

TIRE REPAIR CATALOGUE



The Professional's Choice for Tire Repair Since 1928

truflexpangeurope.com





Find out why we are...

THE PROFESSIONAL'S CHOICE

- Products are tested on DOT test wheels
- Products meet and exceed international repair standards
- Products are supported by a network of highly trained technicians and distributors
- Products last the life of the tire when repaired



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TRUFLEX™/PANG **Tire Repair System**







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

Look for this icon throughout our catalog that identifies the repairs and chemicals which are components of Truflex/PANG's proprietary repair system.

Maxi-Seal – Quick, Safe, Permanent Repairs

- Lead wire pull-through patch/plug combination repair
- New design innovations combined with new rubber compounding and construction
- Stronger and more resilient repair in one simple step
- Maximum adhesion - self-vulcanizing stem + black Versacure cushion gum
- Exceeds all tire manufacturers' standards for repairing and meets all global industry standards
- Suitable for radial & bias tires
- Use with 608F Super Solution






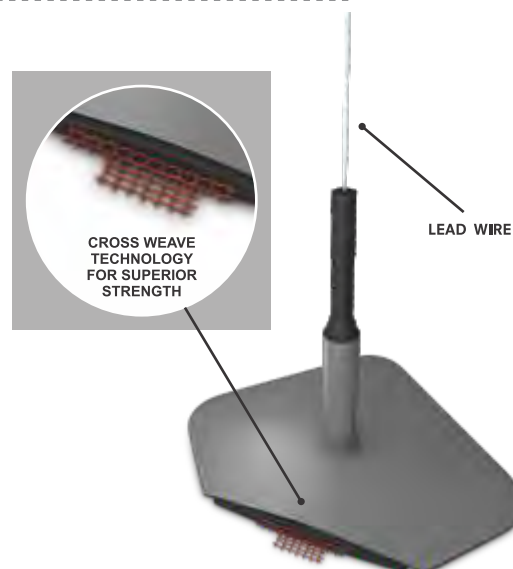
Item No.	Description	Prepared Injury Size mm / in.	Box Qty.				
M3	MAXI-SEAL REPAIR	3 / 1/8	48	•	•	•	•
M4.5	MAXI-SEAL REPAIR	4.5 / -	24	•	•	•	•
M6	MAXI-SEAL REPAIR	6 / 1/4	24	•	•	•	•
M8	MAXI-SEAL REPAIR	8 / 5/16	24			•	•
M10	MAXI-SEAL REPAIR	10 / 3/8	10			•	•

Maxi-Seal XP

- Unique multi-layer cross-weave reinforcement for radial and bias tires
- Major section repair solution with a lead wire
- Reinforced combination repair manufactured as a single integrated unit
- Performance and speed of installation (save time and money)
- Full international industry standard repair solution in a single unit
- Use with 608F Super Solution



Item No.	Description	Prepared Injury Size mm / in.	Box Qty.			
M10XP	MAXI-SEAL XP REPAIR	10 / 3/8	10	•	•	•
M13XP	MAXI-SEAL XP REPAIR	13 / 1/2	10	•	•	•







Maxi-Stems



- Rubber insert with lead wire
- Easy-to-use injury filler
- To be used with corresponding Truflex/PANG patch for a permanent two-piece repair









Item No.	Description	Prepared Injury Size mm / in.	Box Qty.				
M6PS	MAXISTEM	6 / ¼	20	•	•	•	•
M8PS	MAXISTEM	8 / 5/16	20	•	•	•	•
M10PS	MAXISTEM	10 / 3/8	20	•	•	•	•

Pang-O-Fil Reinforced Inserts

- Nylon reinforced design makes applying repairs easier, virtually eliminating cutting, resulting in less labor time and a durable repair
- Unique cushion gum flows and cures into cracks and crevices, and permanently vulcanizes to the tire itself
- Excellent for smaller injuries
- Designed for demounted tires, can be used to fill an injury and are very effective when backed up with the appropriate repair unit







Item No.	Description	Length mm / in.	Box Qty.						
POF3	PANG-O-FIL INSERT THIN	100 / 4	50	•	•	•	•	•	•
POF5	PANG-O-FIL INSERT	100 / 4	50	•	•	•	•	•	•
POF8	PANG-O-FIL INSERT	200 / 8	25	•	•	•	•	•	•

MCX Radial Repairs

- To repair injuries in the crown, shoulder or sidewall of radial tires
- Superior performance - 5x longer than a new tire
- Suitable for hot and cold application
- Extended shelf life
- Meet all global industry standards






