wear and weather resistance.



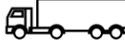
Item No.	Description	Diameter (mm/in.)	Package Qty. (lbs/kg)			
LRRS*	ROPE RUBBER for Sidewall Applications	10mm / 3/8"	15 lbs. / 6.8 kg	•	•	•
TRRS	ROPE RUBBER for Tread Applications	10mm / 3/8"	15 lbs. / 6.8 kg	•	•	•

\*Item not shown

## 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.



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	•	•	•
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	•	•	•

\*Item not shown

## 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

\*Item not shown



## TECH Butyl Gum & 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

\*Item not shown

### 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

\*Item not shown

### 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.

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	.5 / 1	1
859*	A & B Compound	.9 / 2	1

\*Item not shown



# TECH Permacure® Inside/Outside Reinforced Repairs & Repair Kits

- 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 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.

## Permacure Repairs



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 Flow-Seal® Inserts, Self-Vulcanizing Inside/Outside Repairs

- You can repair small injuries in tubeless tires fast and easy with TECH Flow-Seal Inserts.
- Unique gray cushion gum flows into the injury and completely seals the inner liner as well as broken cord and cable ends.
- 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.



Item No.	Description	Length	Box Qty.					
204	ROUND INSERTS	2", 50mm	40	•	•	•		
206	OVAL INSERTS	2", 50mm	40	•	•	•		
208	ROUND TRUCK INSERTS	3 3/4", 95mm	20				•	•
209	OVAL TRUCK INSERTS	3 3/4", 95mm	40				•	•
211	ROUND INSERTS	7 1/2", 190mm	25				•	•
212	OVAL INSERTS	9", 225mm	15				•	•
217	GIANT OVAL INSERTS	8 1/4", 210mm	10				•	•

NOTE: When applying 208 and 209 inserts, the 923 truck needle must replace 921 needle which comes in a 920 Insert-O-Matic Tool.

- 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



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

- 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

## Permacure Repair Kits

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



**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.



**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:

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



**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. 933</b> Rubber Scraper [1]                  |
| <b>No. 250UL</b> Uni-Seal Ultras [1 box]                                 | <b>No. 936</b> 1/8" (3mm) Stitcher [1]             |
| <b>No. 269</b> 1/8" (3mm) Carbide Cutter [1]                             | <b>No. 951</b> White Paint Sticks, 12 pack [1 box] |
| <b>No. 270P</b> 1/4" (6mm) Carbide Cutter [1]                            | <b>No. S923</b> Safety Glasses [1]                 |
| <b>No. TRT105</b> Injury Measuring Tool [1]                              | <b>No. TK</b> Knife [1]                            |
| <b>No. 704A</b> Rub-O-Matic aerosol [1]                                  | <b>No. RM-4</b> Repair Manual [1]                  |
| <b>No. 738</b> Security Coat [1]   | <b>No. 111TM</b> Repair Template [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. 910</b> Cement Tool [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]                                    |  |



**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]                        |  |

# Chemicals

TECH pioneered the chemical vulcanization process over 80 years ago. TECH offers a complete range of chemicals each specially designed and engineered to work with companion TECH repair units. Use of TECH chemicals ensure that all repairs are permanent and safe. TECH's complete line of chemicals are engineered and manufactured to the highest standards. TECH has a product for virtually every tire category and every type of repair.



# TECH Mounting & Demounting Chemicals

- Provide excellent lubricity to make tire mounting and demounting easier when applied to the tire bead and rim mating surfaces.
- Petroleum free with rust inhibitors to prevent rust or corrosion.
- Silicone free so they dry tacky preventing tire and rim slippage.
- TECH Tire & Tube Mounting Compound is a vegetable oil based lubricant which can be applied with a brush or mixed with water and applied with a swab.
- TECH Tire Mounting Paste is a water based lubricant that goes on with a brush eliminating spills and slip hazards in the service area.

## 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
722	TECH TIRE & TUBE MOUNTING COMPOUND, 8 lb., 3.63kg
723*	TECH TIRE & TUBE MOUNTING COMPOUND, 25 lb., 11.34kg
783	TECH TIRE MOUNTING PASTE, 8 lb., 3.7kg
783-5E*	TECH 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
735	TECH BEAD SEALER, 32 oz., 945ml can with brush
963	PLASTIC FUNNEL, each
964	SWAB, each
971	ANGLED BRUSH, each

\*Item not shown.

## Mounting Compounds

Black Lube is applied to all interior rim surfaces and to the tire beads to prevent corrosion and simplify tire mounting and demounting.

Item No.	Description
TBP25	TECH BLACK LUBE, 25 lb., 11.5kg
TBP8	TECH BLACK LUBE, 8 lb., 3.7kg

## 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

\*Item not shown.



# 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.

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.

\*Item not shown



# Other TECH Chemicals

- TECH Security Coat is a water-based formula that provides air retention to the over-buffed area after repair.
- Use TECH-CHEK to find the difficult to locate leaks.

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, 32 oz., 945ml can with brush cap	Ea.
706-1	TIRE TALC, 1 lb., .5kg	Ea.
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.

\*Item not shown

# 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 provide superior performance for tough jobs. TECH's family of shop chemicals are TECH tested and TECH approved!
- 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.
TCCC12	TECH CARB & CHOKE CLEANER, 12 oz.	Ea.
TBPC14	TECH BRAKE & PARTS CLEANER, 14 oz.	Ea.
TED18	TECH FOAMING ENGINE DEGREASER, 18 oz.	Ea.

\*Item not shown



CHEMICALS

## TECH Vulcanizing Fluids

- TECH fast-drying Chemical Vulcanizing Fluid works with both TECH gray and Thermacure cushion gums to bond tire and tube repairs in hot or cold applications.
- 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.
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	Ea.
766**	CHEMICAL VULCANIZING FLUID, 20ml tube, box of 24	Ea.
767**	CHEMICAL VULCANIZING FLUID, 10ml tube, box of 24	Ea.
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.

\*Item not shown  
 \*\*All tubes of Tech Chemical Vulcanizing Fluid come packaged in self-merchandising display cartons. Sold in full box quantities of 24 only.  
 \*\*\*For insert use only.

Item No.	Description	Box Qty.
772	ENVELOPE VULCANIZING FLUID, 8 oz., 235ml can	Ea.
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.
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.

\*Item not shown



# Service Tools & Equipment

TECH offers a complete range of tools and equipment designed for specific facets of tire and wheel service. Designed with the task and technician in mind, TECH equipment makes every job easier and faster. TECH's complete line of Shop Equipment and Tools are made to the highest quality standards in the industry to deliver years of excellent service and great value.



# 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.
910	3" CEMENT TOOL with polypropylene handle	Ea.
915	SPIRAL CEMENT TOOL	Ea.
916	GIANT SPIRAL CEMENT TOOL	Ea.
918*	DUCK BILL AWL, 4", 100mm length	Ea.
919	POINTED AWL, 8", 200mm length (screwdriver-style handle)	Ea.

\*Item not shown



## 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.

\*Item not shown



# TECH Repair Tools & Accessories

## 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

\*Item not shown

## Knives & Scissors



Item No.	Description	Box Qty.
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.

SERVICE TOOLS & EQUIPMENT

# 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.
931	WIRE BUFFER for rim/battery terminal	Ea.
TECH966	WHITEWALL CLEANING BRUSH with brass bristles	Ea.
TECH974	INNERLINER BRUSH with stainless steel bristles	Ea.
TRT105	COLOR CODED INJURY MEASURING TOOL	Ea.
TECH30515	WIRE WHEEL PREPARATION BRUSH	Ea.

# TECH Retreading Tools & Accessories

- Tech Electric Knife Heater is ideal to heat rubber cutting knives, shears and small tools that require heat for efficient operation.
- The Tire Brander allows retreaders and tire technicians to quickly and easily brand tires for proper identification.



