

TECH Uni-Seal Ultra Repairs

Tech Uni-Seal Ultra one-piece repair units provide a simple, quick, and safe method to properly repair radial and bias tires. Tech Uni-Seal Ultras have passed the most stringent tire test standards in the world, including the US FMVSS139 New Tire Endurance Test. These repairs meet or exceed international tire industry guidelines for proper puncture repair, such as the ECE 108 & 109 Regulations.

Tires repaired with Uni-Seal Ultras are permanently filled by the stem and strengthened by the thick, non-fabric-reinforced rubber cap. The stem and cap of the repair are sealed and vulcanized to the tire with Tech's thick chemical cushion gum. The 290UL (UL10N) is an excellent repair for self-sealing truck tires produced with sealant beneath the inner liner.

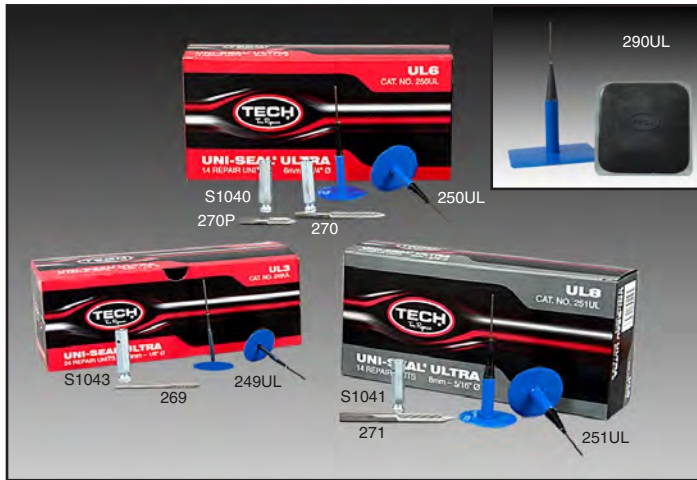
Refer to Tech How-To-Repair Manual RM-4 or Repair Video RDVD1 for installation procedures and limitations.



Proper tire repair.

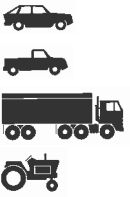


Improper tire repair.



UNI-SEAL ULTRA REPAIRS FOR RADIAL AND BIAS TIRES

Cat. No.	Description	Prepared Injury Size	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
269	CC3 CARBIDE CUTTER	3mm, 1/8"	1
270	CC6 CARBIDE CUTTER	6mm, 1/4"	1
270P	CC6P CARBIDE CUTTER for passenger tires	6mm, 1/4"	1
271	CC8 CARBIDE CUTTER	8mm, 5/16"	1
271/38	CC10 CARBIDE CUTTER	10mm, 3/8"	1
S1043	QUICK CHANGE ADAPTOR for CC3		1
S1040	QUICK CHANGE ADAPTOR for CC6, CC6P		1
S1041	QUICK CHANGE ADAPTOR for CC8		1
911	2mm ALLEN WRENCH for small QC adaptors		1



TECH Uni-Seal Ultra Max Repairs

Tech Uni-Seal Ultra Max one-piece repair units provide a simple, quick, and safe method to properly repair commercial truck tires, agricultural tires, industrial and small OTR tires. Tech Uni-Seal Ultra Max repairs are produced with cross-weave reinforcement for radial or bias tires, a lead wire molded in the stem for quick installation, and Tech's thick chemical cushion gum on the stem and cap for permanent vulcanization to the tire. These repairs meet or exceed international tire industry guidelines for proper puncture repair.



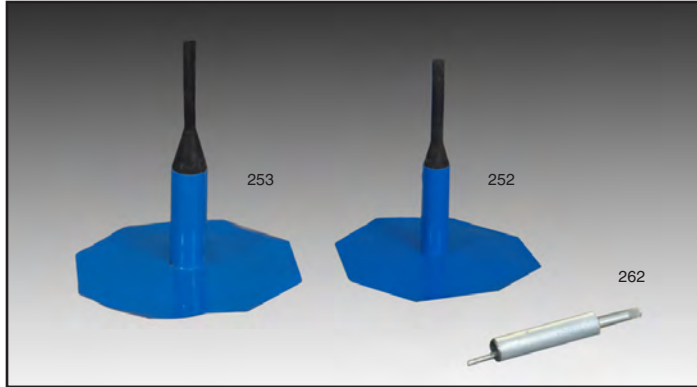
UNI-SEAL ULTRA MAX REPAIRS FOR RADIAL AND BIAS TIRES

Cat. No.	Description	Prepared Injury Size	Box Qty.
291UL	UL10 UNI-SEAL ULTRA MAX	10mm, 3/8"	10
292UL	UL13 UNI-SEAL ULTRA MAX	13mm, 1/2"	10
271/38	CC10 CARBIDE CUTTER	10mm, 3/8"	1
272	CC13 CARBIDE CUTTER	13mm, 1/2"	1
S1041/38	QUICK CHANGE ADAPTOR for CC10 & CC13		1
912	3mm ALLEN WRENCH for S1041/38 QC adaptor (not shown)		1



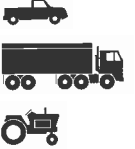
TECH Uni-Seal Repairs for Bias Tires

Tech Bias Uni-Seals provide a simple, safe, permanent method to properly repair 1/2", 13mm and 3/4", 20mm injuries in bias truck, agricultural, industrial and small OTR tires. The oversized stem fills the injury while the fabric reinforced cap restores the integrity to the tire. Both the stem and cap permanently vulcanize to the tire with Tech's thick chemical cushion gum.

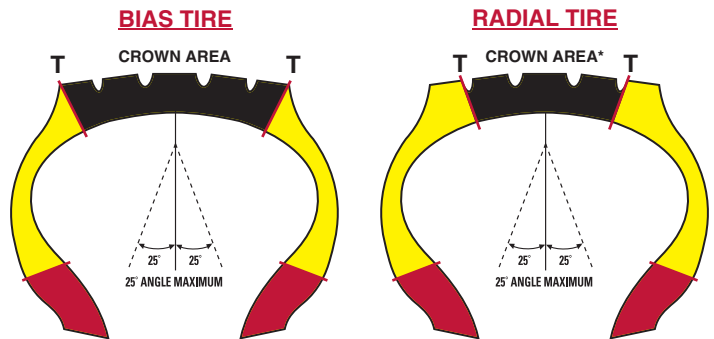


UNI-SEAL BIAS REPAIRS

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



TECH Uni-Seal Ultra, Uni-Seal Ultra Max & Bias Uni-Seal Repair Limitations Chart



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

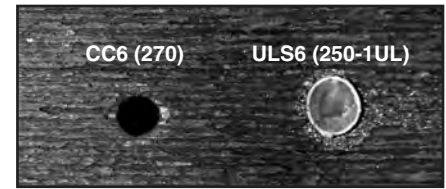
RADIAL AND BIAS CROWN INJURIES

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	<p>REPAIRS MUST NOT OVERLAP!</p> <p>REPAIRS MUST NOT BE IN THE SAME BODY PLY!</p>
3mm	UL3	UL3				
6mm	UL6	UL6	UL6	UL6		
8mm			UL8	UL8		
10mm			UL10	UL10	UL10	
13mm			UL13	UL13	UL13	

TECH Uni-Seal Ultra Stems for 2-Piece Repair

Tech Uni-Seal Ultra stems feature a lead wire for quick easy installation in prepared tire injuries. Each stem is wrapped with Tech's thick chemical cushion gum which permanently fills, seals, and vulcanizes to the tire. The photo (right) shows a 6mm (1/4") prepared injury and the same size injury filled with a ULS6 Uni-Seal Ultra Stem.

These stems must be used in conjunction with the appropriate repair unit on the inside of the tire. Refer to repair charts on page 7.



UNI-SEAL ULTRA STEMS FOR 2-PIECE REPAIR

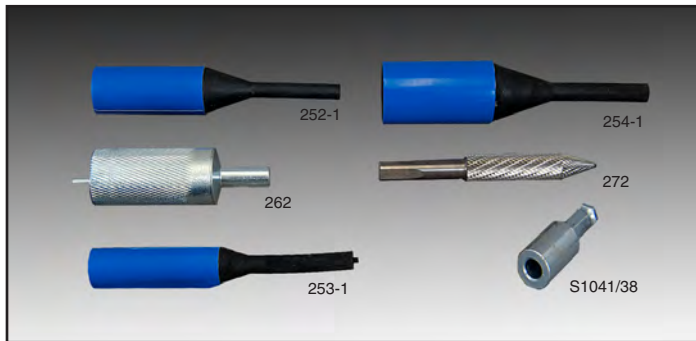
Cat. No.	Description	Prepared Injury Size	Box Qty.
250-1UL	ULS6 UNI-SEAL ULTRA STEM	6mm, 1/4"	20
251-1UL	ULS8 UNI-SEAL ULTRA STEM	8mm, 5/16"	20
291-1UL	ULS10 UNI-SEAL ULTRA STEM	10mm, 3/8"	20
270	CC6 CARBIDE CUTTER	6mm, 1/4"	1
270P	CC6P CARBIDE CUTTER for passenger tires	6mm, 1/4"	1
271	CC8 CARBIDE CUTTER	8mm, 5/16"	1
271/38	CC10 CARBIDE CUTTER	10mm, 3/8"	1
S1040	QUICK CHANGE ADAPTOR for CC6, CC6P		1
S1041	QUICK CHANGE ADAPTOR for CC8		1
S1041/38	QUICK CHANGE ADAPTOR for CC10		1
911	2mm ALLEN WRENCH for small QC adaptors (not shown)		1
912	3mm ALLEN WRENCH for S1041/38 QC adaptor (not shown)		1



TECH Uni-Seal Stems for Large 2-Piece Repair

Uni-Seal stems are designed to fill large punctures in truck, agricultural, industrial, and small OTR tires. Once the damage has been removed with the appropriate cutter, the oversized stem fills the injury with a compression fit. The thick chemical cushion gum wrapped around each stem permanently seals and vulcanizes to the tire.

These stems must be used in conjunction with the appropriate repair unit on the inside of the tire. Refer to repair charts on pages 7, 10 and 13.



UNI-SEAL STEMS FOR LARGE 2-PIECE REPAIR

Cat. No.	Description	Prepared Injury Size	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
272	CC13 CARBIDE CUTTER for 252-1	13mm, 1/2"	1
262	BIAS CUTTER for 252-1	13mm, 1/2"	1



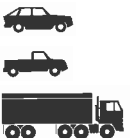
TECH MP Repairs for 2-Piece Repair

Tech Multi-Purpose (MP) repairs are produced with unique cross-weave reinforcement and thick chemical cushion gum that provides excellent performance in both radial and bias tires. MP repairs must be used to repair crown area punctures in conjunction with the appropriate Uni-Seal Ultra Stem as a 2-Piece repair.



MULTI-PURPOSE REPAIR UNITS

Cat. No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.
600	MP-0	60	2 1/4	25
600T	MP-0	60	2 1/4	80
601	MP-1	75	3	20
602	MP-2	90	3 1/2	10
112	MP-10	75	3	30



Refer to Recommended Application Chart on page 7.

TECH Centech Radial Nail Hole Repairs for 2-Piece Repair

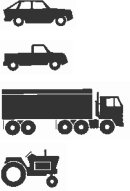
Global tire industry recommendations and tire manufacturers' warranties state that nail hole repairs (puncture repairs) must include a rubber stem or suitable rubber vulcanizing material to fill the prepared injury and a repair unit to seal the inner liner and reinforce the tire on the inside.

Tech Centech Radial Repairs and MP repairs used in conjunction with Uni-Seal Ultra stems meet or exceed these requirements as a 2-Piece repair system. Tech's 2-Piece repair system provides a permanent, safe repair for crown and shoulder area injuries that last the life of the tire. For more information refer to Tech How-To-Repair Manual RM-5 or Nail Hole Repair Video RDVD1.