Item No.	Description	Dim. (mm)	Dim. (in.)	Box Qty.				
MCX10	CHEMICAL RADIAL REPAIR	65 x 80	2½ x 3¼	20	•			
MCX12	CHEMICAL RADIAL REPAIR	70 x 115	2¾ x 4½/8	10	•			
MCX14	CHEMICAL RADIAL REPAIR	75 x 145	3 x 5¾	10	•			
MCX15	CHEMICAL RADIAL REPAIR	80 x 80	3¼ x 3¼	20	•			
MCX20	CHEMICAL RADIAL REPAIR	75 x 125	3 x 5	10		•	•	
MCX22	CHEMICAL RADIAL REPAIR	75 x 165	3 x 6½	10		•	•	
MCX24	CHEMICAL RADIAL REPAIR	75 x 215	3 x 8½	10		•		
MCX25	CHEMICAL RADIAL REPAIR	100 x 125	4 x 5	10		•		
MCX26	CHEMICAL RADIAL REPAIR	75 x 250	3 x 10	10		•		
MCX35	CHEMICAL RADIAL REPAIR	125 x 150	5 x 6	10		•		
MCX37	CHEMICAL RADIAL REPAIR	125 x 170	5 x 6¾	5		•		
MCX40	CHEMICAL RADIAL REPAIR	100 x 200	4 x 8	10		•		
MCX42	CHEMICAL RADIAL REPAIR	125 x 250	5 x 10	5		•		
MCX44	CHEMICAL RADIAL REPAIR	125 x 330	5 x 13	5		•		•
MCX45	CHEMICAL RADIAL REPAIR	195 x 230	7¾ x 9½/8	5		•		•
MCX46	CHEMICAL RADIAL REPAIR	140 x 405	5½ x 16	5		•		•
MCX50	CHEMICAL RADIAL REPAIR	190 x 500	7½ x 20	3				•
MCX52	CHEMICAL RADIAL REPAIR	250 x 570	10 x 22½	3				•
MCX55	CHEMICAL RADIAL REPAIR	260 x 330	10¼ x 13	3				•
MCX56	CHEMICAL RADIAL REPAIR	265 x 655	10½ x 26	3				•
MCX60	CHEMICAL RADIAL REPAIR	265 x 860	10½ x 34	3				•
MCX65	CHEMICAL RADIAL REPAIR	330 x 420	13 x 16½	3				•
MCX68	CHEMICAL RADIAL REPAIR	315 x 730	12 x 29	3				•
MCX75	CHEMICAL RADIAL REPAIR	450 x 535	17¾ x 20¾	1				•
MCX80	CHEMICAL RADIAL REPAIR	150 x 195	6 x 7¾	5			•	
MCX82	CHEMICAL RADIAL REPAIR	190 x 250	7½ x 10	5			•	
MCX84	CHEMICAL RADIAL REPAIR	215 x 290	8½ x 6¾	5			•	
MCX86	CHEMICAL RADIAL REPAIR	245 x 340	9¾ x 13½	5			•	

MSX Radial Repairs

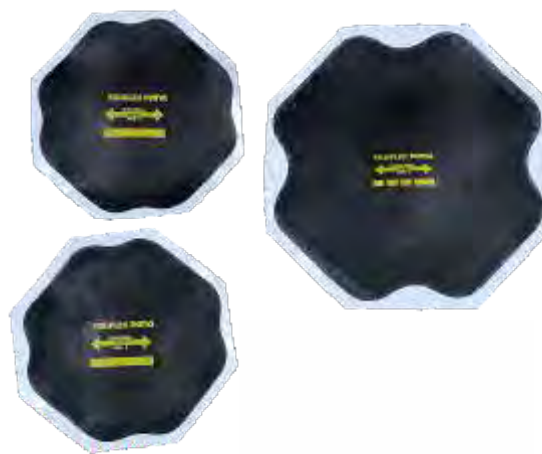
- MSX Versacure Radial Repairs set the standard for tire repair technology
- Constructed using unique technology to exceed the demands of tire manufacturers and retreaders
- Superior hot repair application performance (use with RS3F Rapid Solution)
- May also be used in cold application (use with 658F Maxibond Cement)
- Tested more than 5 times that of a new tire for performance
- Designed to last multiple retread cycles
- Greatly extended shelf-life