Item No.	Description
MH26470	ELECTRIC KNIFE HEATER, 115V, 350 watt rated, max. temperature 820°F, 437°C
HN8	INSULATED HEATER KNIFE, 8", 200mm blade
1612	TIRE BRANDER, 120V. (To order characters, letters and numbers, see information below)

Characters (letters and numbers) for the Brander can be ordered by using the following examples:

**Your order: 1612A**

16 = Number for Brander  
12 = 1/2" letters or numbers  
A = 1/2" letter A

**Your order: 1614A**

16 = Number for Brander  
14 = 1/4" letters or numbers  
A = 1/4" letter A

**Your order: 16148**

16 = Number for Brander  
14 = 1/4" letters or numbers  
8 = 1/4" number 8

# TECH Carbide Cutters & Carbide Burrs

- Carbide Cutters are designed to remove damaged steel cables within injuries in radial tires.
- Diamond-Cut Burrs are a quick and efficient way to remove loose wire in radial truck and bus tires when making a section repair.

## Small Carbide Cutters for Small Passenger & Light Truck Tires Only

Item No.	Description
269*	CARBIDE CUTTER, 3", 75mm length, for 1/8", 3mm injuries
270P*	CARBIDE CUTTER, 2", 50mm length, for 1/4", 6mm injuries
271P*	CARBIDE CUTTER, 3", 75mm length, for 5/16", 8mm injuries
273	TIRE BURR, 3/16" x 2" x 3"

\*1200 RPM maximum



CAUTION: Always wear eye protection.

## Carbide Cutters

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

\*1200 RPM maximum



CAUTION: Always wear eye protection.

## Diamond-Cut Burrs

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, 274C and 286, a buffer achieving 20,000 to 30,000 RPM will produce the best results.  
\*Item not shown



CAUTION: Always wear eye protection.

SERVICE TOOLS & EQUIPMENT

# TECH Tire Repair Tools

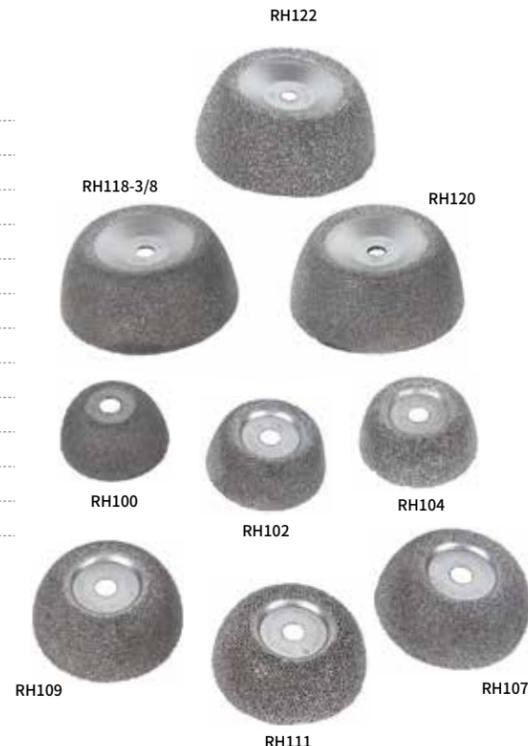
- TECH wheels and rasps feature SSG (Steel, Shot & Grit) coatings which provide a uniform surface texture for maximum adhesion.
- Flared Contour Wheels are designed so that the technician can keep a large area of the tool in contact with the tire, resulting in a more even buffed surface. 5,000 RPM maximum.



## Flared Contour Wheels

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

+ Denotes special order item.  
\* Item not shown



## Extreme Flared Contour Wheels

Item No.	Diameter	Width	Bore	Coating
RH122X	3 1/2", 88.9mm	1 1/2", 38.1mm	3/8", 9.5mm	Extreme 90 - Coarse
RH116X	3", 76.2mm	1 1/4", 31.7mm	3/8", 9.5mm	Extreme 90 - Coarse
RH114X	3", 76.2mm	1 1/4", 31.7mm	3/8", 9.5mm	Extreme 70 - Medium
RH120X	3 1/2", 88.9mm	1 1/2", 38.1mm	3/8", 9.5mm	Extreme 70 - Medium
S20270*	2", 50.8mm	3/4", 19mm	3/8", 9.5mm	60 - Fine

\* Item not shown



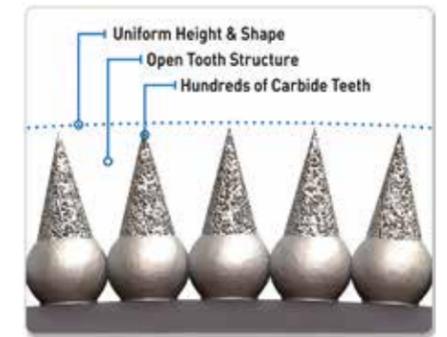
## Low-Profile Buffing Wheel

Unique design allows buffing in low profile tires without risking sidewall damage.

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

# TECH Tire Repair Tools

- Buffs cooler, no scorching
- Fantastic wear life, costing you less per repair
- Better surface texture for a safer bond
- Faster material removal, for a quicker repair



## Poly Plugs For Flared Contour Wheels

Poly Plugs easily fit inside Contour Wheels, compensating for mounting inaccuracies. Reuseable 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 1/2", 63.1mm	3/8", 9.5mm
RH154	3", 76.2mm	3/8", 9.5mm
RH156	3 1/2", 88.9mm	3/8", 9.5mm

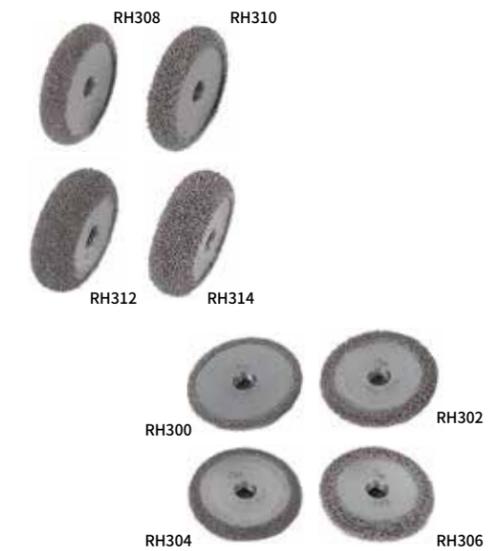
\*Item not shown



## 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.

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



## 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

\*Item not shown



SERVICE TOOLS & EQUIPMENT

# TECH Tire Repair Tools

## Retreading Sidewall Wheels

Item No.	Shape	Diameter	Head Length	Coating
OLVRH707-50+	Donut Wheel	6", 152.4mm	1", 25.4mm	460 - Med. Coarse
RH708	Donut Wheel	6", 152.4mm	1", 25.4mm	390 - Coarse
OLVRH708-50+	Donut Wheel	6", 152.4mm	1", 25.4mm	390 - Coarse

Item No.	Diameter	Width	Bore	Coating
RH129P*	4", 101.6mm	1 1/2", 38.1mm	3/4", 19mm	390 - Coarse
OLVRH1160-390*	7", 177.8mm	-	7/8", 22.2mm	390 - Coarse

+Denotes special order item.  
\*Item not shown



## Extreme Sidewall Wheels

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

\*Item not shown

## 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



## Radial Skive Brushes

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

\*Item not shown



## Rotary Knife Blades

Item No.	Diameter	Bore	Coating
RH100GEG-134-80+	6", 152.4mm	1 3/4", 44.4mm	80 Grit
RH100GEG-138-80+	6", 152.4mm	1 3/8", 34.9mm	80 Grit
RH100GEG-200-80+	6", 152.4mm	2", 50.8mm	80 Grit

+Denotes special order item.