CENTECH NAIL HOLE REPAIR UNITS

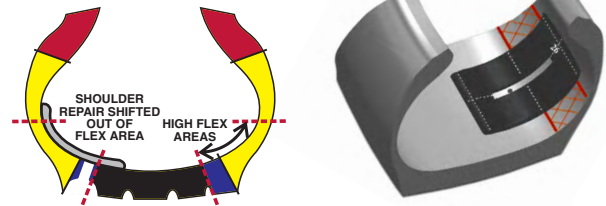
Cat. No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.
164	CT10-HD	65 x 80	2½ x 3¼	10
165	CT-10	45 x 75	1¾ x 3	20
165T	CT-10 in plastic tub	45 x 75	1¾ x 3	80
166	CT-12HD	70 x 115	2¾ x 4½	10
167	CT-12	60 x 110	2¾ x 4¾	10
167T	CT-12 in plastic tub	60 x 110	2¾ x 4¾	40
169	CT-14	75 x 145	2⅞ x 5¾	10
170	CT20	75 x 125	3 x 5	10



TECH Centech Radial Repairs for Shoulder Injuries

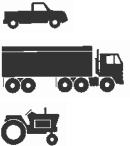


CENTECH SHOULDER REPAIR PLACEMENT



CENTECH RADIAL REPAIRS

Cat. No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.
172	CT-22	75 x 165	3 x 6½	10
174	CT-24	86 x 222	3⅜ x 8¾	10
RSR-26	CT-26-RSR	75 x 250	3 x 10	10



TECH Tire Repair Chemicals

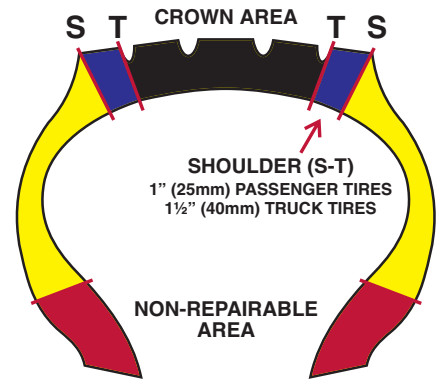
For best results, Tech nail hole repairs should be used with these Tech chemical products.









TECH CHEMICALS

Cat. No.	Description	Box Qty.
704	RUB-O-MATIC rubber cleaner, 32 oz., 945ml can	1
704A	RUB-O-MATIC rubber cleaner aerosol spray, 11.75 oz., 336g	1
705C	TECH CITRUS-BASED RUBBER CLEANER, 32 oz., 945ml can	1
735	BEAD SEALER, 32 oz., 945ml can with brush	1
738	SECURITY COAT inner liner repair sealer, water based, 16 oz., 470ml can with applicator	1
739	BUTYL LINER REPAIR SEALER, 32 oz., 945ml can with brush cap	1
751	TECH CHEK leak detector concentrate, 32 oz., 945ml	1
760	CHEMICAL VULCANIZING FLUID, 7.8 oz., 230ml can with brush	1

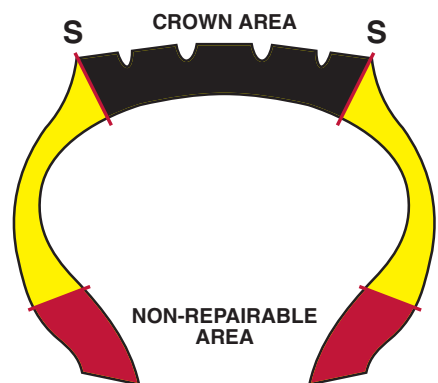
Radial 2-Piece Nail Hole Repair Limitations




MAXIMUM PREPARED INJURY – RADIAL

TYPE OF TIRE	Prepared Injury Size	Carbide Cutter	Uni-Seal Stem	Crown Area Repair Unit	Shoulder Area Repair Unit	REPAIRS MUST NOT OVERLAP! 
Passenger Tires <small>(H, V & Z Rated & Run Flat Tires) Limit 1 Per Tire</small> 	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	REPAIRS MUST NOT BE IN THE SAME BODY PLY! 
	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	

Bias 2-Piece Nail Hole Repair Limitations

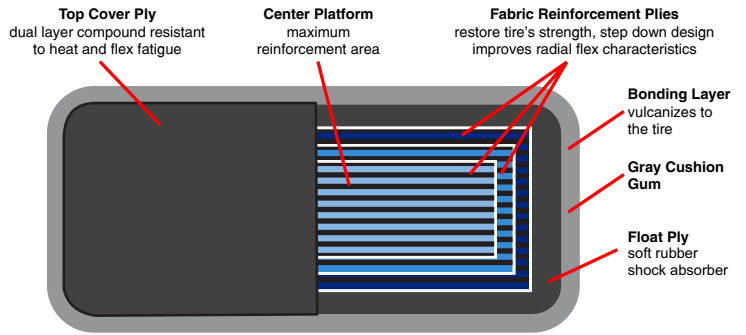


MAXIMUM PREPARED INJURY – BIAS

Prepared Injury Size	Carbide Cutter	Uni-Seal Stem	6 Ply	8 Ply	10-12 Ply	14-22 Ply	REPAIRS MUST NOT OVERLAP! 
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	

TECH Centech Radial Section Repair Units

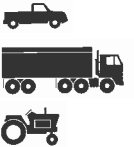
Centech Radial Chemical Repairs, produced with soft gray cushion gum, are ideal for cold chemical vulcanization after the prepared injury has been filled with rubber and cured with heat. Centech repairs are center-over-injury designed and reinforced to restore the strength and flexibility to radial tires. For best results, use with 760 Chemical Vulcanizing Fluid or 775 Heavy Duty Blue Cement.



CENTECH CROWN REPAIR UNITS

Centech crown repairs reduce preparation and material costs by up to 40% over standard repairs.

Cat. No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.
177	CT-33	100 x 125	4 x 5	10
178	CT-35	125 x 150	5 x 6	10
179	CT-37	125 x 170	5 x 6 $\frac{3}{4}$	5



Refer to Repair Limitations Chart on page 10.

Centech Cloth Back style repairs provide maximum adhesion and shelf life. Add suffix "C" to Cat. No. (177C indicates CT-33 Cloth Back).

Aramid reinforcement provides added strength and flexibility to the repair unit to help reduce sidewall bulges. Add suffix "AC" to Cat. No. Not available with gray cushion gum.



CENTECH CENTER-OVER-INJURY REPAIR UNITS

Cat. No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.
176	CT-26	75 x 250	3 x 10	10
180	CT-40	100 x 203	4 x 8	10
182	CT-42	125 x 250	5 x 10	5
184	CT-44	125 x 330	5 x 13	5
CT46A*	Aramid reinforced	156 x 416	6 $\frac{1}{8}$ x 16 $\frac{3}{8}$	5



Centech Cloth Back style repairs provide maximum adhesion and shelf life. Add suffix "C" to Cat. No.

*Aramid reinforcement provides added strength and flexibility to the repair unit to help reduce sidewall bulges.



CENTECH RADIAL AG REPAIRS

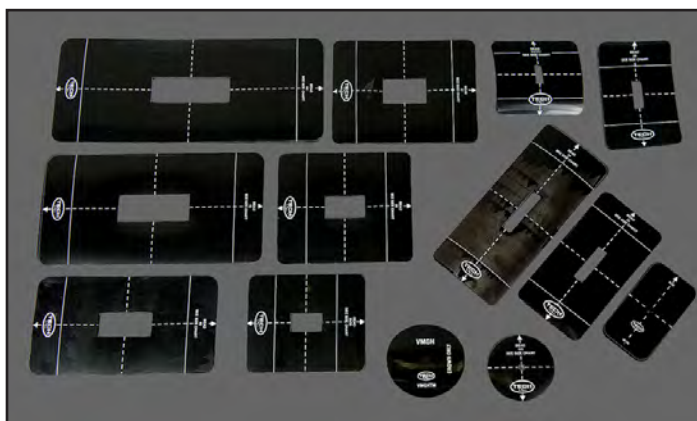
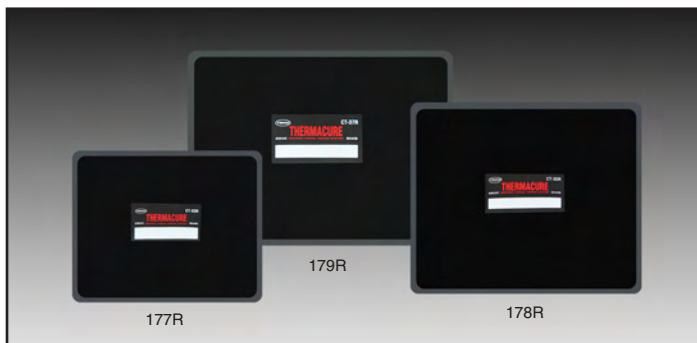
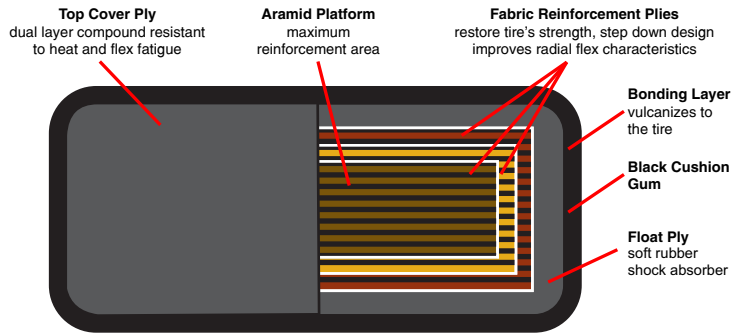
Cat. No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.
196	CT-80	150 x 195	6 x 7 $\frac{3}{4}$	5
197	CT-82	190 x 250	7 $\frac{1}{2}$ x 10	5
198	CT-84	215 x 290	8 $\frac{1}{2}$ x 11 $\frac{1}{2}$	5
199	CT-86	254 x 350	10 x 13 $\frac{3}{4}$	5



Add suffix "R" to Cat. No. to order Thermacure Radial Tractor Repairs. Add suffix "C" to Cat. No. to order Cloth Back repairs.

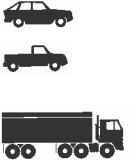
TECH Thermacure Radial Repair Units

Tech Thermacure radial repairs, produced with soft black cushion gum, provide excellent adhesion in all heat cure systems. Thermacure has been designed and tested to perform in the tire through multiple retread applications. Thermacure repairs are center-over-injury designed and reinforced to restore the strength and flexibility to all radial tires. For best results, use with Tech Tem-Vulc Black Cement in heat cure applications. Use with 760 Chemical Vulcanizing Fluid or 775 Heavy Duty Blue Cement in cold chemical cure applications.



THERMACURE NAIL HOLE REPAIRS

Cat. No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.
111R	Round All Purpose	65	2½	50
112R	MP-10R	75	3	30
164R	CT-10HDR	65 x 80	2½ x 3¼	10
166R	CT-12HDR	70 x 115	2¾ x 4⅝	10
169R	CT-14R	75 x 145	2⅞ x 5¾	10
170R	CT-20R	75 x 125	3 x 5	10



Refer to Repair Limitations Chart on page 10.

THERMACURE CROWN REPAIRS

Crown repairs reduce preparation and material costs by up to 40% over standard repairs.

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



Refer to Repair Limitations Chart on page 10.

Aramid reinforcement provides added strength and flexibility to the repair unit to help reduce sidewall bulges. Add suffix "AR" to Cat. No.

THERMACURE CENTER-OVER-INJURY REPAIRS

Cat. No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.
172R	CT-22R	75 x 165	3 x 6½	10
174R	CT-24R	86 x 222	3⅜ x 8¾	10
180R	CT-40R	100 x 200	4 x 8	10
182R	CT-42R	125 x 250	5 x 10	5
184R	CT-44R	125 x 330	5 x 13	5
CT46AR	Aramid reinforced	156 x 416	6⅛ x 16⅜	5



Refer to Repair Limitations Chart on page 10.