Item No.	Description	Dim. (mm)	Dim. (in.)	Box Qty.			
MSX10	VERSACURE RADIAL REPAIR	45 x 75	1¾ x 3	20	•		
MSX10HD	VERSACURE RADIAL REPAIR	65 x 80	2½ x 3¼	10	•		
MSX12	VERSACURE RADIAL REPAIR	70 x 115	2¾ x 4½/8	10	•		
MSX12HD	VERSACURE RADIAL REPAIR	70 x 115	2¾ x 4½/8	10	•		
MSX14	VERSACURE RADIAL REPAIR	75 x 145	3 x 5¾	10	•		
MSX20	VERSACURE RADIAL REPAIR	75 x 125	3 x 5	10		•	•
MSX22	VERSACURE RADIAL REPAIR	75 x 165	3 x 6½	10		•	•
MSX24	VERSACURE RADIAL REPAIR	75 x 215	3 x 8½	10		•	
MSX25	VERSACURE RADIAL REPAIR	100 x 125	4 x 5	10		•	
MSX35	VERSACURE RADIAL REPAIR	125 x 150	5 x 6	10		•	
MSX40	VERSACURE RADIAL REPAIR	100 x 200	4 x 8	10		•	
MSX40A	VERSACURE ARAMID RADIAL REPAIR	100 x 200	4 x 8	10		•	
MSX42	VERSACURE RADIAL REPAIR	125 x 250	5 x 10	5		•	
MSX42A	VERSACURE ARAMID RADIAL REPAIR	125 x 250	5 x 10	5		•	
MSX44	VERSACURE RADIAL REPAIR	125 x 330	5 x 13	5		•	
MSX44A	VERSACURE ARAMID RADIAL REPAIR	125 x 330	5 x 13	5		•	
MSX45	VERSACURE RADIAL REPAIR	195 x 230	7¾ x 9½/8	5		•	
MSX46	VERSACURE RADIAL REPAIR	140 x 405	5½ x 16	5		•	
MSX80	VERSACURE RADIAL REPAIR	150 x 195	6 x 7¾	24			•
MSX82	VERSACURE RADIAL REPAIR	190 x 250	7½ x 10	24			•
MSX84	VERSACURE RADIAL REPAIR	215 x 290	8½ x 6¾	24			•
MSX86	VERSACURE RADIAL REPAIR	245 x 340	9¾ x 13½	24			•

PHD Bias Repairs

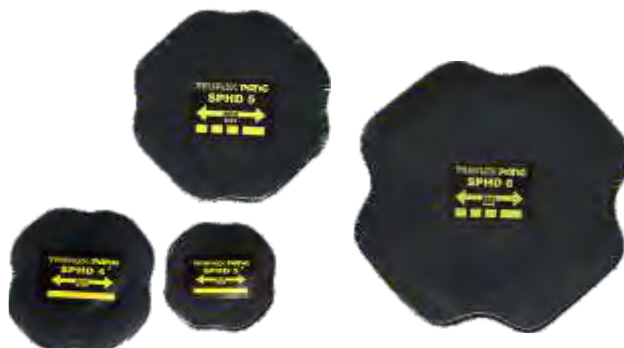
- Excellent flexibility, greater strength and superior construction
- For use on tubeless or tube-type tires
- Easy application, hot or cold
- Designed for excellent air retention
- Exceed the life of the tire






Item No.	Description	Dim. mm / in.	Plies	Box Qty.			
PHD3	CHEMICAL BIAS PLY REPAIR	100 / 4	2	10	•	•	•
PHD4	CHEMICAL BIAS PLY REPAIR	130 / 5 ⁵ / ₁₆	4	10	•	•	•
PHD5	CHEMICAL BIAS PLY REPAIR	165 / 6½	4	10	•	•	•
PHD6	CHEMICAL BIAS PLY REPAIR	240 / 9 ⁹ / ₁₆	6	5	•	•	•
PHD7	CHEMICAL BIAS PLY REPAIR	290 / 11 ⁵ / ₈	6	5	•	•	•
PHD8	CHEMICAL BIAS PLY REPAIR	340 / 13 ⁵ / ₈	6	5	•	•	•
PHD9	CHEMICAL BIAS PLY REPAIR	380 / 15 ¹ / ₈	8	3	•	•	•
PHD10	CHEMICAL BIAS PLY REPAIR	430 / 17 ¹ / ₈	8	3	•	•	•

SPHD Bias Repairs

- Superior hot repair application performance (use with RS3F Rapid Solution)
- May also be used in cold application (use with 658F Maxibond Cement)




Item No.	Description	Dim. mm / in.	Plies	Box Qty.			
SPHD3	VERSACURE BIAS PLY REPAIR	100 / 4	2	10	•	•	•
SPHD4	VERSACURE BIAS PLY REPAIR	130 / 5 ⁵ / ₁₆	4	10	•	•	•
SPHD5	VERSACURE BIAS PLY REPAIR	165 / 6½	4	10	•	•	•
SPHD6	VERSACURE BIAS PLY REPAIR	240 / 9 ⁹ / ₁₆	6	5	•	•	•
SPHD7	VERSACURE BIAS PLY REPAIR	290 / 11 ⁵ / ₈	6	5	•	•	•
SPHD8	VERSACURE BIAS PLY REPAIR	340 / 13 ⁵ / ₈	6	5	•	•	•
SPHD9	VERSACURE BIAS PLY REPAIR	380 / 15 ¹ / ₈	8	3	•	•	•
SPHD10	VERSACURE BIAS PLY REPAIR	430 / 17 ¹ / ₈	8	3	•	•	•