# 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.

## 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.

## 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.

## 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
S2027	2", 50mm	3/4", 20mm	3/8", 10mm	60

The maximum speed for items S2020 through S2027 is 5000 RPM.

The use of an S2047 (page 45) is necessary when using S2022 and S2023 with quick change adaptors.

S2027 designed with non-aggressive grit for passenger tire inner liner and tube buffing.

\*Item not shown

## 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 damage steel to be removed without creating excess scorch.
- Brushes are ideal for cleaning buffed surfaces and skives.

### Encapsulated Wire Brushes



Item No.	Description
TECHS890	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.
TECHS891	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.
S897	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.
S898	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.

### Wire Brushes



Item No.	Description
TECHS892	TEXTURE BRUSH, contains (2) 3", 75mm brushes and (2) 2", 50mm flat washers to keep bristles firm. 5,000 rpm max.
TECHS893	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.
TECHS894	RIM CLEANING BRUSH, 2", 50mm. 5,000 rpm max.
TECHS896	SKIVE BRUSH removes scorched rubber in injury channel. 1/2", 13mm, .005 wire. 5,000 rpm max.

## TECH Buffing Stones

- Buffing stones are recommended for buffing the inside of 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.



### Aluminum Oxide Stones

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

CAUTION: Always wear eye protection.

## 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
S2040	ROTARY GOUGE, 2", 50mm diameter, 1/2", 15mm arbor hole. 1 per box
S2042	THIN WALL ROTARY GOUGE, 2", 50mm diameter, 3/8", 10mm arbor hole, no notch. 2 per box
S2043	THIN WALL ROTARY GOUGE, 2", 50mm diameter, 3/8", 10mm arbor hole, with notch. 2 per box
S2045	ROTARY GOUGE, 1 1/4", 30mm diameter, 3/8", 10mm arbor hole. 3 per box
S2046	MICRO ROTARY GOUGE, 3/4", 20mm diameter, 3/8", 10mm threaded arbor hole. 4 per box
S2047	1/2", 15mm to 3/8", 9mm REDUCER



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



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.

\*Item not shown



## 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

\*Item not shown

+Denotes special order item.

### 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.

\*Item not shown



TMRCW1-50

# TECH Air Tools & Accessories

## Buffers



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.

\*Item not shown  
+Denotes special order item.

## Drills



Item No.	Description
CP9288C	12" HEAVY DUTY PISTOL DRILL, .5 hp (380W) motor, high torque, keyless chuck
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

\*Item not shown

# TECH Air Tools & Accessories

## Adaptors, Chucks & Accessories

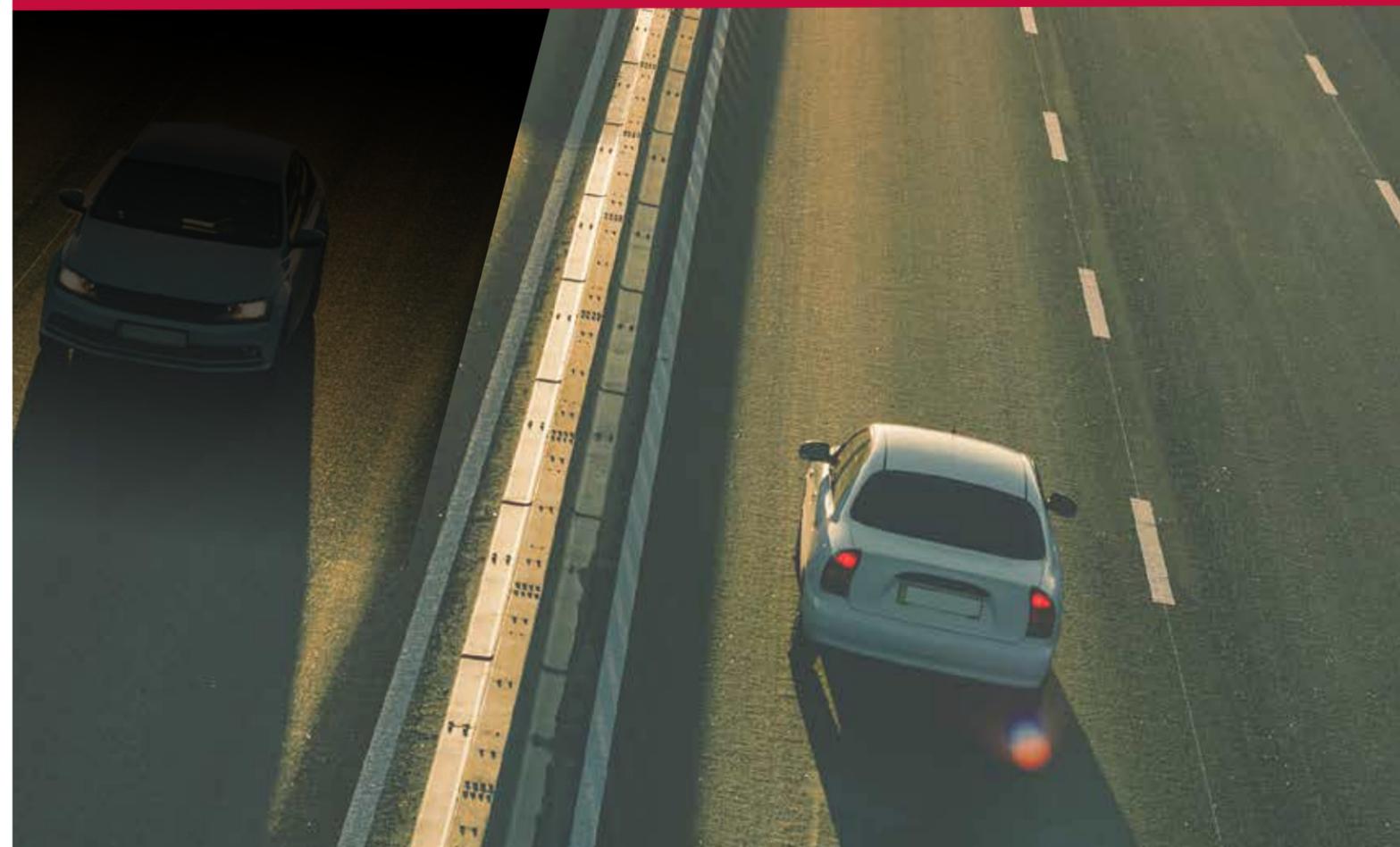


Item No.	Description
S1040	QUICK CHANGE ADAPTOR for No. 270 and No. 270P carbide cutters. For use in S1045 quick change chuck.
S1041	QUICK CHANGE ADAPTOR for No. 271 and No. 271P carbide cutters. For use in S1045 quick change chuck.
S1041/38	QUICK CHANGE ADAPTOR designed to accept a No. 271/38 and No. 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. (not shown)
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.

# Wheel & Tire Supplies



Designed to extend the usable life of a tire, to reduce the chance of tire failures and to save on fuel costs, proper air pressure must constantly be maintained. TECH's complete lineup of tire and tube valves, TPMS systems and wheel balancing products ensure that all tires will perform to the exacting standards as set forth by the respective tire manufacturers, the Rubber Manufacturer's Association and the Tire Industry Association.



## TECH Lead Free Balance Pads

- Provides a "green" option of balancing the tire from the inside.
- In special tire service applications, traditional exterior clip on wheel weights may not be enough to correct an out of balance condition or may become dislodged.
- Installation is performed using the combination of a spin balancer and the same procedures as installing a tire repair unit.