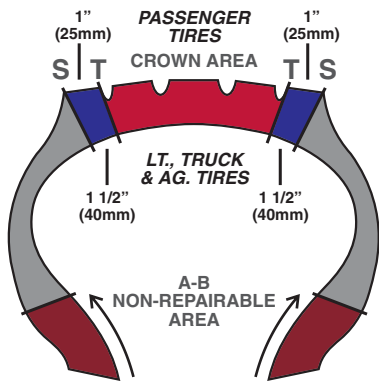
Aramid reinforcement provides added strength and flexibility to the repair unit to help reduce sidewall bulges. Add suffix "AR" to Cat. No. Aramid reinforcement not available on 172R or 174R.

TECH REPAIR TEMPLATES

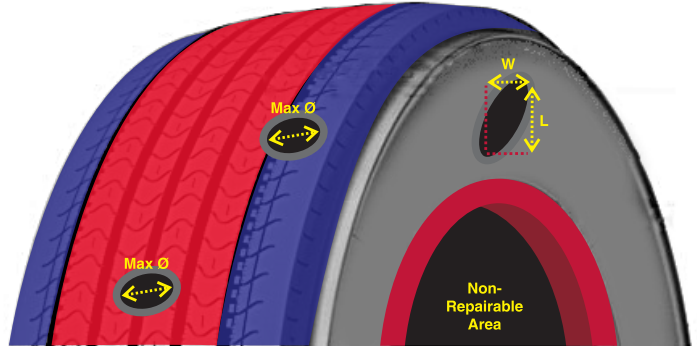
Used with marking crayons, paint sticks or silver ink pens, templates properly outline area to be buffed. Available for Uni-Seals, Centech repairs through Cat. No. 184, CT-44, Thermacure repairs and 111 All Purpose round repair.

Cat. No.	Description	Packaged
111TM	TEMPLATE for 111 All Purpose Repair, 250UL, 251UL	Ea.
165TM	TEMPLATE for CT-10 Centech repair	Ea.
167TM	TEMPLATE for CT-12 Centech repair	Ea.
170TM	TEMPLATE for CT-20 Centech repair	Ea.
172TM	TEMPLATE for CT-22 Centech repair	Ea.
174TM	TEMPLATE for CT-24 Centech repair	Ea.
176TM	TEMPLATE for CT-26 Centech repair	Ea.
177TM	TEMPLATE for CT-33 Centech repair	Ea.
178TM	TEMPLATE for CT-35 Centech repair	Ea.
179TM	TEMPLATE for CT-37 Centech repair	Ea.
180TM	TEMPLATE for CT-40 Centech repair	Ea.
182TM	TEMPLATE for CT-42 Centech repair	Ea.
184TM	TEMPLATE for CT-44 Centech repair	Ea.
RTMS	REPAIR TEMPLATE SET	Ea.
S3/M10/291TM	TEMPLATE for 3" square repairs	Ea.

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 Truck Tire Repair Chart

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

Sidewall Injury	Shoulder Injury Diameter (S-T Area)	Truck Tire Sizes			Crown Injury Diameter (T-T Area)
		Light Truck Load Range E	Heavy Truck	Heavy Truck	
		6.50-12.50	7.50-10.00	11.00-14.00	
		LT 215-285	8-11 235/80-275/80 225/75-295/75	12-16.5 295/80-315/80 305/75-445/65 425/50-495/45	
Width	Length	Light Truck	Heavy Truck	Heavy Truck	
1/4" (6mm)	1/4" (6mm)	10	20	20	1/4" (6mm)
1/4" (6mm)	1/4" (6mm)	22	24	26	
5/16" (8mm)	5/16" (8mm)	12	20	20	5/16" (8mm)
		22	24	26	
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	42	44	
	3/8" (10mm)	24	26	26	
		33	33	33	
1/2" (13mm)	1 1/2" (40mm)	22	40	40	1/2" (13mm)
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	
		33	35	35	
3/4" (20mm)	1" (25mm)	22	40	40	3/4" (20mm)
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	
		33	35	37	
1" (25mm)	2" (50mm)	40	42	44	1" (25mm)
1" (25mm)	3 1/4" (80mm)	42	44	44	
1" (25mm)	4" (100mm)	44	44	44	
	1" (25mm)	44	44	44	
		35	37	37	
1 1/4" (32mm)	2" (50mm)	42	44	44	1 1/4" (32mm)
1 1/4" (32mm)	3 1/8" (80mm)	44	44	44	
1 1/4" (32mm)	4" (100mm)	44	44	46	

REPAIR UNITS SHOWN [BOXED IN RED] ARE LIMITED TO CROWN (T-T) AREA ONLY. ALL OTHERS SHOWN IN RED MAY BE USED FOR CROWN OR SIDEWALL INJURIES. NOTE: THIS SECTION REPAIR CHART IS A GUIDELINE ONLY. LOAD, SPEED AND HIGHWAY APPLICATION CAN AFFECT THE LIMITATIONS OF SECTION REPAIRS.

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

REPAIR UNITS SHOWN IN RED MAY BE USED FOR CROWN OR SIDEWALL INJURIES. 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

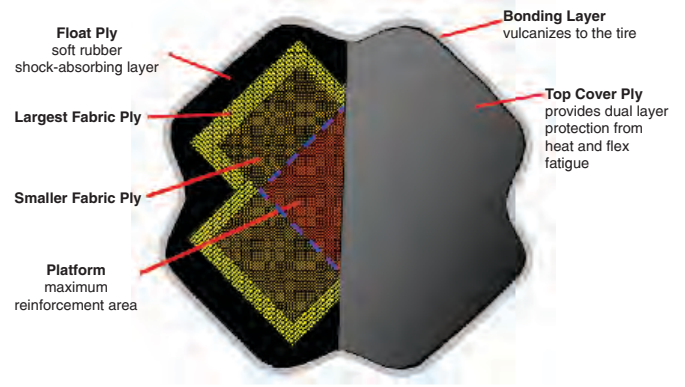
Sidewall Injury	Shoulder Injury	Tractor Sizes			Crown Injury Diameter
		8-11 8.3-12.4	12-15 13.6-23.5 440/65-600/65	24.5-30.5 620/75-1050/50	
1/4" (6mm)	1/4" (6mm)	12	12	20	3/8" (10mm)
3/8" (10mm)	3/8" (10mm)	12	12	20	
3/8" (10mm)	1 1/2" (40mm)	20	20	22	
3/8" (10mm)	5" (125mm)	26	26	26	
	3/8" (10mm)	20	20	22	
3/4" (20mm)	3/4" (20mm)	20	20	22	3/4" (20mm)
3/4" (20mm)	3" (75mm)	22	80	80	
	3/4" (20mm)	22	80	80	
1 1/2" (40mm)	4" (100mm)	80	82	82	1 1/2" (40mm)
	1 1/2" (40mm)	80	82	82	
2" (50mm)	3 1/4" (80mm)	80	82	84	
	2" (50mm)	82	84	84	
2 1/2" (65mm)	3" (75mm)	80	82	84	2 3/4" (70mm)
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 1/2" (90mm)
3 1/4" (80mm)	5 1/4" (130mm)	84	86	86	
3 1/2" (90mm)	4 1/2" (115mm)	84	86	86	
4" (100mm)	4" (100mm)	84	86	86	4" (100mm)
4" (100mm)	6 1/2" (165mm)	86	86	86	
5" (125mm)	5" (125mm)	86	86	86	5" (125mm)

NOTE: THIS SECTION REPAIR CHART IS A GUIDELINE ONLY. REPAIR UNITS SHOWN IN RED MAY BE USED FOR CROWN OR SIDEWALL INJURIES. LOAD, SPEED AND HIGHWAY APPLICATION CAN AFFECT THE LIMITATIONS OF SECTION REPAIRS.

REPAIR UNIT DIMENSIONS		
Repair Unit	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

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. These repairs are designed to restore the strength and flexibility to bias passenger, truck, farm tractor, skidder and small OTR tires.



BP REPAIRS

Cat. No.	Description	Dim. (mm)	Dim. (inches)	Plies	Box Qty.
603	BP-3	100	4	2	10
604	BP-4	130	5 ⁵ / ₁₆	4	10
605	BP-5	165	6 ¹ / ₂	4	10

Add suffix "C" to Cat. No. to order Cloth Back repairs. Refer to Repair Limitations Chart on page 13.



BP REPAIRS

Cat. No.	Description	Dim. (mm)	Dim. (inches)	Plies	Box Qty.
606	BP-6	240	9 ⁹ / ₁₆	6	5
607	BP-7	290	11 ⁵ / ₈	6	5
608	BP-8	340	13 ⁵ / ₈	6	5
609	BP-9	380	15 ¹ / ₈	8	3
610	BP-10	430	17 ¹ / ₈	8	3

Add suffix "C" to Cat. No. to order Cloth Back repairs. Refer to Repair Limitations Chart on page 13.



TECH BPT Bias Ply Tractor Repairs

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.



BPT BIAS PLY TRACTOR REPAIRS

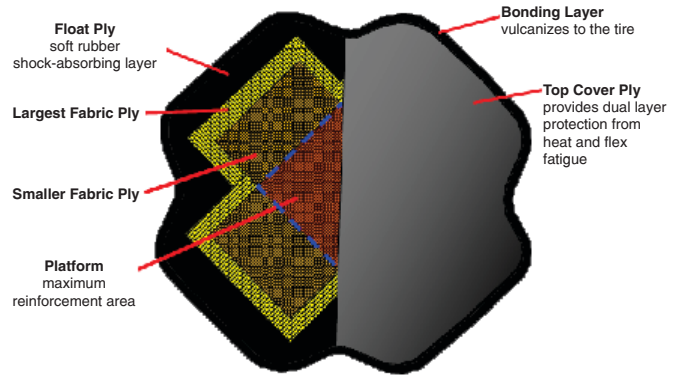
Cat. No.	Description	Dim. (mm)	Dim. (inches)	Plies	Box Qty.
620	BPT-0	200	8	4	10
621	BPT-1	225	9	4	5
622	BPT-2	275	11	4	5
623	BPT-3	375	15	4	5
624	BPT-4	225	9	6	5
625	BPT-5	275	11	6	5
626	BPT-6	375	15	6	5
627	BPT-7	490	19 ¹ / ₂	6	3

Add suffix "C" to Cat. No. to order Cloth Back repairs. Refer to Repair Limitations Chart on page 13.



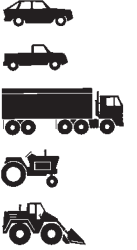
BP THERMACURE Bias Ply Tire Repairs

BP Thermacure repairs are designed for bias truck, agricultural and light duty OTR tire applications up to 22 Ply rated. Thermacure soft black cushion gum provides excellent adhesion in cold chemical cure applications when used with 775 Tech Heavy Duty Blue Cement or with 1082 Tech Tem-Vulc Black Cement in heat cure applications.



THERMACURE BP REPAIRS

Cat. No.	Description	Dim. (mm)	Dim. (inches)	Plies	Box Qty.
603R	BP-3R	100	4	2	10
604R	BP-4R	130	5 ⁵ / ₁₆	4	10
605R	BP-5R	165	6 ¹ / ₂	4	10
606R	BP-6R	240	9 ⁹ / ₁₆	6	5
607R	BP-7R	290	11 ⁵ / ₈	6	5
608R	BP-8R	340	13 ⁵ / ₈	6	5
609R	BP-9R	380	15 ¹ / ₈	8	3
610R	BP-10R	430	17 ¹ / ₈	8	3



Refer to Repair Limitations Chart on page 13.

TECH Bias Skidder Repairs

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



BIAS SKIDDER REPAIRS

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

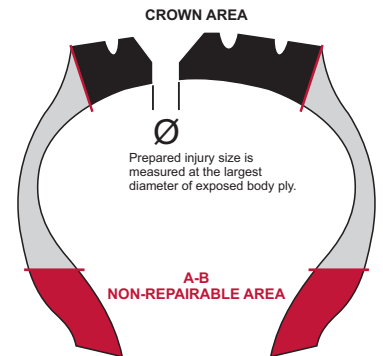


TECH Bias Skidder Tire Repair Chart

PREPARED INJURY SIZE

PLY RATING (LOAD RANGE)	PREPARED INJURY SIZE									
	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
18-20		12	16	20	20	20	24	24	24	24
22-24		16	20	20	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 ON PAGE 13. *CROWN AREA INJURIES ONLY.