SPHDT Bias Tractor Repairs


- Unsurpassed performance in tractor tire repair
- Exceeds all demands of a tractor tire in service
- Superior hot repair application performance (use with RS3F Rapid Solution)
- Use with 658F Blue Maxibond Cement for cold applications



Item No.	Description	Dim. mm / in.	Plies	Box Qty.	
SPHDT0	VERSACURE BIAS PLY TRACTOR REPAIR	200 / 8	4	10	•
SPHDT1	VERSACURE BIAS PLY TRACTOR REPAIR	230 / 9 ¹ / ₈	4	5	•
SPHDT2	VERSACURE BIAS PLY TRACTOR REPAIR	275 / 11	4	5	•
SPHDT3	VERSACURE BIAS PLY TRACTOR REPAIR	380 / 15 ¹ / ₈	4	5	•
SPHDT4	VERSACURE BIAS PLY TRACTOR REPAIR	225 / 9	6	5	•
SPHDT5	VERSACURE BIAS PLY TRACTOR REPAIR	280 / 0	6	5	•
SPHDT6	VERSACURE BIAS PLY TRACTOR REPAIR	375 / 15	6	5	•
SPHDT7	VERSACURE BIAS PLY TRACTOR REPAIR	490 / 19 ¹ / ₂	6	3	•

COTR Bias Repairs (OTR)






- Proven in construction and mining operations throughout the world
- Restore damaged bias OTR tires to their original strength
- Superior adhesion with all vulcanizing systems

Item No.	Description	Dim. mm / in.	Plies	Box Qty.	
COTR0	CHEMICAL BIAS PLY OTR REPAIR	180 / 7	4	12	•
COTR1	CHEMICAL BIAS PLY OTR REPAIR	240 / 9 ⁹ / ₁₆	8	12	•
COTR2	CHEMICAL BIAS PLY OTR REPAIR	280 / 11	8	12	•
COTR3	CHEMICAL BIAS PLY OTR REPAIR	290 / 11 ¹ / ₂	12	12	•
COTR3.5	CHEMICAL BIAS PLY OTR REPAIR	355 / 14	12	6	•
COTR4	CHEMICAL BIAS PLY OTR REPAIR	405 / 16	12	6	•
COTR5	CHEMICAL BIAS PLY OTR REPAIR	455 / 18	14	3	•
COTR6	CHEMICAL BIAS PLY OTR REPAIR	490 / 19 ¹ / ₂	16	3	•
COTR7	CHEMICAL BIAS PLY OTR REPAIR	520 / 20 ¹ / ₂	20	3	•
COTR8	CHEMICAL BIAS PLY OTR REPAIR	570 / 22 ¹ / ₂	20	3	•

Tube Repairs

- Permanent and safe
- Stronger than the tube
- Suitable for any on or off road tube injury
- Easy application
- Built for maximum adhesion
- Superb shelf-life





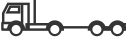
Item No.	Description	Dim. (mm)	Dim. (in.)	Box Qty.					
B0	ROUND TUBE REPAIR	20	¾	150	•	•	•	•	•
B1	ROUND TUBE REPAIR	25	1	150	•	•	•	•	•
B2	OVAL TUBE REPAIR	25 x 60	1 x 2 ²³ / ₆₄	100	•	•	•	•	•
PP0	ROUND TUBE REPAIR	30	1 ¹ / ₈	150	•	•	•	•	•
PP1	ROUND TUBE REPAIR	35	1 ³ / ₈	100	•	•	•	•	•
PP2	ROUND TUBE REPAIR	45	1¾	60	•	•	•	•	•
PP3	ROUND TUBE REPAIR	55	2¼	44	•	•	•	•	•
PP4	ROUND TUBE REPAIR	75	3	32	•	•	•	•	•
PP5	ROUND TUBE REPAIR	95	3¾	25	•	•	•	•	•
PP6	ROUND TUBE REPAIR	116	4 ⁹ / ₁₆	10	•	•	•	•	•
PP7	OVAL TUBE REPAIR	75 x 35	3 x 1 ³ / ₈	45	•	•	•	•	•
PP8	OVAL TUBE REPAIR	100 x 45	4 x 1¾	35	•	•	•	•	•
PP9	OVAL TUBE REPAIR	160 x 75	6¼ x 3	10	•	•	•	•	•
PP10	OVAL TUBE REPAIR	190 x 95	7½ x 3¾	10	•	•	•	•	•

Universal Repairs






- Permanent and safe
- Chemical cure
- Unit-moulded repair with foil backing
- Non-reinforced
- Suitable for radial & bias tires
- For injuries up to 10mm/3/8"