Item No.	Description	Box Qty.
1181*	BALANCE PAD, 30 gram	1
1182	BALANCE PAD, 50 gram	1
1183*	BALANCE PAD, 75 gram	1
1184*	BALANCE PAD, 100 gram	1
1185	BALANCE PAD, 125 gram	1
1186*	BALANCE PAD, 150 gram	1
1187*	BALANCE PAD, 175 gram	1
1188	BALANCE PAD, 200 gram	1

\*Item not shown



## TECH PLUS Tire Balancing Compound

Item No.	Description	Box Qty.
TLP60*	TECH PLUS, 2 oz.	48
TL100*	TECH PLUS, 3 oz.	36
TL150	TECH PLUS, 4.5 oz.	36
TL200*	TECH PLUS, 6.5 oz.	24
TL250*	TECH PLUS, 8.5 oz.	24
TM300*	TECH PLUS, 10.5 oz.	20
TM400*	TECH PLUS, 13 oz.	12
TM500*	TECH PLUS, 16 oz.	12
TP6000*	TECH PLUS, 21 oz.	8
TP7000*	TECH PLUS, 23.5 oz.	8

\*Item not shown.

### How TECH PLUS Works

Thousands of specially coated microbeads reduce friction and maintain durability, giving you the option of reinstalling TECH PLUS in a retreaded truck tire for trailer applications.



TECH PLUS microbeads are spread evenly around interior of the tire through centrifugal force.



A tire with a heavy spot on the tread pulls the tire outwards, causing a force that results in vibration.

TECH PLUS microbeads are redistributed around the tire, creating compensating force and reducing vibration.



## TECH Tire Sealant



TPTS32



TPTS5



IM-10005

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

\*Item not shown.

# TECH Repair Manuals & Repair Charts

## Repair Manuals

Item No.	Description
RM-1	TUBE REPAIR
RM-2	VALVE REPAIR
RM-4	250UL & 251UL UNI-SEAL ULTRA REPAIR on a Speed Rated Tire
RM-5	2-PIECE REPAIR
RDVD1	UNI-SEAL & TWO-PIECE NAILHOLE REPAIR DVD



## Repair Charts

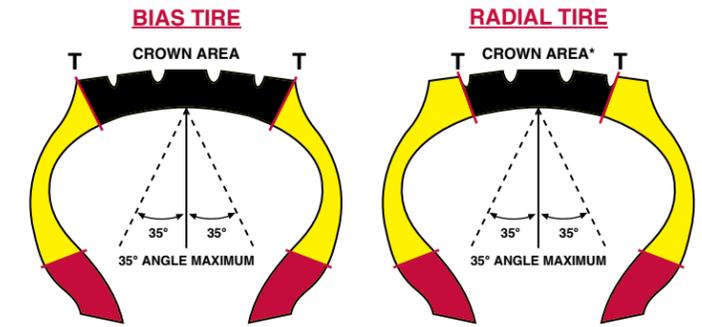
The following pages contain a complete inventory of TECH repair application charts for your reference. To order TECH wall Charts refer to the item numbers below.

Item No.	Title	Description
BP	BP Bias Ply Size of Injury	Large wall chart contains complete information on proper selection of BP bias ply repair units
CT	Centech Size of Injury/Repair Selection Chart	Large wall chart contains complete information on selecting the proper Centech radial repair units for passenger, light truck, medium truck & tractor tires
CTOR	Centech Off Road Repair Selection Chart	Large wall chart contains complete information on selecting the proper Centech radial OTR repair units
PTC	Uni-Seal Ultra Repair Chart	Large wall chart featuring the application of Uni-Seal Ultras in passenger, light truck and truck tires.
2PC	Two-Piece Wall Chart	Large wall chart featuring the application of Two-Piece style repairs in passenger, light truck and truck tires.
TOR	TOR Wall Chart	Large wall chart contains complete information on selecting the proper Tech TOR repair unit for off-road tires.
VHSC	TECH Valve Hardware Selection Chart	Large wall chart contains complete information on selecting proper valve hardware for passenger, light truck and medium truck applications.



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

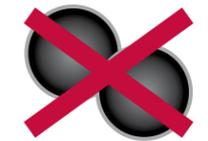
Angles greater than 35° require a 2 piece repair system to be used. \*Radial tire crown area begins 1" (25mm) from tread edge on passenger tires, or 1½" (40mm) on all truck and ag. tires.



## Radial & Bias Crown Injuries

Prepared Crown Injury Size	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	UL3	UL3			
6mm	UL6	UL6	UL6	UL6	
8mm			UL8	UL8	
10mm			UL10	UL10	UL10
13mm			UL13	UL13	UL13

## REPAIRS MUST NOT



**OVERLAP**



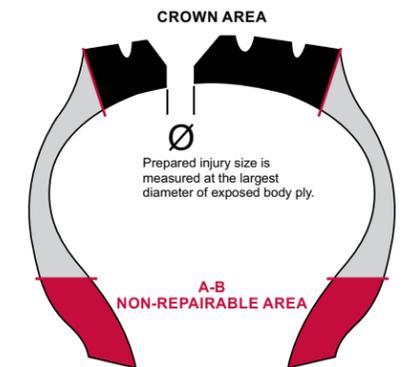
**BE IN THE SAME BODY PLY**

# TECH Bias Skidder Tire 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*	TOR9*
26-28	TOR5	TOR6	TOR7	TOR7	TOR8	TOR8	TOR9	TOR9*	TOR9*	TOR10*

FOR 6 TO 8 PLY RATED TIRES AND INJURIES SMALLER THAN SHOWN ON THIS CHART, REFER TO BPT CHART ON PAGE 15. \*CROWN AREA INJURIES ONLY.



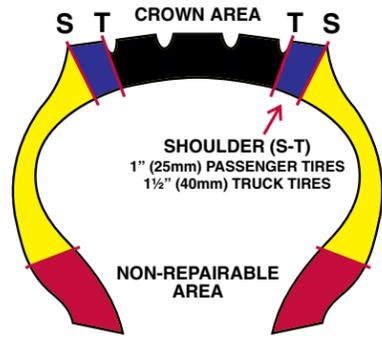
**SKIDDER A-B NON-REPAIRABLE AREA**

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

# 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)	CC6 (270)	ULS6 (250-1UL)	CT-10, MP-0 OR 111	
Light Truck Tires	1/4" (6mm)	CC6 (270)	ULS6 (250-1UL)	CT-10, MP-0 OR 111	CT-22
	5/16" (8mm)	CC8 (271)	ULS8 (251-1UL)	CT-12, MP-0 OR 111	CT-22
	3/8" (10mm)	CC10 (271/38)	ULS10 (291-1UL)	CT-20, MP-2 OR 112	CT-24
Truck & Farm Tractor Tires	1/4" (6mm)	CC6 (270)	ULS6 (250-1UL)	CT-10HD, MP-1 OR 111	CT-24
	5/16" (8mm)	CC8 (271)	ULS8 (251-1UL)	CT-12HD, MP-2 OR 111	CT-24
	3/8" (10mm)	CC10 (271/38)	ULS10 (291-1UL)	CT-20 OR 112	CT-26
Heavy Truck & Super Singles	3/8" (10mm)	CC10 (271/38)	ULS10 (291-1UL)	CT-20 OR 112	CT-26



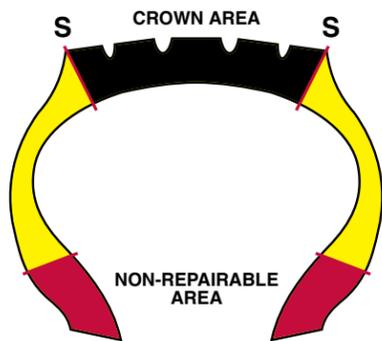
REPAIRS **MUST NOT**



**OVERLAP**



**BE IN THE SAME BODY PLY**



REPAIRS **MUST NOT**



**OVERLAP**

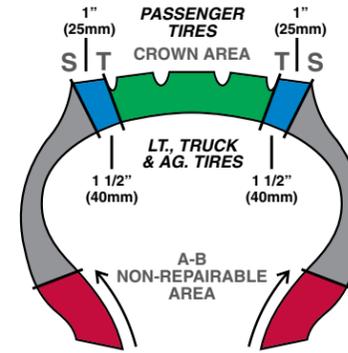
# Bias 2-Piece Nail Hole Repair Applications