SKIDDER A-B NON-REPAIRABLE AREA

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



Bias Repair Chart



A-B NON-REPAIRABLE AREA

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

The above dimensions are guidelines only.

TRACTOR A-B NON-REPAIRABLE AREA

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

The above dimensions are guidelines only.

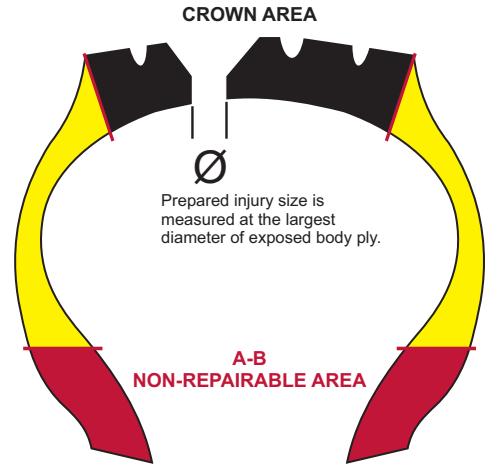


CHART INSTRUCTIONS: For proper repair unit selection, determine the size of the injury in the tire by measuring largest cord area removed. Locate the correct injury size along the top row of the chart. Now locate the tire's ply rating (load range) along the left column of the same chart. The repair unit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

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

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



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

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



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

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

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



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

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

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.

Tech is pleased to offer the most complete line of radial OTR repairs in the industry. Tech OTR repairs are available to work in all types of curing systems and perform in any tire service application.

CENTECH CHEMICAL OTR REPAIRS WITH ARAMID REINFORCEMENT



Centech Chemical repairs with Aramid reinforcement are recommended when the tires are cured with spotters or press systems. The repair unit is installed with Tech Chemical Vulcanizing Fluid or Heavy Duty Blue Cement after the filler rubber has been cured.

CENTECH 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.

CENTECH CLOTH BACKED OTR REPAIRS WITH ARAMID REINFORCEMENT



Centech Cloth Backed repairs with Aramid reinforcement are recommended for all heat cure vulcanizing systems. These 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. Cloth backed repairs have a 5 year shelf life.

CENTECH HEAT CURE OTR REPAIRS WITH ARAMID REINFORCEMENT



Centech Heat Cure repairs with Aramid reinforcement are recommended for all heat cure vulcanizing systems and for section repairs requiring cure times longer than 5 hours. For best results, use with Tech TemVulc Black Cement.

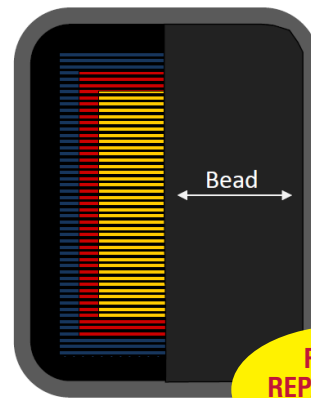
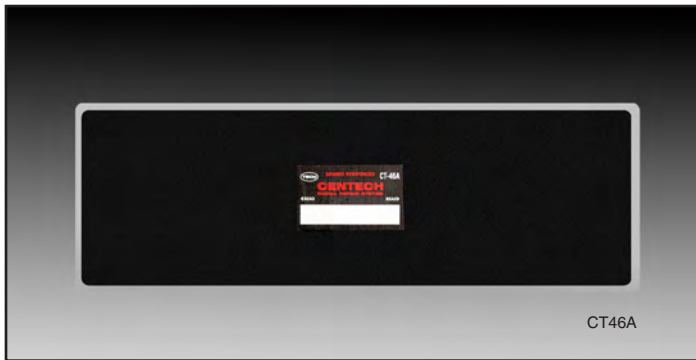
CENTECH Aramid Reinforced Radial OTR Repairs

CENTECH CENTER OVER INJURY OTR REPAIRS

Chemical Repair Cat. No.	Thermacure Repair Cat. No.	Heat Cure Repair Cat. No.	Cloth Back Repair Cat. No.	Dimension inches	Dimension mm	Box Quantity
CT46A	CT46AR	CT46AH	CT46AC	6 1/8 x 16 3/8	156 x 416	5
CT50A	CT50AR	CT50AH	CT50AC	8 x 19 1/8	200 x 486	3
CT52A	CT52AR	CT52AH	CT52AC	10 x 22 1/2	250 X 570	3
CT56A	CT56AR	CT56AH	CT56AC	10 1/2 X 29 1/2	265 X 748	3
CT60A	CT60AR	CT60AH	CT60AC	10 1/2 X 34	265 X 860	3
CT62A	CT62AR	CT62AH	CT62AC	12 1/2 X 40 1/2	325 X 1030	1
CT72A	CT72AR	CT72AH	CT72AC	13 3/4 X 30	345 X 760	1

CENTECH CROWN ONLY REPAIRS WITH ARAMID REINFORCEMENT

Centech Crown Only repair units reduce repair costs by up to 40%. These repairs 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. These repairs have been redesigned to provide a wider range of placement in the crown area of the tire. Centech crown repair units are produced with chemical, Thermacure, and heat cure gums as well as cloth backed and uncured.



REDUCE REPAIR COSTS BY UP TO 40%

CENTECH CROWN ONLY OTR REPAIRS

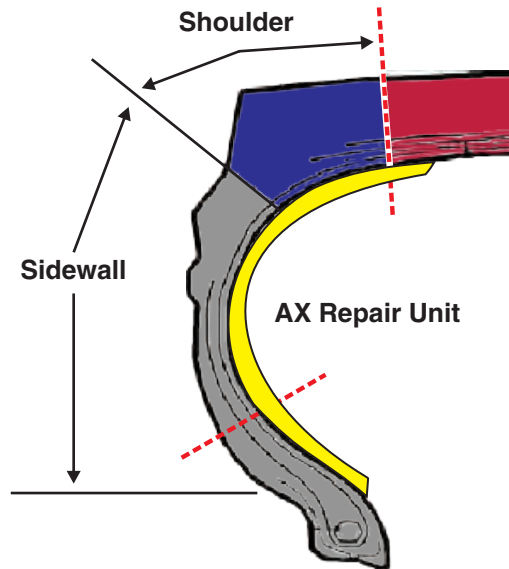
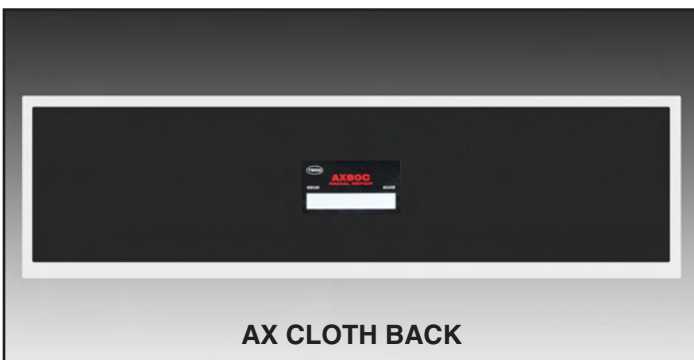
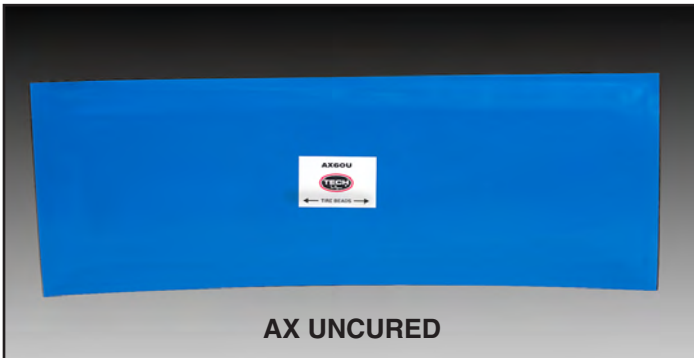
Chemical Repair Cat. No.	Thermacure Repair Cat. No.	Heat Cure Repair Cat. No.	Cloth Back Repair Cat. No.	Uncured Repair No.	Dimension Inches	Dimension mm	Box Quantity
CT45A	CT45AR	CT45AH	CT45AC	CT45AU	9 1/8 x 7 3/4	230 x 195	5
CT55A	CT55AR	CT55AH	CT55AC	CT55AU	13 x 10 1/4	330 x 260	3
CT65A	CT65AR	CT65AH	CT65AC	CT65AU	16 1/2 x 13	420 x 330	3
CT75A	CT75AR	CT75AH	CT75AC	CT75AU	20 3/4 x 17 3/4	535 x 450	1
CT85A	CT85AR	CT85AH	CT85AC	CT85AU	28 x 22	710 x 560	1

TECH AX Severe Service Radial Repairs

AX radial repairs are a 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*.

AX Severe Service repairs are available in Uncured or Cloth Back for tires up to 63" rim diameter. These repairs are recommended for all heat cure vulcanizing systems. For best results, use with Tech Tem-Vulc Black Cement.

*For more information refer to Tech's OTR Repair Manual, RMOTR.

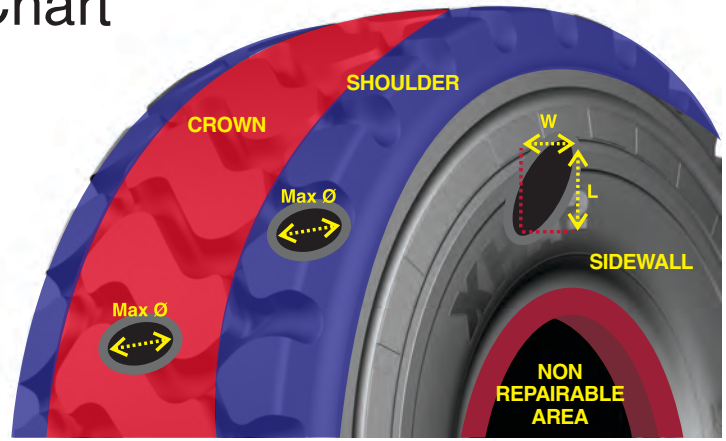


AX SEVERE SERVICE RADIAL OTR REPAIRS

Uncured Repair Cat. No.	Cloth Back Repair Cat. No.	Dimension Inches	Dimension mm	Box Quantity
AX50U	AX50C	8 x 19 1/8	200 x 486	6
AX60U	AX60C	8 1/2 X 24	215 X 610	6
AX80U	AX80C	9 1/2 X 28	240 X 710	3
AX100U	AX100C	11 X 31	280 X 790	3
AX120U	AX120C	11 X 35	280 X 890	3
AX140U	AX140C	14 1/2 X 46	370 X 1170	1
AX155U	AX155C	10 X 55	250 X 1400	1