Item No.	Description	Dim. mm / in.	Box Qty.			
RMT0	ROUND UNIVERSAL REPAIR	32 / 1¼	100	•	•	•
RMT11	ROUND UNIVERSAL REPAIR	38 / 1½	100	•	•	•
RMT12	ROUND UNIVERSAL REPAIR	48 / 2	60	•	•	•
RMT1	ROUND UNIVERSAL REPAIR	54 / 2 ¹ / ₈	50	•	•	•
RMT2	ROUND UNIVERSAL REPAIR	75 / 3	40	•	•	•
SMT0	SQUARE UNIVERSAL REPAIR	45 / 1¾	50	•	•	•
SMT1	SQUARE UNIVERSAL REPAIR	57 / 2¼	50	•	•	•
SMT2	SQUARE UNIVERSAL REPAIR	65 / 2½	40	•	•	•

Heavy Duty Universal Repairs




- Permanent and safe
- High tack chemical cure bonding gum
- Square heavy duty all rubber, non-reinforced patches
- Suitable for radial & bias tires
- For injuries up to 10mm / $\frac{3}{8}$ "

Item No.	Description	Dim. (mm)	Dim. (in.)	Box Qty.			
VSR1	SQUARE UNIVERSAL REPAIR	45	1 $\frac{3}{4}$	50	•	•	•
VSR2	SQUARE UNIVERSAL REPAIR	55	2 $\frac{1}{4}$	80	•	•	•
VSR3	SQUARE UNIVERSAL REPAIR	70	2 $\frac{3}{4}$	50	•	•	•

Reinforced Universal Repairs

- Permanent and safe
- Chemical cure
- Soft gum repairs with blue poly backing
- Nylon-mesh reinforced for added strength
- Suitable for radial & bias tires






Item No.	Description	Dim. (mm)	Dim. (in.)	Box Qty.			
C1	ROUND UNIVERSAL REPAIR	40	1 $\frac{1}{2}$	24	•	•	•
C2	ROUND UNIVERSAL REPAIR	60	2 $\frac{1}{4}$	24	•	•	•
C3	ROUND UNIVERSAL REPAIR	80	3 $\frac{1}{8}$	24	•	•	•
S3	SQUARE REINFORCED REPAIR	75	3	30	•	•	•
S3BK	SQUARE REINFORCED REPAIR	75	3	200	•	•	•

Multi-Purpose Repairs

- Expertly manufactured with a unique cross-weave reinforcement
- Available with both Chemical and Versacure cushion gum
- Provide excellent performance in both radial and bias tires



Item No.	Description	Dim. mm / in.	Plies	Box Qty.			
PHD1	CHEMICAL MULTI-PURPOSE REPAIR	65 / 2 $\frac{1}{2}$	2	20	•	•	•
PHD2	CHEMICAL MULTI-PURPOSE REPAIR	90 / 3 $\frac{1}{2}$	2	10	•	•	•
SPHD1	VERSACURE MULTI-PURPOSE REPAIR	65 / 2 $\frac{1}{2}$	2	20	•	•	•
SPHD2	VERSACURE MULTI-PURPOSE REPAIR	90 / 3 $\frac{1}{2}$	2	10	•	•	•

Super Solution

- High performance, fast-drying vulcanizing cement for general application when repairing tubes and tires
- Can be used in hot or cold applications



Item No.	Description
608F/8OZ	SUPER SOLUTION, 8 oz., 236ml can
608F/QT	SUPER SOLUTION, 1 qt., 946ml can
608F/GAL	SUPER SOLUTION, 1 gal., 3.8 liter can
608F/55GAL	SUPER SOLUTION, 55 gal., 209 liter drum
608F/7ML	SUPER SOLUTION, 7ml tube
608F/14ML	SUPER SOLUTION, 14ml tube
608F/35ML	SUPER SOLUTION, 35ml tube
608F/70ML	SUPER SOLUTION, 70ml tube

Bufsol

- Pre-buff chemical cleaner removes mold, lubricants and contamination found on tire inner liner surfaces and tubes, prior to mechanical buffing



Item No.	Description
816F/11OZ	BUFSOL, 11 oz., 312g aerosol can
816F/QT	BUFSOL, 1 qt., 946ml can
816F/GAL	BUFSOL, 1 gal., 3.8 liter can
816F/5GAL	BUFSOL, 5 gal., 19 liter can
816F/55GAL	BUFSOL, 55 gal., 209 liter drum

Blue Maxibond

- Premium heavy-duty blue cement that meets requirements for high tack and superior adhesion of repairs in demanding environments
- Can be used in hot or cold applications
- For use with all Truflex/Pang repairs



Item No.	Description
658F/8OZ	BLUE MAXIBOND, 8 oz., 236ml can
658F/QT	BLUE MAXIBOND, 1 qt., 946ml can
658F/GAL	BLUE MAXIBOND, 1 gal., 3.8 liter can
658F/55GAL	BLUE MAXIBOND, 55 gal., 209 liter drum

Rapid Solution

- High tack black vulcanizing cement for use in hot application
- Use to apply uncured repairs and cushion gum in tire repairing
- For use with Truflex/Pang's Versacure repairs in almost all retread curing systems