## Maximum Prepared Injury - Bias

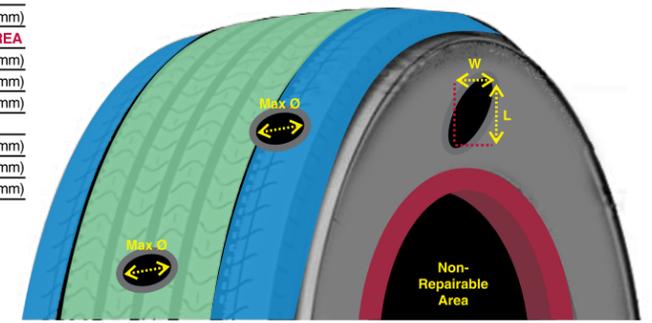


Prepared Injury Size	Carbide Cutter	Uni-Seal Stem	6 Ply	8 Ply	10-12 Ply	14-22 Ply
1/4" (6mm)	CC6 (270)	ULS6 (250-1UL)	MP-0	MP-0	MP-0	MP-1
5/16" (8mm)	CC8 (271)	ULS8 (251-1UL)	MP-0	MP-1	MP-1	MP-1
3/8" (10mm)	CC10 (271/38)	ULS10 (291-1UL)	MP-1	MP-2	MP-2	112

# 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
1/4" (6mm)	1/4" (6mm)	10	10
1/4" (6mm)	1/2" (13mm)	10	
1/4" (6mm)	2" (50mm)	12	
3/8" (10mm)	3/8" (10mm)	10HD	
3/8" (10mm)	1 1/2" (40mm)	10HD	
3/8" (10mm)	2" (50mm)	12HD	
1/2" (13mm)	1 1/2" (40mm)	14	
1/2" (13mm)	2" (50mm)	12HD	
3/4" (20mm)	3/4" (20mm)	14	
3/4" (20mm)	1 1/2" (40mm)	14	
3/4" (20mm)	2" (50mm)	14	
1" (25mm)	1 1/2" (40mm)	14	
1" (25mm)	2" (50mm)	14	

TO MAINTAIN THEIR SPEED RATING, PASSENGER TIRES CARRYING A SPEED RATING OF H, V, W, Y, OR 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	Crown Injury Diameter	Tractor Sizes		
			8-11 8.3-12.4	12-15 13.6-23.5 440/65-600/65	24.5-30.5 620/75-1050/50
1/4" (6mm)	1/4" (6mm)	3/8" (10mm)	12	12	20
3/8" (10mm)	3/8" (10mm)		12	12	20
3/8" (10mm)	1 1/2" (40mm)		20	20	22
3/8" (10mm)	5" (125mm)		26	26	26
	3/8" (10mm)		20	20	22
	3/4" (20mm)		20	20	22
3/4" (20mm)	3" (75mm)		22	80	80
	3/4" (20mm)		22	80	80
1 1/2" (40mm)		1 1/2" (40mm)	80	82	82
		1 1/2" (40mm)	80	82	82
		2 3/4" (70mm)	80	82	84
2" (50mm)	3 1/4" (80mm)		80	82	84
	2" (50mm)		82	84	84
2 1/2" (65mm)	3" (75mm)		80	82	84
2 1/2" (65mm)	4" (100mm)		80	82	84
2 3/4" (70mm)	2 3/4" (70mm)		80	82	84
	2 3/4" (70mm)		86	86	86
3 1/4" (80mm)	3 1/4" (80mm)		82	84	84
3 1/4" (80mm)	5 1/4" (130mm)		84	86	86
	3 1/2" (90mm)		88	90	90
3 1/2" (90mm)	4 1/2" (115mm)		84	86	86
3 1/2" (90mm)	7 1/8" (180mm)		88	88	88
4" (100mm)	4" (100mm)		84	86	86
4" (100mm)	6 1/2" (165mm)		86	88	88
4" (100mm)	8" (200mm)		88	88	88
		5" (125mm)	86	88	88
5" (125mm)	5" (125mm)		86	88	88
5" (125mm)	10" (250mm)		88	90	90
5 1/2" (140mm)	6" (150mm)		88	90	90
6" (150mm)	8" (200mm)		90	90	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)	Truck Tire Sizes		
			Light Truck Through Load Range E 6.50-12.50 LT 215-285	Truck Tire Sizes Heavy Truck 7.50-10.00 8-11 235/80-275/80 225/75-295/75	11.00-14.00 12-16.5 295/80-315/80 305/75-445/65 425/50-495/45
Width	Length				
1/4" (6mm)	1/4" (6mm)	1/4" (6mm)	10 or 111	10HD or 111	10HD or 111
		5/16" (8mm)	22	24	26
5/16" (8mm)	5/16" (8mm)	5/16" (8mm)	12 or 111	12HD or 111	12HD or 111
		3/8" (10mm)	20 or 112	20 or 112	20 or 112
1 Cable	1 1/2" (40mm)		20	20	20
1 Cable	3 1/8" (80mm)		22	24	24
1 Cable	4 3/4" (120mm)		22	24	24
1 Cable	6" (150mm)		26	26	26
2 Cables	3/4" (20mm)		20	20	24
2 Cables	1 1/2" (40mm)		20	24	24
2 Cables	2 3/8" (60mm)		22	24	26
2 Cables	5 1/8" (130mm)		26	26	26
3/8" (10mm)	1 1/2" (40mm)		20	26	40
3/8" (10mm)	2 3/8" (60mm)		22	26	40
3/8" (10mm)	3 1/8" (80mm)		26	40	42
3/8" (10mm)	5 1/8" (130mm)		42	44	44
		3/8" (10mm)	24	26	26
		1/2" (13mm)	22	33 or 40	33 or 40
1/2" (13mm)	1 1/2" (40mm)		22	40	40
1/2" (13mm)	2 3/4" (70mm)		22	40	42
1/2" (13mm)	3 3/4" (95mm)		40	42	42
1/2" (13mm)	5 1/8" (130mm)		44	44	44
		1/2" (13mm)	40	40	40
3/4" (20mm)	1" (25mm)	3/4" (20mm)	22	33 or 40	35 or 42
3/4" (20mm)	2 1/2" (65mm)		24	42	42
3/4" (20mm)	4 3/8" (110mm)		42	44	44
3/4" (20mm)	5 1/8" (130mm)		44	44	44
		3/4" (20mm)	40	42	42
1" (25mm)	2" (50mm)	1" (25mm)	33 or 40	35 or 42	37 or 44
1" (25mm)	3 1/4" (80mm)		40	42	44
1" (25mm)	4" (100mm)		44	44	44
		1" (25mm)	44	44	44
1 1/4" (32mm)	2" (50mm)	1 1/4" (32mm)		35 or 42	37 or 44
1 1/4" (32mm)	3 1/8" (80mm)			42	44
1 1/4" (32mm)	4" (100mm)			44	44

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.