TECH Radial OTR Repair Chart

Centech Aramid Reinforced Repairs



TIRE REPAIR PRODUCTS & REPAIR CHARTS



Sidewall Injury		Shoulder Injury	Earthmover Tire Sizes				Crown Injury
Width	Length	Diameter Ø	Inner liner removed on these sizes				Diameter Ø
Inches (mm)	Inches (mm)	Inches (mm)	14.00-16.00 15.5-20.5 20/65-30/65	18.00-21.00 23.5-26.5 35/65	24.00-30.00 29.5-37.5 40/65-45/65	33.00-40.00 48/95-59/80 50/65-65/65	Inches (mm)
3/8" (10mm)	3" (75mm)		42	42	42	44	3/8" (10mm)
3/8" (10mm)	4 3/8" (110mm)		42	42	44	44	3/4" (20mm)
3/4" (20mm)	2" (50mm)		45	45	45	45	
3/4" (20mm)	5 1/2" (140mm)		42	44	44	50	
3/4" (20mm)	8" (200mm)		46	46	46	50	1" (25mm)
		3/4" (20mm)	46	50	50	50	
			46	46	50	52	1 1/2" (40mm)
1" (25mm)	5" (125mm)		45	45	45	45	
1" (25mm)	8" (200mm)		46	46	46	50	2" (50mm)
		1" (25mm)	50	50	50	52	
			46	50	52	52	2 3/4" (70mm)
1 1/4" (30mm)	4" (100mm)		46	50	50	50	
1 1/4" (30mm)	10" (250mm)		50	50	52	56	4" (100mm)
			45	45	55	55	
1 1/2" (40mm)	3 1/2" (90mm)		46	50	52	52	5" (125mm)
1 1/2" (40mm)	10" (250mm)		50	50	52	56	
1 1/2" (40mm)	14" (350mm)		56	56	56	60	6 1/2" (165mm)
1 1/2" (40mm)	16" (400mm)	1 1/2" (40mm)	60	60	60	60	
1 3/4" (45mm)	6 1/2" (165mm)		50	50	52	52	6" (150mm)
1 3/4" (45mm)	10" (250mm)		52	52	52	56	
1 3/4" (45mm)	14" (350mm)		56	56	60	60	7" (175mm)
1 3/4" (45mm)	16" (400mm)		60	60	60	60	
2" (50mm)	7" (175mm)		55	55	55	65	8" (200mm)
2" (50mm)	10" (250mm)		50	52	52	52	
2" (50mm)	14" (350mm)		52	52	52	56	9" (225mm)
2" (50mm)	16" (400mm)		56	56	60	60	
2" (50mm)	19" (475mm)		60	60	60	60	10" (250mm)
		2" (50mm)	50	52	56	56	
			55	65	65	65	12 1/2" (315mm)
2 3/4" (70mm)	8" (200mm)		52	52	52	56	
2 3/4" (70mm)	10" (250mm)		56	56	56	60	14" (350mm)
2 3/4" (70mm)	13 1/2" (340mm)		56	60	60	60	
		2 1/2" (65mm)	56	56	72	72	16" (400mm)
		2 3/4" (70mm)	56	56	72	72	
3 1/2" (90mm)	7" (175mm)		52	52	56	56	18" (450mm)
3 1/2" (90mm)	8" (200mm)		52	56	56	72	
3 1/2" (90mm)	10" (250mm)		56	56	60	60	20" (500mm)
3 1/2" (90mm)	12 1/2" (315mm)		56	60	60	60	
		3 1/2" (90mm)	56	62	62	62	22" (550mm)
4" (100mm)	5 1/2" (140mm)		52	52	52	56	
4" (100mm)	7 1/2" (190mm)			56	56	72	24" (600mm)
4" (100mm)	10 1/2" (265mm)			62	62	62	
4 3/8" (110mm)	5" (125mm)		52	52	56	56	26" (650mm)
4 3/8" (110mm)	7" (175mm)			56	72	72	
4 3/8" (110mm)	10" (250mm)			62	62	62	28" (700mm)
4 3/4" (120mm)	4 1/2" (115mm)		52	52	56	56	
4 3/4" (120mm)	6" (150mm)			56	60	60	30" (750mm)
4 3/4" (120mm)	9" (225mm)			62	62	62	
					85	85	32" (800mm)
5" (125mm)	4" (100mm)			72	72	72	
5" (125mm)	5" (125mm)			60	60	60	34" (850mm)
5" (125mm)	7" (175mm)			60	60	60	
6" (150mm)	3" (75mm)			72	72	72	36" (900mm)
6" (150mm)	5 1/2" (140mm)			72	72	72	
					85	85	38" (950mm)
6 1/2" (165mm)	5" (125mm)			72	72	72	

CENTECH RADIAL/OTR NON-REPAIRABLE AREA

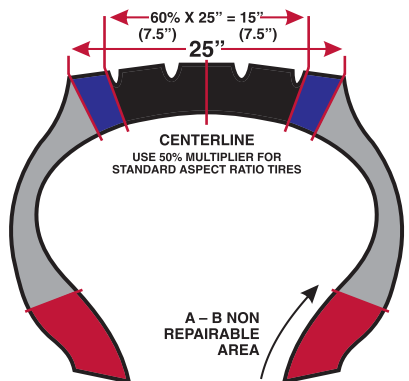
14.00-16.00 (15.5-17.5)	3", 75mm
18.00-24.00 (20.5-29.5)	5", 125mm
27.00-33.00 (33.25-37.5)	6", 150mm
40/65-50/65 (40.5)	6 3/4", 170mm
36.00	8", 200mm
37.00-40.00 (50.5 & larger)	10", 255mm

DETERMINING CROWN INJURY REPAIR AREA

Radial/OTR Crown Dimensions
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.

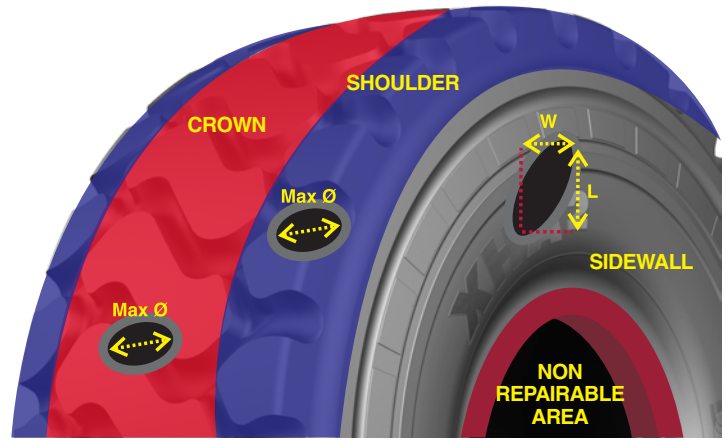
Wide Base Tire Size Example (29.5 R29):
If the tread face measures 25" (635mm) wide, 60% of that is 15" (375mm) - the crown area measurement, or 7.5" (190mm) on each side of the tread centerline. This is where the injury must be located to be considered as a crown area repair.



Repair Unit	Inches	Millimeters
CT42	5 x 10	125 x 250
CT44	5 x 13	125 x 330
CT45	9 1/8 x 7 3/4	230 x 195
CT46	5 1/2 x 16	140 x 405
CT50	7 1/2 x 19 3/4	190 x 500
CT52	10 x 22 1/2	250 x 570
CT55	13 x 10 1/4	330 x 260
CT56	10 1/2 x 29	265 x 735
CT60	10 1/2 x 34	265 x 860
CT62	12 3/4 x 40 1/2	325 x 1030
CT65	16 1/2 x 13	420 x 330
CT72	13 3/4 x 30	345 x 760
CT75	20 3/4 x 17 3/4	535 x 450
CT85	28 x 22	710 x 560

REPAIR UNITS SHOWN **BOXED IN RED** ARE LIMITED TO CROWN (T-T) AREA ONLY. ALL OTHERS SHOWN IN **RED** MAY BE USED FOR CROWN, SHOULDER OR SIDEWALL INJURIES.
NOTE: THIS SECTION REPAIR CHART IS A GUIDELINE ONLY. INCREASE REPAIR UNIT BY ONE (1) SIZE FOR TIRES USED IN SEVERE APPLICATIONS SUCH AS HAULAGE TRUCKS AND SCRAPERS. LOAD, SPEED AND HIGHWAY APPLICATION CAN AFFECT THE LIMITATIONS OF SECTION REPAIRS.

AX Aramid Reinforced Radial OTR Repair Chart Severe Service Repairs



Sidewall Injury		Shoulder Injury	Earthmover Tire Sizes				Crown Injury
			Inner liner removed on all severe service applicatons				
Width inches (mm)	Length inches (mm)	Diameter inches (mm)	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	Diameter inches (mm)
1 (25)	10 (250)	1 (25)	CT45A	CT45A	CT45A	CT45A	1 (25)
	1 1/4 (30mm)		AX50	AX60	AX80		
1 1/2 (40)	12 (300)	1 1/2 (40)	AX50	AX60	AX80		
	14 (350)		CT45A	CT55A	CT55A	CT55A	1 1/2 (40)
2 (50)	16 (400)	2 (50)	AX80	AX80	AX80		
	8 (200)		CT55A	CT55A	CT55A	CT65A	2 (50)
2 1/2 (65)	11 (275)	2 1/2 (65)	AX50	AX80	AX100	AX120	
	14 (350)		AX60	AX80	AX100	AX120	
2 3/4 (70)	18 (450)	2 3/4 (70)	AX50	AX80	AX100	AX120	
	6 (150)		CT55A	CT65A	CT65A	CT65A	2 1/2 (65)
3 (75)	14 (350)	3 (75)	AX50	AX100	AX120	AX140	
	16 (400)		AX50	AX100	AX140	AX140 or AX155*	
3 1/4 (85)	16 1/2 (420)	3 1/4 (85)	AX60	AX80	AX100	AX120	
	5 1/2 (140)		CT65A	CT75A	CT75A	CT75A	3 (75)
3 1/2 (90)	11 (275)	3 1/2 (90)	AX50	AX80	AX100	AX120	
	12 (300)		AX60	AX100	AX140	AX140 or AX155*	
4 (100)	16 (400)	4 (100)	AX60	AX80	AX100	AX120	
	7 1/2 (190)		CT75A	CT75A	CT75A	CT75A	3 1/2 (90)
4 1/2 (115)	9 (225)	4 1/2 (115)	AX80	AX100	AX120	AX140	
	12 (300)		AX60	AX100	AX120	AX140	
5 (125)	12 (300)	5 (125)	AX80	AX100	AX120	AX140	
	16 (400)		CT75A	CT75A	CT75A	CT75A	4 (100)
6 (150)	11 (275)	6 (150)	AX60	AX100	AX120	AX140	
	10 1/2 (265)		AX80	AX100	AX120	AX140	
5 1/2 (140)	5 (125)	5 1/2 (140)	AX80	AX100	AX120	AX140	
	7 (175)		CT85A	CT85A	CT85A	CT85A	5 (125)
6 (150)	3 (75)	6 (150)	AX120	AX120	AX140	AX140	
	5 (125)		AX120	AX120	AX140	AX140	
6 1/2 (165)	3 (75)	6 1/2 (165)	AX120	AX140	AX140	AX140	
	5 (125)		AX120	AX140	AX140	AX140	

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)

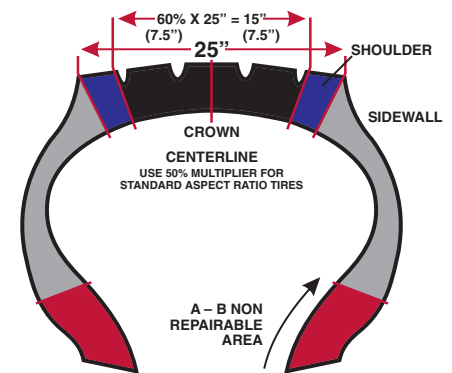
Crown is defined as 50% of tread face for standard aspect ratio tire sizes and 60% of tread face for wide base sizes. All measurements are taken on the outside surface of the tire.

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.