Item No.	Description
RS3F/QT	RAPID SOLUTION, 1 qt., 946ml can
RS3F/GAL	RAPID SOLUTION, 1 gal., 3.8 liter can
RS3F/5GAL	RAPID SOLUTION, 5 gal., 19 liter can
RS3F/55GAL	RAPID SOLUTION, 55 gal., 209 liter drum

Pangit A & B Compound

- A two-part self-vulcanizing product, curing at room temperature
- Both parts are mixed and utilized to fill and repair all types of tire and rubber damage
- For use with blue Maxibond cement

Item No.	Description
110FPA/1LB	PANGIT A COMPOUND, 1 lb., 455g can
110FPB/1LB	PANGIT B COMPOUND, 1 lb., 455g can
120FPA/2LB	PANGIT A COMPOUND, 2 lb., 910g can
120FPB/2LB	PANGIT B COMPOUND, 2 lb., 910g can



Bead Sealer

- Brushable solution that seals any leaks between the tire bead and rim
- Apply before mounting

Item No.	Description
B77F/QT	BEAD SEALER, 1 qt., 946ml can
B77F/5G	BEAD SEALER, 5 gal., 19 liter can
B77F/55GAL	BEAD SEALER, 55 gal., 209 liter drum



Butyl Liner Repair Sealer

- Restores and secures the air retention properties of the tire inner-liner after repair

Item No.	Description
BLRSF/PT	BUTYL LINER REPAIR SEALER, 1 pt., 473ml can
BLRSF/QT	BUTYL LINER REPAIR SEALER, 1 qt., 946ml can
BLRSF/55G	BUTYL LINER REPAIR SEALER, 55 gal., 209 liter drum



Tools & Accessories

- Made of the highest quality materials
- Designed to make your tire repair jobs easier and faster

Knives & Awls

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.
918	DUCK BILL AWL, 4", 100mm length	Ea.
919	POINTED AWL, 8", 200mm length (screwdriver-style handle)	Ea.



Stitchers & Scrapers

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



Cement Tools

Item No.	Description	Box Qty.
915	SPIRAL CEMENT TOOL	Ea.
916	GIANT SPIRAL CEMENT TOOL	Ea.
TRT105	INJURY MEASURING TOOL	Ea.



Repair Tools & Accessories

Insert Tools

Item No.	Description	Box Qty.
925	PASSENGER INSERT TOOL, 2 ¹ / ₈ ", 54mm	Ea.
925T	TRUCK INSERT TOOL	Ea.
925E	EARTHMOVER INSERT TOOL, 6", 150mm	Ea.
905	HEAVY DUTY INSERT TOOL, 9", 225mm	Ea.



Carbide Cutters

Item No.	Description	Prepared Injury Size mm / in.
269	CARBIDE CUTTER, 3", 75mm length	3 / ¹ / ₈
270	CARBIDE CUTTER, 3", 75mm length	6 / ¹ / ₄
271	CARBIDE CUTTER, 4", 100mm length	8 / ⁵ / ₁₆
271/38	CARBIDE CUTTER, 4 ⁹ / ₁₆ ", 120mm length	10 / ³ / ₈
272	CARBIDE CUTTER, 5", 125mm length	13



TPMS

Universal Sensors

- NFC Enabled Universal Sensor
- T-Pro Hybrid 3.5 Universal Sensors
- OE Replacement Sensors
- Valve Options for Sensors



Diagnostic Tools

- Read and activate 100% of OE and aftermarket sensors
- Manually enter IDs and copy a set of wheels
- Retrieve IDs from the ECU*
- Unlock the ECU*
- Manual relearn procedures
- ATEQ's Live Sensor platform (updates sensor information in real-time)
- ATEQ's Sync-ID technology (increases OBDII relearn coverage to over 90%)*
- Remote Key Entry (RKE) test
- A sensor part number directory
- Easy-to-use icon-driven navigation and a comprehensive language selector

Hamaton and ATEQ Diagnostic Tools | The Differences

	Hamaton	ATEQ
Configure/Program	EU-Pro Hybrid and T-Pro Hybrid Sensors	All Popular Universal Sensors
Multi-programming	EU-Pro Hybrid and T-Pro Hybrid Sensors	All Popular Universal Sensors
Free Software Subscription	5 Years**	3 Years (VT37 & VT57) 2 Years (VT67)
Warranty	2 Years	1 Year (VT37 & VT57) 2 Years (VT67)

The Hamaton H57 and Hybrid HT can be upgraded to configure/program other universal sensors.**



*Excludes the ATEQ VT37.

**The free 5-year software subscription will stop if users upgrade the universal sensor coverage.

Plus Much More:

- Starter Kits
- Tool Kits
- Replacement Parts
- Workshop Tools

Software Updates

Having a valid software subscription and keeping diagnostic tools updated is essential. Software updates provide new features and increased coverage meaning garages can service more vehicles.