# Bias Repair Chart



**A-B NON-REPAIRABLE AREA**

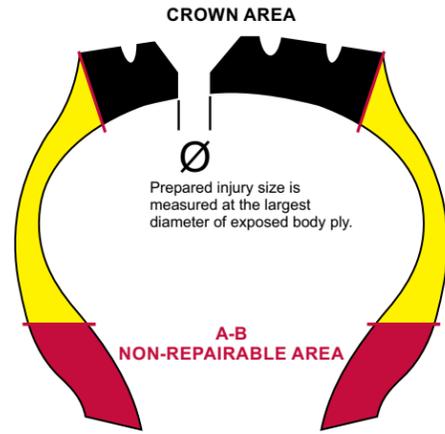
7.00-8.75	3 1/4", 80mm
9.00-14.00	4", 100mm
16.00-18.00	5", 125mm
21.00-27.00	6", 150mm

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 inches	SIZE OF INJURY – TREAD, SHOULDER AND SIDEWALL												
		3 1/8"	6 1/4"	10 3/8"	13 1/2"	20 3/4"	25 1"	40 1 1/2"	50 2"	65 2 1/2"	75 3"	100 4"	125 5"	150 6"
4 (B)	MP-0	MP-0	MP-1	MP-2	BP-3	BP-3	BP-4	BP-5						
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	BP-6	BP-7	BP-8		
10 (E)	MP-0	MP-1	MP-2	BP-3	BP-3	BP-4	BP-5	BP-6	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-6	BP-7	BP-8		
14 (G)	MP-0	MP-1	BP-3	BP-4	BP-4	BP-5	BP-6	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-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-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 inches	SIZE OF INJURY – TREAD, SHOULDER AND SIDEWALL																
		3 1/8"	6 1/4"	10 3/8"	13 1/2"	20 3/4"	25 1"	40 1 1/2"	50 2"	65 2 1/2"	75 3"	100 4"	125 5"	150 6"	175 7"	200 8"	225 9"	250 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.

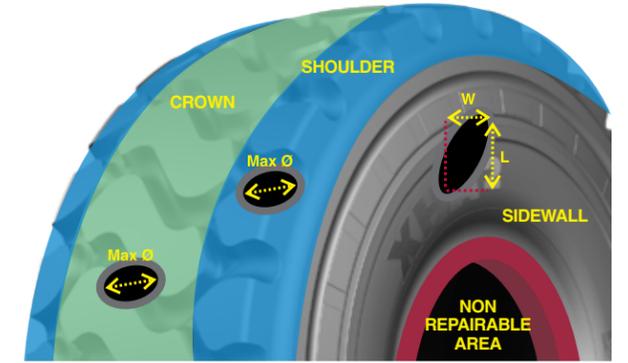
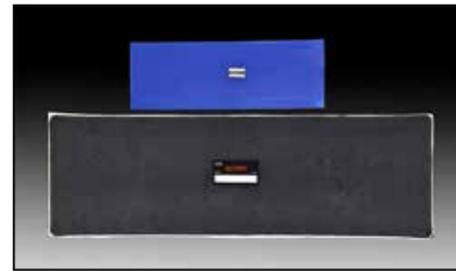
**\*REINFORCEMENT REPAIRS  
SIZE OF INJURY – TREAD, SHOULDER AND SIDEWALL**



PLY RATING (LOAD RANGE)	mm inches	SIZE OF INJURY – TREAD, SHOULDER AND SIDEWALL											
		6 1/4"	10 3/8"	13 1/2"	20 3/4"	25 1"	40 1 1/2"	50 2"	65 2 1/2"	75 3"	100 4"	125 5"	150 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.

# AX Aramid Reinforced Radial OTR Repair Chart Severe Service Repairs



Sidewall Injury	Shoulder Injury	Crown Injury	Earthmover Tire Sizes			
			18.00-21.00 20.5-26.5	24.00-27.00 29.5-33.5 35/65	30.00-33.00 37.25-37.50 40/65-45/65	36.00-40.00 46/90-59/80 50/65-65/65
1 (25)	10 (250)	1 (25)	CT45A	CT45A	CT45A	CT45A
			AX50	AX60	AX80	AX100
1 1/4 (30mm)	12 (300)	1 (25)	AX50	AX60	AX80	AX100
			AX60	AX80	AX80	AX100
1 1/2 (40)	14 (350) 16 (400)	1 1/2 (40)	CT45A	CT55A	CT55A	CT55A
			AX80	AX80	AX80	AX120
2 (50)	8 (200) 11 (275) 14 (350)	2 (50)	AX50	AX60	AX100	AX120
			AX60	AX80	AX80	AX120
2 (50)	18 (450) 19 (475)	2 (50)	AX120	AX120	AX140	AX140
			AX120	AX140	AX140	AX155
2 3/8 (60)	18 (450)	2 (50)	AX50	AX80	AX120	AX140 OR AX155*
			AX50	AX80	AX120	AX155
2 1/2 (65)	6 (150) 14 (350)	2 1/2 (65)	CT55A	CT65A	CT65A	CT65A
			AX50	AX80	AX100	AX140
2 3/4 (70)	16 (405)	2 1/2 (65)	AX50	AX100	AX140	AX140 OR AX155*
			AX50	AX100	AX140	AX155
3 (75)	5 1/2 (140) 11 (275) 12 (300)	3 (75)	CT65A	CT75A	CT75A	CT75A
			AX80	AX100	AX120	AX140
3 1/4 (85)	16 1/2 (420)	3 (75)	AX60	AX100	AX140	AX140 OR AX155*
			AX60	AX100	AX120	AX155
3 1/2 (90)	7 1/2 (190) 9 (225) 12 (300)	3 1/2 (90)	CT75A	CT75A	CT75A	CT75A
			AX60	AX80	AX120	AX120
4 (100)	5 (125) 6 (150) 9 (225) 11 (275)	4 (100)	AX60	AX100	AX120	AX140
			AX100	AX100	AX120	AX140
4 1/2 (115)	6 1/2 (165) 6 (150) 10 1/2 (265)	4 (100)	AX120	AX140	AX140	AX155
			AX120	AX140	AX140	AX155
5 (125)	5 (125) 7 (175)	5 (125)	CT85A	CT85A	CT85A	CT85A
			AX120	AX120	AX140	AX140
6 (150)	3 (75) 5 (125)	5 1/2 (140)	CT85A	CT85A	CT85A	CT85A
			AX120	AX140	AX140	AX140

\*USE THE AX140 ON 57" TIRES AND THE AX155 ON 63" TIRES.

REPAIR UNITS SHOWN [BOXED IN GREEN] ARE LIMITED TO CROWN (T-T) AREA ONLY. NOTE: THIS SECTION REPAIR CHART IS A GUIDELINE ONLY.

**RADIAL/OTR  
NON-REPAIRABLE AREA**

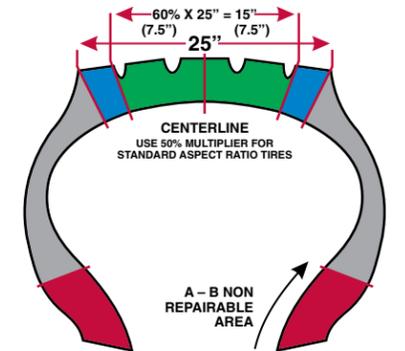
14.00-16.00 (15.5-17.5)	3", 75mm
18.00-24.00 (20.5-29.5)	5", 125mm
27.00-33.00 (33.25-37.5)	6", 150mm
40/65-50/65 (40.5)	6 3/4", 170mm
36.00	8", 200mm
37.00-40.00 (50.5 & larger)	10", 255mm

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

**Radial/OTR Crown Dimensions (T-T Area)**  
Crown is defined as 60% of tread face for standard aspect ratio tire sizes and 50% 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	REPAIR UNIT DIMENSIONS	
	inches	mm
CT45A	9 1/8 X 7 3/4	230 X 195
CT55A	13 X 10 1/4	330 X 260
CT65A	16 1/2 X 13	420 X 330
CT75A	20 3/4 X 17 X 3/4	535 X 450
CT85A	28 X 22	710 X 560
AX50	5 1/2 x 20 1/2	140 x 520
AX60	8 1/2 x 24	215 x 610
AX80	9 1/2 x 28	240 x 710
AX100	11 x 31	280 x 790
AX120	11 x 35	280 x 890
AX140	14 1/2 x 47	370 x 1190
AX155	10 x 55	250 x 1400