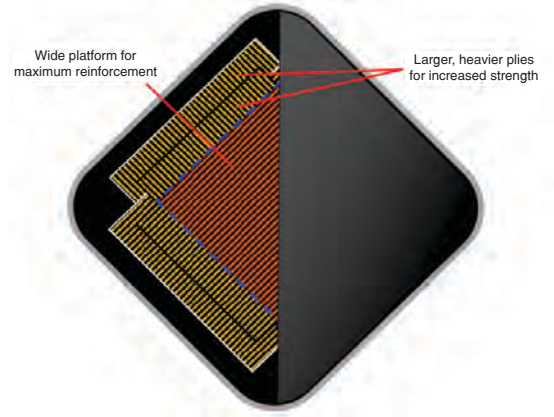
Repair Unit	REPAIR UNIT DIMENSIONS	
	inches	mm
CT45A	9 1/8 X 7 3/4	230 X 195
CT55A	13 X 10 1/4	330 X 260
CT65A	16 1/2 X 13	420 X 330
CT75A	20 3/4 X 17 X 3/4	535 X 450
CT85A	28 X 22	710 X 560
AX50	5 1/2 x 20 1/2	140 x 520
AX60	8 1/2 x 24	215 x 610
AX80	9 1/2 x 28	240 x 710
AX100	11 x 31	280 x 790
AX120	11 x 35	280 x 890
AX140	14 1/2 x 47	370 x 1190
AX155	10 x 55	250 x 1400

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

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

TECH Off Road (TOR) Bias OTR Repairs

Tech TOR's repair injuries up to 11", 275mm in 60plus ply rated tires. One-piece construction reduces repair costs and increases productivity by providing easier installation, eliminating the need for piggybacking repairs. Specially designed plies 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. Tech is pleased to offer a complete line of TOR repairs suited for every type of curing system in the industry.



TOR CHEMICAL REPAIRS

TOR Chemical repairs with gray chemical cushion gum are recommended for tires vulcanized with spotters or press systems. The repair unit is installed with Tech Chemical Vulcanizing Fluid or Heavy Duty Blue Cement after the filler rubber has been cured.



TOR THERMACURE REPAIRS

TOR Thermacure repairs with soft black cushion gum 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. In heat cure applications the repair unit may also be installed using Tech Tem-Vulc Black Cement.

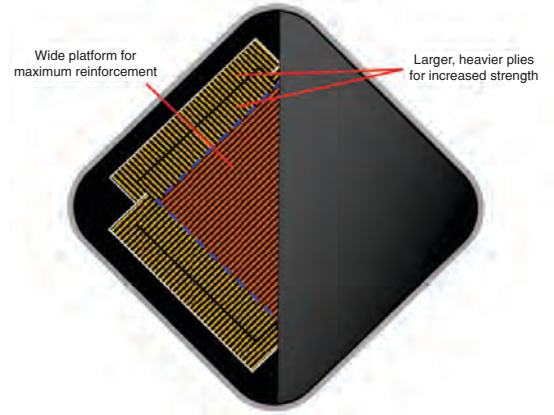


TOR CLOTH BACKED REPAIRS

TOR Cloth Backed repairs are produced on a special cloth backing material. When removed, this provides optimum bonding surface texture. For best results, use with Tech Tem-Vulc Black Cement and Vul-Gum cushion gum. Cloth backed repairs have a 5 year shelf life.



TECH Off Road (TOR) Bias OTR Repairs



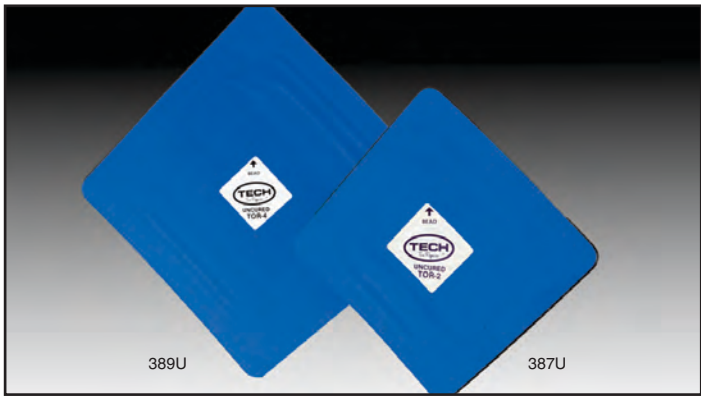
TOR HEAT CURE REPAIRS

TOR 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.



TOR UNCURED REPAIRS

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



BIAS TOR REPAIRS

Chemical Repair Cat. No.	Thermacure Repair Cat. No.	Heat Cure Repair Cat. No.	Cloth Back Repair Cat. No.	Uncured Repair Cat. No.	Diagonal Dimension inches	Diagonal Dimension mm	Plies	Box Quantity
TOR1	TOR1R	TOR1H	TOR1C	TOR1U	9 3/4	250	2	10
TOR2	TOR2R	TOR2H	TOR2C	TOR2U	11 1/2	290	4	10
TOR3	TOR3R	TOR3H	TOR3C	TOR3U	12 1/4	310	4	5
TOR4	TOR4R	TOR4H	TOR4C	TOR4U	15	380	6	5
TOR5	TOR5R	TOR5H	TOR5C	TOR5U	18 3/4	475	6	5
TOR6	TOR6R	TOR6H	TOR6C	TOR6U	21 3/8	545	6	3
TOR7	TOR7R	TOR7H	TOR7C	TOR7U	24 1/4	615	8	1
TOR8	TOR8R	TOR8H	TOR8C	TOR8U	27 1/4	690	8	1
TOR9	TOR9R	TOR9H	TOR9C	TOR9U	30	760	10	1
TOR10	TOR10R	TOR10H	TOR10C	TOR10U	32 3/4	830	10	1
TOR11	TOR11R	TOR11H	TOR11C	TOR11U	34 1/4	870	10	1

TECH Off Road (TOR) & Bias Skidder Repair Chart

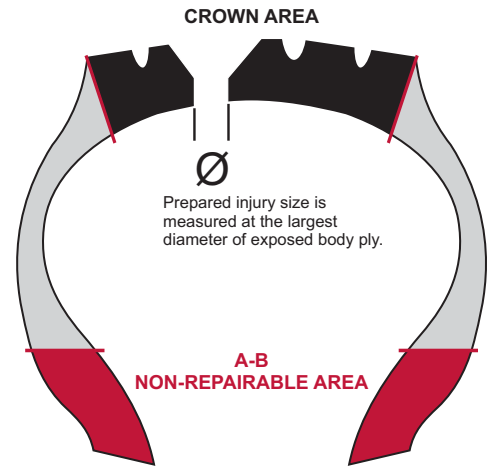


CHART INSTRUCTIONS: For proper repair unit selection, determine the size of the injury in the tire by measuring largest cord area removed. Locate the correct injury size along the top row of the chart. Now locate the tire's ply rating (load range) along the left column of the same chart. The repair unit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

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

BIAS SKIDDER TIRE (SK) REPAIR CHART



PREPARED INJURY SIZE

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

FOR 6 TO 8 PLY RATED TIRES AND INJURIES SMALLER THAN SHOWN ON THIS CHART, REFER TO BPT CHART ON PAGE 13. *CROWN AREA INJURIES ONLY.

SKIDDER A-B NON-REPAIRABLE AREA

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

OTR A-B NON-REPAIRABLE AREA

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

BIAS OTR TIRE (TOR) REPAIR CHART



PREPARED INJURY SIZE

CROWN INJURIES ONLY

PLY RATING (LOAD RANGE)	Inches mm	1/2" 13	1" 25	1.5" 40	2" 50	2.5" 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		

TECH Rope Rubber

Tech TRR and LRR rope rubber are produced with a high quality natural rubber compound which provides excellent extrusion and workability, maximum adhesion to the tire, and outstanding wear and weather resistance. Tech rope rubber is packaged in 15 pound plastic pails for maximum protection during transport and storage.

TECH ROPE RUBBER

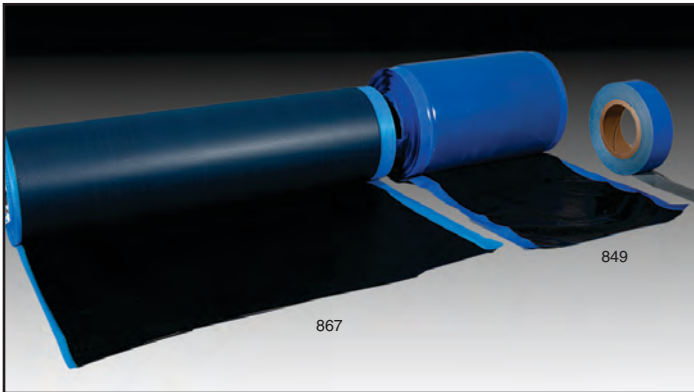


Cat. No.	Description	Specifications	Pkg. Qty.
LRR	ROPE RUBBER 3/8" (10mm) diameter for sidewall applications	RMA Cure Class 20C Shore Hardness 60+/- 3 Tensile 2700 minimum Modulus 800 minimum Elongation 400 minimum	15 lbs., 6.8kg
TRR	ROPE RUBBER 3/8" (10mm) diameter for tread applications	RMA Cure Class 20C Shore Hardness 65+/- 3 Tensile 2700 minimum Modulus 1100 minimum Elongation 450 minimum	15 lbs., 6.8kg
S182	EXTRUDER GUN	110V (220V available by special order)	1

TECH Vul-Gum

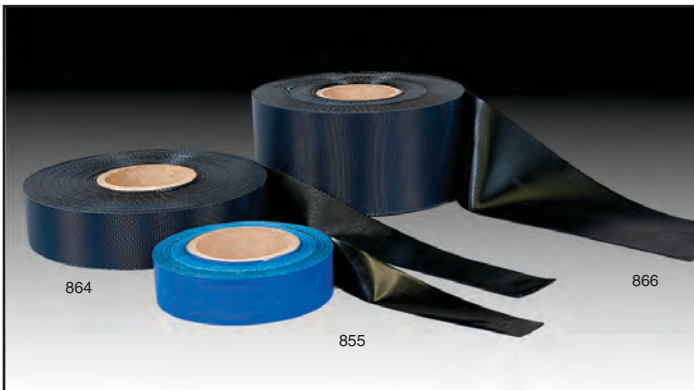
Tech Vul-Gum cushion gum natural rubber compound provides excellent adhesion to prepared rubber surfaces. Suitable for floating repair units, filling skives, or spot repairs. RMA cure class 20A, 20 minutes at 280°F (138°C).

VUL-GUM CUSHION GUM



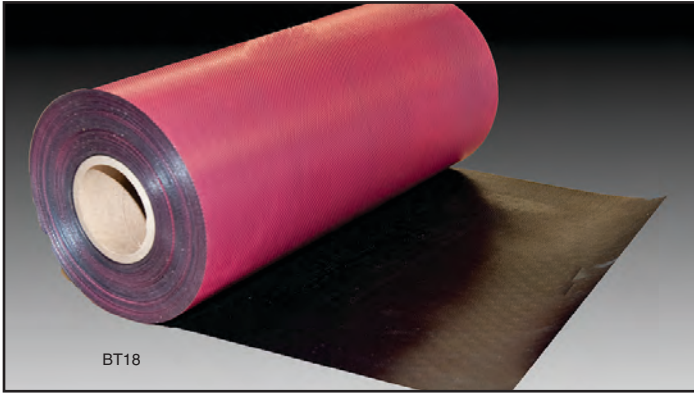
Cat. No.	Gauge & Width (mm / inches)	Weight/Roll (kg / lb.)	Rolls/ Box
849	6 x 150 / 1/4 x 6	4.5 / 10	1
850	3 x 150 / 1/8 x 6	4.5 / 10	1
862	3 x 475 / 1/8 x 19	6.8 / 15	1
867	1.5 x 475 / 1/16 x 19	6.8 / 15	1
868	0.8 x 475 / 1/32 x 19	6.8 / 15	1
869	3 x 750 / 1/8 x 30	6.8 / 15	1
870	1.5 x 750 / 1/16 x 30	6.8 / 15	1

VUL-GUM STRIPPING STOCK



Cat. No.	Gauge & Width (mm / inches)	Weight/Roll (kg / lb.)	Rolls/ Box
855	0.4 x 40 / 1/64 x 1 1/2	0.5 / 1	5
861	3 x 25 / 1/8 x 1	0.9 / 2	9
863	1.5 x 25 / 1/16 x 1	0.9 / 2	9
864	1.5 x 50 / 1/16 x 2	1.8 / 4	4
865	1.5 x 75 / 1/16 x 3	2.7 / 6	3
866	1.5 x 100 / 1/16 x 4	3.6 / 8	2