If your software licence has expired or is ending soon, contact us to discuss your options.

Install WebVT to download the latest software update. VT67, VT57, H57 and Hybrid HT owners can perform subsequent updates via Wi-Fi.

www.techtpms.com/webvt



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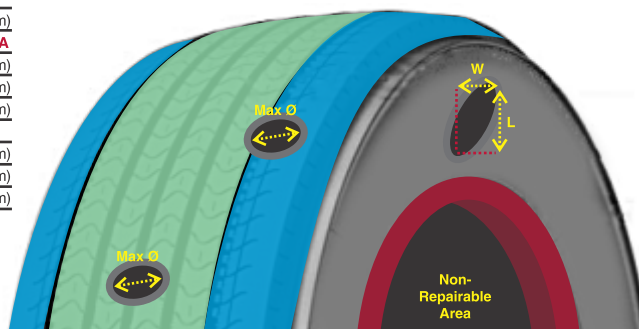
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The diagram illustrates the cross-section of a tire with various colored regions indicating repairability. At the top, the **PASSENGER TIRES** section is shown in green, with a width of **1" (25mm)** on each side, marked with **S** and **T** labels. Below this is the **CROWN AREA**. The **LT., TRUCK & AG. TIRES** section is shown in blue, with a width of **1 1/2" (40mm)** on each side, also marked with **S** and **T** labels. The bottom portion of the tire is labeled **A-B NON-REPAIRABLE AREA** and is colored red. Arrows point from this red area towards the center of the tire.


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)



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



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

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

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


Sidewall Injury		Shoulder Injury	Crown Injury Diameter	Tractor Sizes		
Width	Length			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)	3/4" (20mm)		3/4" (20mm)	20	20	22
3/4" (20mm)	3" (75mm)			20	20	22
		3/4" (20mm)		22	80	80
1 1/2" (40mm)	4" (100mm)		1 1/2" (40mm)	22	80	80
		1 1/2" (40mm)		80	82	82
			2 3/4" (70mm)	80	82	82
2" (50mm)	3 1/4" (80mm)			80	82	82
		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
3 1/4" (80mm)	3 1/4" (80mm)		3 1/2" (90mm)		84	86
3 1/4" (80mm)	5 1/4" (130mm)				82	84
		3 1/2" (90mm)			84	86
3 1/2" (90mm)	4 1/2" (115mm)				88	90
3 1/2" (90mm)	7 1/8" (180mm)				84	86
4" (100mm)	4" (100mm)		4" (100mm)		84	86
4" (100mm)	6 1/2" (165mm)				84	86
4" (100mm)	8" (200mm)				86	88
			5" (125mm)		88	88
5" (125mm)	5" (125mm)				86	88
5" (125mm)	10" (250mm)					90
5 1/2" (140mm)	6" (150mm)				88	90
6" (150mm)	8" (200mm)					90

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

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



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

Sidewall Injury		Tube-Type Tire Sizes		Tubeless Tire Sizes	
		Shoulder Injury Diameter (S-T Area)	Crown Injury Diameter (T-T Area)	Light Truck Through Load Range E	Truck Tire Sizes Heavy Truck
Width	Length			6.50-12.50	7.50-10.00 11.00-14.00
1/4" (6mm)	1/4" (6mm)		1/4" (6mm)	LT 15-28S	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
		1/4" (6mm)		10	10HD 10HD
				10	20 20
		5/16" (8mm)		22	24 26
			5/16" (8mm)	12	12 12
				12	20 20
		5/16" (8mm)		22	24 26
			3/8" (10mm)	20 or S3	20 or S3 20 or S3
1 Cable	1 1/2" (40mm)			20	20 20
1 Cable	3 1/8" (80mm)			22	24 24
1 Cable	4 3/4" (120mm)				24 24
1 Cable	6" (150mm)				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
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
		3/8" (10mm)		24	26 26
			1/2" (13mm)	22	25 or 40 25 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
		1/2" (13mm)		40	40 40
			3/4" (20mm)	22	25 or 40 25 or 42
3/4" (20mm)	1" (25mm)			22	40 40
3/4" (20mm)	2 1/2" (65mm)			24	42 42
3/4" (20mm)	4 3/8" (110mm)				42 44
3/4" (20mm)	5 1/8" (130mm)				44 44
		3/4" (20mm)		40	42 42
			1" (25mm)	25 or 40	35 or 42 37 or 44
1" (25mm)	2" (50mm)			40	42 44
1" (25mm)	3 1/4" (80mm)				42 44
1" (25mm)	4" (100mm)				44 44
		1" (25mm)			44 44
			1 1/4" (32mm)		35 or 42 37 or 44
1 1/4" (32mm)	2" (50mm)				42 44
1 1/4" (32mm)	3 1/8" (80mm)				44 44
1 1/4" (32mm)	4" (100mm)				46 46