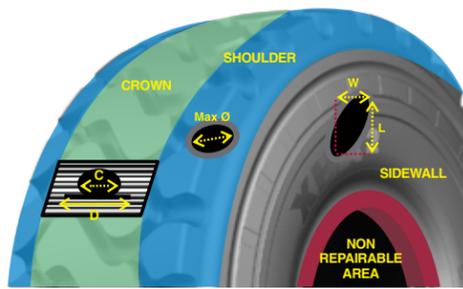
# TECH Radial OTR Repair Chart

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)	3 (75)		3/8 (10)	42	42	42	CT42A	CT44A
3/8 (10)	4 3/8 (110)			42	42	44	CT42A	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 CT52A	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 CT52A	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	CT58A	CT58A	CT60A
1 1/2 (40)	16 (400)			CT56A	CT58A	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)			CT52A	CT52A	CT56A	CT56A	CT60A
2 (50)	19 (475)			CT52A	CT52A	CT58A	CT60A	CT64A
2 (50)	22 (560)			CT52A	CT52A	CT62A	CT62A	CT66A
			2 (50)	CT50A	CT50A	CT52A	CT52A	CT64A
			C = 2 1/2 (65) D = 3 3/4 (95)	CT55A or CT52A	CT55A or CT52A	CT55A or CT52A	CT65A or CT58A	CT65A or CT58A
2 1/2 (65)	8 (204)			CT52A	CT52A	CT56A	CT56A	CT64A
2 1/2 (65)	14 (350)			CT52A	CT52A	CT58A	CT60A	CT64A
			2 1/2 (65)	CT56A	CT56A	CT58A	CT58A	CT66A
2 3/4 (70)	8 (204)			CT52A	CT52A	CT56A	CT56A	CT64A
2 3/4 (70)	14 (355)			CT52A	CT52A	CT58A	CT60A	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)			CT52A	CT52A	CT58A	CT60A	CT64A
3 (75)	14 (355)			CT52A	CT52A	CT60A	CT62A	CT64A
3 (75)	16 (408)			CT52A	CT52A	CT60A	CT64A	CT66A
3 (75)	18 (457)			CT52A	CT52A	CT60A	CT64A	CT66A
3 (75)	20 (508)			CT52A	CT52A	CT60A	CT64A	CT68A
			3 (75)	CT56A	CT56A	CT64A	CT64A	CT66A
			C= 3 1/2 (90) D= 5 1/2 (140)	CT56A	CT75A or CT56A	CT75A or CT56A	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)			CT52A	CT52A	CT56A	CT64A	CT64A
3 1/2 (90)	15 (380)			CT52A	CT52A	CT58A	CT64A	CT66A
			3 1/2 (90)	CT56A	CT60A	CT64A	CT64A	CT66A
			4 (100)	CT56A	CT75A	CT75A	CT75A	CT85A
4 (100)	5 (125)			CT52A	CT52A	CT58A	CT62A	CT66A
4 (100)	6 (150)			CT52A	CT52A	CT58A	CT62A	CT66A
4 (100)	9 (225)			CT52A	CT52A	CT58A	CT62A	CT66A
4 (100)	11 (275)			CT52A	CT52A	CT60A	CT64A	CT68A
4 (100)	12 1/2 (315)			CT52A	CT52A	CT60A	CT64A	CT68A
4 (100)	14 (355)			CT52A	CT52A	CT60A	CT64A	CT68A
			4 (100)	CT56A	CT60A	CT64A	CT64A	CT68A
4 3/4 (120)	6 (150)			CT56A	CT58A	CT64A	CT64A	CT68A
4 3/4 (120)	8 (203)			CT56A	CT58A	CT64A	CT64A	CT68A
4 3/4 (120)	10 (254)			CT56A	CT58A	CT64A	CT64A	CT68A
4 3/4 (120)	12 (305)			CT56A	CT58A	CT64A	CT64A	CT68A
			C= 5 (125) D= 7 (180)	CT56A	CT85A	CT85A	CT85A	CT85A
5 (125)	5 (125)			CT56A	CT58A	CT64A	CT64A	CT68A
5 (125)	8 (204)			CT56A	CT62A	CT64A	CT64A	CT68A
			C= 5 1/2 (140)	CT56A	CT85A	CT85A	CT85A	CT85A
6 (150)	3 (75)			CT62A	CT64A	CT64A	CT64A	CT68A
6 (150)	5 (125)			CT62A	CT64A	CT64A	CT64A	CT68A
6 1/2 (165)	5 (125)			CT62A	CT64A	CT64A	CT64A	CT68A

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



**RADIAL OTR NON-REPAIRABLE AREA**

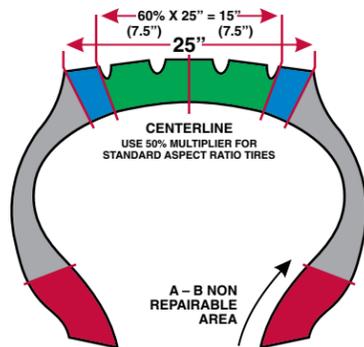
14.00 (15.5)	3", 75mm
(17.5)	4", 100mm
16.00 - 18.00 (20.5 - 23.5)	5", 125mm
21.00 - 24.00 (26.5 - 33.25)	6", 150mm
27.00 - 33.00 (30.5 - 37.5)	8", 200mm
36.00 - 40.00 (40/65 - 65/65)	12", 300mm

### 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.

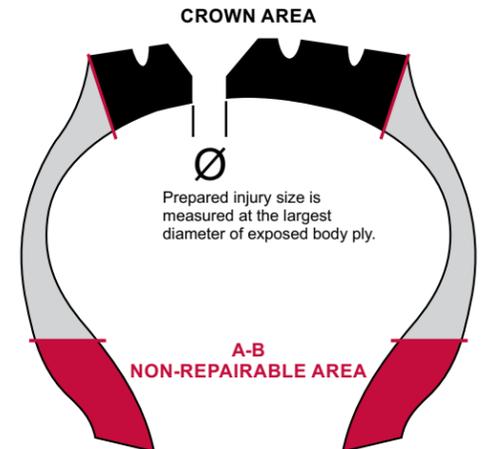
**Wide Base Tire Size Example (29.5 R29):**  
If the tread face measures 25" (635mm) wide, 60% of that is 15" (375mm) - the crown area measurement, or 7.5" (190mm) on each side of the tread centerline. This is where the injury must be located to be considered as a crown area repair.



Repair Unit	REPAIR UNIT DIMENSIONS	
	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

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

# 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
14-16	12	12	16	20	20	20	24	24	24	
18-20	12	16	20	20	20	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**

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	
30-36	2	2	3	3	4	5	6	6	7	8	9	9	9	10	10	
38-44	2	2	3	3	4	6	6	7	8	8	9	9	10	10	10	
46-50	2	3	4	4	5	6	7	8	8	9	10	10	11	11	11	
52-58	3	3	4	4	5	6	7	8	8	10	10	11	11	11	11	
60+	3	4	5	5	6	7	8	8	9	10	11	11	11	11	11	