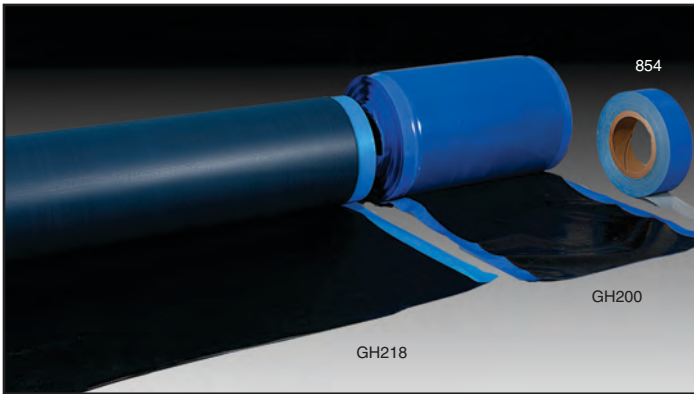
TECH Fabric Reinforced Rubber



FABRIC REINFORCED RUBBER CUSHION GUM

Cat. No.	Description	Gauge & Width (mm / inches)	Weight/Roll (kg / lb.)	Rolls/Box
BT18	Square Woven Nylon	1.5 x 425 / 1/16 x 19	11.5 / 25	1
BN18	1 Ply Nylon Cord	0.8 x 425 / 1/32 x 19	11.5 / 25	1
TCG	1 Ply Nylon Cord	0.8 x 660 / 1/32 x 26	11.5 / 25	1

TECH Butyl Gum & Chemical Cure Rubber



HEAT CURE INNER LINER REPAIR GUM

Cat. No.	Description	Gauge & Width (mm / inches)	Weight/Roll (kg / lb.)	Rolls/Box
BTLG-125/10#	Butyl Gum	0.8 x 425 / 1/32 x 19	4.5 / 10	1
848	Butyl Gum	0.8 x 100 / 1/32 x 4	4.5 / 10	1

CHEMICAL CURE INNER LINER REPAIR GUM

Cat. No.	Description	Gauge & Width (mm / inches)	Weight/Roll (kg / lb.)	Rolls/Box
GH100	Chemical Cushion Gum	0.8 x 150 / 1/32 x 6	2.72 / 6	1
GH200	Chemical Cushion Gum	0.8 x 225 / 1/32 x 9	5 / 11	1
GH218	Chemical Cushion Gum	0.8 x 450 / 1/32 x 18	5 / 11	1

CHEMICAL CURE STRIPPING STOCK

Cat. No.	Description	Gauge & Width (mm / inches)	Weight/Roll (kg / lb.)	Rolls/Box
854	Gray Chemical Gum	0.4 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.

A & B COMPOUND TWO-PART CHEMICAL CURE FILLER RUBBER

Cat. No.	Description
858	A & B COMPOUND, set of two 0.5kg, 1 lb. cans
859	A & B COMPOUND, set of two 0.9kg, 2 lb. cans

TECH Tire Repair Chemicals

Tech Chemical Vulcanizing Fluid and Rub-O-Matic contain no CFC's and are more environmentally friendly than chemicals with CFC's. Rub-O-Matic removes contamination from the inner liner quickly and easily. Tech's Atomizer is a refillable, rechargeable sprayer which uses clean, dry air as the propellant for Tech chemicals. Fast-drying Tech Chemical Vulcanizing Fluid cures tire and tube repairs with or without heat.



Heavy Duty Blue Vulcanizing Fluid is an extra thick vulcanizing fluid for hot or cold application. This formula 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.

Tech offers both solvent-based and water-based inner liner repair sealants, which restore overbuff areas on tubeless tire inner liners. Tech-Chek concentrate detects hard to locate leaks.

RUB-O-MATIC

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

TECH VULCANIZING FLUIDS

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

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

TECH VULCANIZING FLUIDS

Cat. No.	Description
775	HEAVY DUTY BLUE VULCANIZING FLUID 8 oz., 235ml can with brush cap
776	HEAVY DUTY BLUE VULCANIZING FLUID 1 qt., 945ml can with brush cap
777	HEAVY DUTY BLUE VULCANIZING FLUID, 1 gal., 3.8 liter
1082	TEMVULC brush type vulcanizing and retread cement for heat vulcanizing applications. 1 qt., 945ml can
1082G	TEMVULC BLACK CEMENT, 1 gal., 3.8 liter
1082-5G	TEMVULC BLACK CEMENT, 5 gal., 19 liter
1082-55G	TEMVULC BLACK CEMENT, 55 gal., 209 liter
968LB	ALUMINUM CEMENT DISPENSER with long brush, 1 qt., 945ml
968RLB	REPLACEMENT LID AND BRUSH for 968LB

TECH CHEMICALS

Cat. No.	Description
738	SECURITY COAT overbuff inner liner sealant, 16 fl. oz., 470ml
738G	SECURITY COAT, 1 gal., 3.8 liter
739	BUTYL LINER REPAIR SEALER, 32 oz., 945ml can with brush cap
706-1	TIRE TALC, 1 lb., .5kg
751	TECH-CHEK concentrate, 1 qt., 945ml bottle
751-5G	TECH-CHEK concentrate, 5 gal., 19 liter
751-55G	TECH-CHEK concentrate, 55 gal., 209 liter
969	SPRAY BOTTLE, 16 oz., 470ml

TECH

2-Way Tube Repairs* & All Purpose Repairs

Tech 2-Way tube repairs are the finest made today. Every repair is permanent and safe, and the repair is twice as strong as the tube itself. Tech makes round and oval repairs for any size injury, on or off the road. Tech is the pioneer of self-vulcanizing repairs, so you can depend on high quality Tech repairs throughout the line.

Tech All-Purpose repairs are designed for use in radial and bias tires. New compounding and thicker rubber helps to resist dimpling. Tech All-Purpose repairs can also be used for tube repairing.

*Patent No. 2,582,770



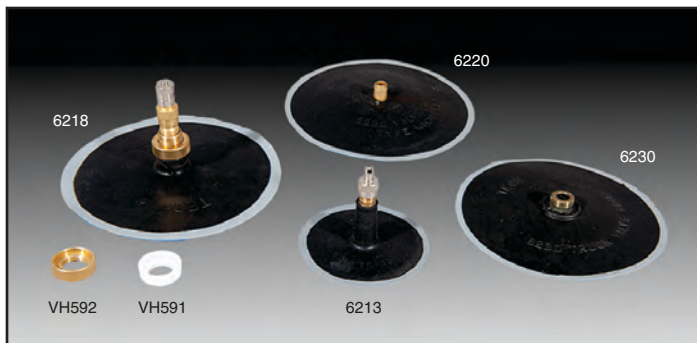
ROUND 2-WAY TUBE REPAIRS

Cat. No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.
09	TINY ROUND	25	1	140
10	MINI ROUND	35	1 ³ / ₈	50
11	SMALL ROUND	45	1 ³ / ₄	40
12	MEDIUM ROUND	60	2 ¹ / ₄	30
13	LARGE ROUND	80	3 ¹ / ₈	20
14	MAXI ROUND	100	4	20
15	GIANT ROUND	125	5	10
10T	MINI ROUND TUB	35	1 ³ / ₈	200
11T	SMALL ROUND TUB	45	1 ³ / ₄	160
12T	MEDIUM ROUND TUB	60	2 ¹ / ₄	100
13T	LARGE ROUND TUB	80	3 ¹ / ₈	75



OVAL 2-WAY TUBE REPAIRS

Cat. No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.
16	MINI OVAL	40 x 30	1 ¹ / ₂ x 1 ¹ / ₈	100
17	SMALL OVAL	65 x 40	2 ¹ / ₂ x 1 ¹ / ₂	30
18	MEDIUM OVAL	100 x 50	4 x 2	20
19	LARGE OVAL	150 x 70	6 x 2 ³ / ₄	20
20	GIANT OVAL	160 x 100	6 ¹ / ₄ x 4	10
16T	MINI OVAL TUB	40 x 30	1 ¹ / ₂ x 1 ¹ / ₈	200
17T	SMALL OVAL TUB	65 x 40	2 ¹ / ₂ x 1 ¹ / ₂	120



TUBE REPLACEMENT VALVES

Cat. No.	TR No.	Description	Box Qty.
6213	13	PASSENGER VALVE for .453 rim hole, 2 ¹ / ₂ ", 63mm base diameter	10
6214	-	RIM HOLE BUSHING for .625 rim hole, protects tube valve	50
6218	218	AIR/LIQUID TRACTOR VALVE 4 ¹ / ₄ ", 110mm base diameter	10
6220	-	MICHELIN VALVE SPUD 4 ¹ / ₄ ", 110mm base diameter	5
6230	-	TRUCK VALVE SPUD 4 ¹ / ₄ ", 110mm base diameter	5
VH591	-	PLASTIC RIM NUT for 6218	
VH592	-	BRASS RIM NUT for 6218	



TECH ALL-PURPOSE REPAIRS

Cat. No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.
111	AP8 ROUND ALL PURPOSE	65	2 ¹ / ₂	50
115	AP4.5 SQUARE ALL PURPOSE	45	1 ³ / ₄	100
116	AP6 SQUARE ALL PURPOSE	55	2 ¹ / ₄	80
117NB	NAIL BUSTER double pack	Contains [40] 115 All Purpose square repairs and [30] 116 All Purpose square repairs		

TECH Permacure® Inside/Outside Reinforced Repairs & Repair Kits

Tech Permacure repairs utilize an exclusive nylon reinforced design that makes applying repairs easier, virtually eliminating cutting and resulting in less labor time and a durable repair, which permanently vulcanizes through the tire injury.

Tech's unique cushion gum flows and cures into cracks and crevices, and actually vulcanizes to the tire itself. Permacure II repair units are excellent for smaller injuries.

Permacure and Permacure II repairs can be used in the crown of all radial and bias tubeless passenger and truck tires - as well as the crown, shoulder and sidewall areas of all radial and bias tubeless agricultural, ATV and off-the-road tires.

Permacure repairs can be used as an injury filler material and then backed up with the appropriate repair unit.

Note: Industry recommendations state that the tire should be demounted and repaired from the inside using suitable rubber vulcanizing material and appropriate repair unit on the inner liner.



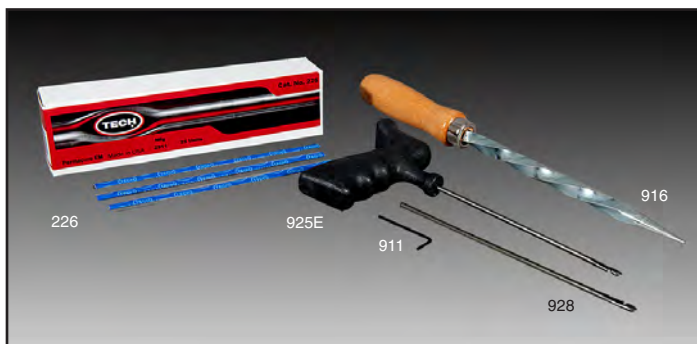
PERMACURE & PERMACURE II REPAIRS

Cat. No.	Description	Box Qty.
220	PERMACURE II REPAIRS, 3/4", 95mm	50
222	PERMACURE REPAIRS, 3/4", 95mm	50
911	PERMACURE WRENCH, 2mm	
915	SPIRAL CEMENT TOOL	
925	PERMACURE PASSENGER TOOL	
926	PERMACURE PASSENGER REPLACEMENT NEEDLE	



PERMACURE TRUCK REPAIRS

Cat. No.	Description	Box Qty.
224	PERMACURE REPAIRS, 5 1/8", 130mm	40
270	CARBIDE CUTTER	
911	PERMACURE WRENCH, 2mm	
915	SPIRAL CEMENT TOOL	
925T	PERMACURE TRUCK TOOL	
927	PERMACURE TRUCK REPLACEMENT NEEDLE	



PERMACURE EARTHMOVER REPAIRS

Cat. No.	Description	Box Qty.
226	PERMACURE REPAIRS, 7 1/2", 190mm	25
911	PERMACURE WRENCH, 2mm	
915	SPIRAL CEMENT TOOL	
916	GIANT SPIRAL CEMENT TOOL	
925E	PERMACURE EARTHMOVER TOOL	
928	PERMACURE EARTHMOVER REPLACEMENT NEEDLE	



PERMACURE KITS

No. 215 PERMACURE REPAIR KIT BOX 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



No. 216 PERMACURE TRUCK REPAIR KIT BOX 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



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.

Tech Insert-O-Matic tool (Cat. No. 920) and Insert-O-Mates (Cat. No. 203) make inserting repairs fast and easy. Insert-O-Mates fit on the end of the Insert-O-Matic tool, allowing the insert to be easily applied into the tire.

Note: Industry recommendations state that the tire should be demounted and repaired from the inside using suitable rubber vulcanizing material and appropriate repair unit on the inner liner.



Actual cross-section photo of an insert in a steel belted radial tire that was run 50,000 miles (81,000km) on a test wheel. The repair unit was still securely in place and tire remained leak-free.



FLOW-SEAL INSERTS

Cat. No.	Description	Box Qty.
203	INSERT-O-MATE PLASTIC TIPS	20
204	ROUND INSERTS, 2", 50mm	40
206	OVAL INSERTS, 2", 50mm	40
903	STEEL T-HANDLE CUTTER	
903RC	REPLACEMENT STEEL CUTTER	
915	SPIRAL CEMENT TOOL	
920	INSERT-O-MATIC TOOL	
921	PASSENGER REPLACEMENT NEEDLE	



FLOW-SEAL INSERTS

Cat. No.	Description	Box Qty.
208	ROUND TRUCK INSERTS, 3¾", 95mm	20
209	OVAL TRUCK INSERTS, 3¾", 95mm	40
903	STEEL T-HANDLE CUTTER	
903RC	REPLACEMENT STEEL CUTTER	
920	INSERT-O-MATIC TOOL	
923	INSERT-O-MATIC TRUCK NEEDLE	



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



FLOW-SEAL INSERTS

Cat. No.	Description	Box Qty.
211	ROUND INSERTS, 7½", 190mm	25
212	OVAL INSERTS, 9", 225mm	15
217	GIANT OVAL INSERTS, 8¼", 210mm	10
905	HEAVY DUTY INSERT TOOL, 9", 225mm	
916	GIANT SPIRAL CEMENT TOOL	



TECH Repair Kits

NAILHOLE INSERTS & REPAIR KITS



Tech offers an exciting array of repair kits, each designed for a specific repair application. Each kit contains all the necessary products to assure a complete, permanent repair.

MOTORCYCLE, ATV & TIRE REPAIR KITS

No. 880 MOTORCYCLE TUBELESS TIRE REPAIR KIT for shop use, contains:

- 1 Box – No. 249UL Uni-Seal Ultras
 - 1 Box – No. 250UL Uni-Seal Ultras
 - 1 – 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
- Packed in a heavy-duty plastic box with handle

No. 885 ATV REPAIR KIT contains:

- 8 – No. 220 Permacure repairs
- 2 – 16g CO2 cartridges*
- Brass CO2 discharge fitting**
- 1 – T-handle spiral cement tool with insert needle
- 1 – 10ml tube Tech Chemical Vulcanizing Fluid
- All in an easy carry pouch

*GC16 – 16g CO2 replacement cartridges available.

**PSVA – Brass CO2 discharge fitting replacement available.

No. 883 TUBELESS ON-THE-WHEEL ATV CONSUMER KIT contains:

- 10 – No. 204 Flow-Seal Inserts
- 1 – 10ml tube Vulcanizing Fluid
- 1 – No. 900 insert tool

No. 872 MOTOR KIT NO. 2 (not shown) contains:

- 8 – No. 11 tube repairs
- 2 – No. 12 tube repairs
- 2 – No. 17 tube repairs
- 1 – No. 18 tube repairs
- 1 – 20ml tube Vulcanizing Fluid
- 1 – metal buffer

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:

- 1 Box – No. 249UL Uni-Seal Ultras
- 1 Box – No. 250UL Uni-Seal Ultras
- 1 – No. 269 1/8" (3mm) carbide cutter
- 1 – No. 270P 1/4" (6mm) carbide cutter
- 1 – No. TRT105 Injury Measuring Tool
- 1 – No. 704A Rub-O-Matic aerosol
- 1 – No. 738 Security Coat
- 1 – No. 760 Chemical Vulcanizing Fluid
- 1 – No. S1032 Air Buffer 2,600 RPM with exhaust kit & quick chuck
- 1 – No. S1040 Quick Change Adaptor for 270 carbide cutter
- 1 – No. S1043 Quick Change Adaptor for 269 carbide cutter
- 2 – No. S1046 Quick Change Adaptor for S893 and S2027
- 1 – No. S893 1 1/2" (40mm) texture brush
- 1 – No. RH140 contour wheel
- 1 – No. 910 cement tool
- 1 – No. 911 allen wrench for quick adaptors
- 1 – No. 913 slip joint pliers
- 1 – No. 915 spiral cement tool
- 1 – No. 933 rubber scraper
- 1 – No. 936 1/8" (3mm) stitcher
- 1 Box – No. 951 white paint sticks, 12 pack
- 1 – No. S923 safety glasses
- 1 – No. TK knife
- 1 – No. RM-4 repair manual
- 1 – No. 111TM repair template

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:

- 1 Box – No. 170 (CT-20) radial repairs
- 1 Box – No. 166 (CT-12HD) radial repairs
- 1 Box – No. ULS8 (251-1UL) 5/16" (8mm) Uni-Seal Stems
- 1 Box – No. ULS10 (291-1UL) 3/8" (10mm) Uni-Seal Stems
- + ■ 1 – No. 271 1/4" (6mm) carbide cutter
- + ■ 1 – No. 271/38 3/8" (10mm) carbide cutter
- + ■ 1 – No. TRT105 Injury Measuring Tool
- 1 – No. 704A Rub-O-Matic aerosol
- 1 – No. 738 Security Coat
- 1 – No. 760 Chemical Vulcanizing Fluid
- 1 – No. S1032 Air Buffer 2,600 RPM with exhaust kit & quick chuck
- + ■ 1 – No. S1035 Air Drill 500 RPM with exhaust kit and quick chuck
- + ■ 1 – No. S1041 Quick Change Adaptor for 271 carbide cutter
- + ■ 1 – No. S1041/38 Quick Change Adaptor for 271/38 carbide cutter
- + ■ 2 – No. S1047 Quick Change Adaptor
- + ■ 1 – No. S892 3" (75mm) soft wire brush
- + ■ 1 – No. RH107 Rubberhog flared buffing wheel
- + ■ 1 – No. RH152 Rubberhog flared buffing wheel
- + ■ 1 – No. 911 allen wrench for quick adaptors
- + ■ 1 – No. 912 allen wrench for air tools
- + ■ 1 – No. 913 slip joint pliers
- + ■ 1 – No. 915 spiral cement tool
- + ■ 1 – No. 919 pointed awl
- + ■ 1 – No. 933 rubber scraper
- + ■ 1 – No. 936 1/8" (3mm) stitcher
- + ■ 1 – No. 940 skiving knife
- 1 Box – No. 951 white paint sticks, 12 pack
- + ■ 1 – No. S923 safety glasses
- 1 – No. 170TM repair template for 170
- 1 – No. 170TM repair template
- + ■ 1 – No. RM-5 repair manual

No. 896NHTK TRUCK NAIL HOLE (TOOLS ONLY) KIT. Contains all items marked above with a "+" and also:

- 1 – No. 896 plastic tool box
- 1 – No. CP873K low speed tire buffer with exhaust kit
- 1 – No. 939 1/4" (6mm) stitcher
- 1 – No. RM-4 repair manual
- 1 – No. ODEC5 5/2" oval decal
- 1 – No. 973 chrome vanadium diagonal pliers
- 1 – No. 270 1/4" (6mm) carbide cutter
- 1 – No. S1040 Quick Change Adaptor for 270 carbide cutter

TECH Storage Cabinets and Professional Repair Tool Station

TECH 100 LOCKING REPAIR CABINET



Cat. No.	Description
100	<p>The new Tech 100 Tire Repair Cabinet has been redesigned to better organize and secure all the Tech recommended products for proper tire repair. The cabinet features double locking front doors with Tech Tire Repair logos on the exterior, wider and taller shelves for increased repair storage capacity, and an additional exterior shelf with 4 cutouts for air tool storage.</p> <p>TOOLS AND REPAIR MATERIALS SOLD SEPARATELY.</p> <p>Dimensions: 30" x 24" x 11.5" (760mm x 610mm x 295mm) Weight: 27.5lbs. (12.45kg)</p> <p>Inner Door Labeled Tool Bars store:</p> <ul style="list-style-type: none"> ■ No. TRT105 Measuring Tool ■ No. 933 Rubber Scraper ■ No. RH140 Buffing Wheel ■ No. 269, 270 & 271 Carbide Cutters ■ No. S893 Wire Brush ■ No. 910 Fluted Cement Tool ■ No. 915 Spiral Cement Tool ■ No. 913 Pliers ■ No. 973 Diagonal Side Cutting Pliers ■ No. 938 Stitcher

TECH 500 PROFESSIONAL REPAIR TOOL STATION



Cat. No.	Description
500	<p>Tech's 500 Repair Station is recommended for any full service repair facility. This tool organizer neatly stores all the recommended knives, buffing rasps and wheels, texture brushes, encapsulated brushes, carbide burrs, and aluminum oxide stones for the full range of radial and bias tire repairs. Repair templates or chemicals can be stored inside. The box now comes assembled with optional air tool hanging bracket and mounting hardware included.</p> <p>TOOLS AND REPAIR MATERIALS SOLD SEPARATELY.</p> <p>Dimensions: 15" x 12" x 12" Weight: 10.5lbs., 4.8kg</p>

AIR TOOLS & RETREAD TOOLS



Cat. No.	Description
S999	<p>QUICK SPIFF AIR POWERED VACUUM Self contained one piece vacuum comes with 16", 400mm hose, 3", 75mm dust brush and 9", 225mm crevice tool.</p>
410SV	<p>SAFETY BLOW GUN, 150 psi max. pressure</p>

TECH

Hand Tools for Tire Repair

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

STITCHERS AND SCRAPERS



Cat. No.	Description
933	RUBBER SCRAPER
935	STITCHER/BUFFER
936	STITCHER, 1½", 38mm x 1/8", 3mm
938	STITCHER, 1½", 38mm x 1/32", 0.8mm
939	STITCHER, 2", 50mm x 1/4", 6mm

INSERT TOOLS



Cat. No.	Description
900	INSERT TOOL, 3", 75mm
901	INSERT TOOL, 6", 150mm
905	HEAVY DUTY INSERT TOOL, 9", 225mm
920	INSERT-O-MATIC TOOL
921	PASSENGER REPLACEMENT NEEDLE
923	INSERT-O-MATIC TRUCK NEEDLE

MISCELLANEOUS TIRE REPAIR TOOLS



Cat. No.	Description
913	SLIP JOINT PLIERS, 8", 200mm
973	DIAGONAL PLIERS, 6", 150mm
931	WIRE BUFFER for rim/battery terminal
949	CRAYON HOLDER, designed to fit Tech's hex tire paint marking crayons
966	WHITEWALL CLEANING BRUSH with brass bristles
974	INNERLINER BRUSH with stainless steel bristles
SIP	SILVER INK PEN, 12 per box
TRT105	COLOR CODED INJURY MEASURING TOOL

AWLS AND PACKING TOOLS



Cat. No.	Description
910	3" CEMENT TOOL with polypropylene handle
915	SPIRAL CEMENT TOOL
918	DUCK BILL AWL, 4", 100mm length
919	POINTED AWL, 8", 200mm length (screwdriver-style handle)
985	SKIVE PACKING TOOL, 2", 50mm x 1/4", 6mm
986	SKIVE PACKING TOOL, 2", 50mm x 3/8", 10mm