**CROWN INJURIES ONLY**

# Monaflex OTR Vulcanizing System Radial/Bias Ply Application Chart

TIRE RANGE: OTR 13.00 TO 55.5/85-63 TRACTOR / OTR & WIDE BASE

CONTROL PANEL			M100				
Tractor/Wide Base	Tire Section	Cylinder Bag	Inside Flat Bag	Inside Heat Pad		Outside Heat Pad	External Pack With Flat Bag & Straps
				Bias	Radial		
14.4-24 to 16.9-38	13.00 to 17.5	TR1315/20W		MX2519H	MX3015H	TRX2621H	TR2621E with TROC5XL Straps
18.4-34 to 20.8-42	18.00 to 21.00	M1721/24W		MX2519H OR MX2626H	MX3015H	TRX2621H	TR2621E with TROC5XL Straps
23.1-26 to 30.5-32	23.5 to 26.5	M1721/24W	M4824W	MX2519H OR MX2626H	MX3015H	TRX2621H	TR2621E with TROC5XL Straps
25/65-25	27.00 to 29.5	M1721/24W	M4824W M5432W	MX2519H OR MX2626H	MX3015H OR MX4220H	TRX2621H	TR2621E with TROC5XL Straps
35/65-33 to 45/65-45	30.00 to 37.5	M2732/32W	M5432W	MX3132H OR MX2626H	MX4220H OR MX4224H	MX2626H OR MX3132H	M4832E with M45/6/7 (1HG) 6 Straps
49.5/85-57 to 50/65-51	40.00	M3842/32W		MX3132H OR MX2626H	MX4220H OR MX4224H OR MX4824H OR MX5224H	MX2626H OR MX3132H	M4832E with M45/6/7 (1HG) 6 Straps
50/80-57 to 55/80-57		M4447/32W		MX3132H OR MX2626H	MX4220H OR MX4224H OR MX4824H OR MX5224H	MX2626H OR MX3132H	M4832E with M45/6/7 (1HG) 6 Straps
53.5/85-57 53.5/85-63 55.5/80-57 55.5/85-57 55.5/85-63		M4447/32W	M7532W OR M9032W	MX3132H OR MX2626H	MX4220H OR MX4224H OR MX4824H OR MX5224H	MX2626H OR MX3132H	M4832E with M45/6/7 (1HG) 6 Straps
60/60-57 70/70-57 80/70-57		M5054/32W	M9032W	MX3132H OR MX2626H	MX4220H OR MX4224H OR MX4824H OR MX5224H	MX2626H OR MX3132H	M4832E with M45/6/7 (1HG) 6 Straps

## TECH University

A key to proper tire repair goes beyond having high quality TECH tire repair products. Equally important is the knowledge and skill to perform a proper tire repair. TECH as the global tire & wheel authority created TECH University in 1970 for the express purpose of providing training and certifications for all types of tire repairs.

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)

A two-day seminar designed specifically for automotive technicians with a focus on passenger tire service. Course includes Tire Industry Association (TIA) Basic ATS Program which meets required documented training for new and experienced automotive repair technicians, as well as TIA's Advance TPMS Program. Technicians who successfully complete the course receive Basic ATS Certificate and Advanced TPMS Certificate from the TIA and a TECH the Authorized Nailhole Repair Technician certificate.

### Commercial Tire Service Certification (CTS)

Is a two-day course covering tire construction, inspection and basic repair of commercial truck tires. The course includes both TIA CTS requirements and OHSA Regulation 29CFR Part 1910.177 for servicing single and multi-piece wheels. Technicians who successfully complete the course receive TIA Certified CTS Technician certificate and TECH's Authorized Nailhole Repair Technician Certificate.

### OTR Section Repair

This course provides training in the latest techniques used in the section repair of bias and radial off the road tires. It also covers OTR tire construction, tire storage requirements and tire inspection techniques. Course requires completion of hands-on section repair and written exam. Technicians who successfully complete the course receive TECH's Authorized OTR Repair certificate and arm patch.

### Truck Section Repair

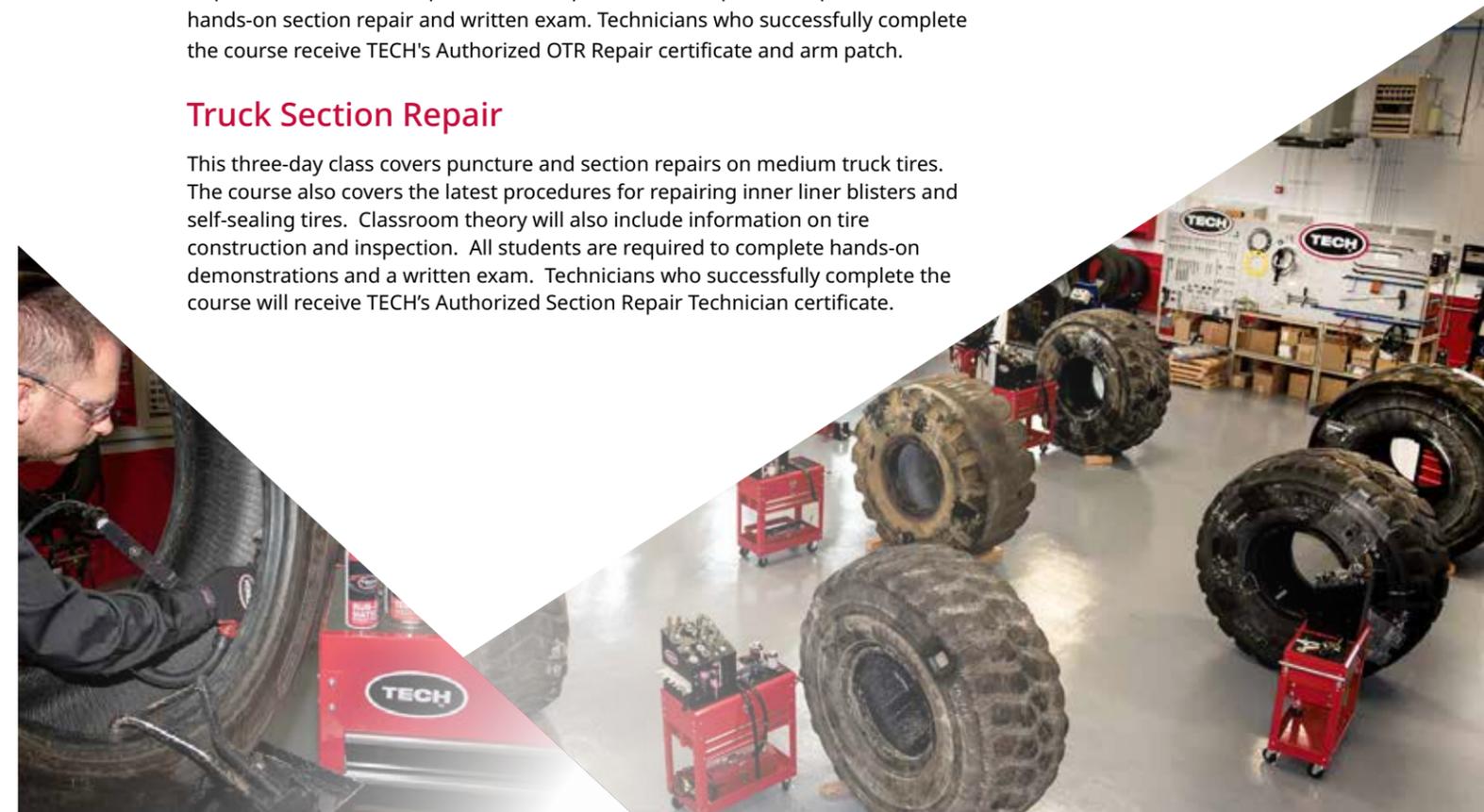
This three-day class covers puncture and section repairs on medium truck tires. The course also covers the latest procedures for repairing inner liner blisters and self-sealing tires. Classroom theory will also include information on tire construction and inspection. All students are required to complete hands-on demonstrations and a written exam. Technicians who successfully complete the course will receive TECH's Authorized Section Repair Technician certificate.



TECH's vision is to

**Teach  
Each  
Customer  
How**

To learn more about TECH University or register for training, visit [techtirerepairs.com](http://techtirerepairs.com) and select "Training" under Rapid Resources





# The Tire & Wheel Authority Technicians Trust



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