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

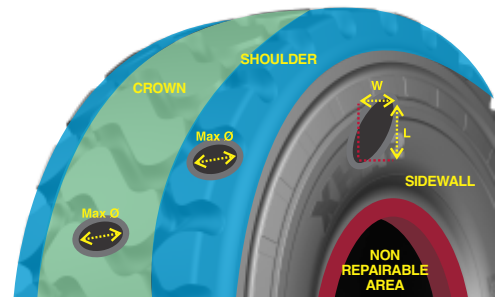
TRUFLEX/PANG MCX/MHX/MFX

Off Road Repair Chart



Sidewall Injury		Shoulder Injury	Crown Injury	Earthmover Tire Sizes			
				Inner liner removed on these sizes			
Width Inches (mm)	Length Inches (mm)	Diameter 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 46/90-59/80 50/65-65/65
3/8 (10)	3 (75)		Crown Diameter - 3/8 (10)	42	42	42	44
3/8 (10)	4 3/8 (110)			42	42	44	44
			Crown Diameter - 3/4 (20)	45 or 46	45 or 46	45 or 46	45 or 50
3/4 (20)	2 (50)		Body Ply Damage C - 3/4 (20)	45	45	45	45
3/4 (20)	5 1/2 (140)		Radial Ply Length - 1 3/4 (45)	42	44	44	50
3/4 (20)	8 (200)			46	46	46	50
		3/4 (20)		46	50	50	50
				46	46	50	52
1 (25)	5 (125)		Crown Diameter - 1 (25)	45 or 46	45 or 46	45 or 46	45 or 50
1 (25)	8 (200)		Body Ply Damage C - 1 (25)	45	45	45	45
			Radial Ply Length - 1 1/2 (40)	46	46	46	50
				50	50	50	52
		1 (25)		46	50	52	52
1 1/4 (30)	4 (100)			46	50	50	50
1 1/4 (30)	10 (250)			50	50	52	56
			Crown Diameter - 1 1/2 (40)	45 or 46	45 or 50	55 or 52	55 or 52
			Body Ply Damage C - 1 1/2 (40)		55	55	55
			Radial Ply Length - 3 (75)	46	50	52	52
1 1/2 (40)	3 1/2 (90)			50	50	52	56
1 1/2 (40)	10 (250)			56	56	56	60
1 1/2 (40)	14 (350)			56	60	60	60
1 1/2 (40)	16 (400)			50	50	52	56
		1 1/2 (40)		50	50	52	56
1 3/4 (45)	6 1/2 (165)			50	50	52	52
1 3/4 (45)	10 (250)			52	52	52	56
1 3/4 (45)	14 (350)				56	56	60
1 3/4 (45)	16 (400)				60	60	60
			Crown Diameter - 2 (50)	55 or 50	55 or 52	55 or 52	65 or 52
			Body Ply Damage C - 2 (50)		65	65	65
			Radial Ply Length - 4 (100)	50	52	52	52
2 (50)	7 (175)			52	52	52	56
2 (50)	10 (250)				56	56	60
2 (50)	14 (350)				60	60	60
2 (50)	16 (400)				60	60	60
2 (50)	19 (475)			50	52	56	56
		2 (50)		55 or 52	65 or 52	65 or 52	65 or 56
			Crown Diameter - 2 3/4 (70)	52	52	52	56
			Body Ply Damage C - 2 3/4 (70)		65	65	65
			Radial Ply Length - 3 1/2 (90)	52	56	56	60
2 3/4 (70)	8 (200)				56	60	60
2 3/4 (70)	10 (250)			2 1/2 (65)	56	56	68
2 3/4 (70)	13 1/2 (340)			2 3/4 (70)	56	68	68
			Crown Diameter - 3 (90)		56	75 or 56	75 or 68
			Body Ply Damage C - 3 (90)			75	75
			Radial Ply Length - 5 1/2 (140)	52	52	56	56
3 1/2 (90)	7 (175)			52	52	56	68
3 1/2 (90)	8 (200)				56	56	68
3 1/2 (90)	10 (250)				56	60	60
3 1/2 (90)	12 1/2 (315)				56	62	62
		3 1/2 (90)			56	62	62
4 (100)	5 1/2 (140)			52	52	56	56
4 (100)	7 1/2 (190)				56	56	68
4 (100)	10 1/2 (265)					62	62
4 3/8 (110)	5 (125)			52	52	56	56
4 3/8 (110)	7 (175)				56	68	68
4 3/8 (110)	10 (250)					62	62
4 3/4 (120)	4 1/2 (115)				56	60	62
4 3/4 (120)	6 (150)					62	62
4 3/4 (120)	9 (225)					62	62
			Crown Diameter - 5 (125)		68	85 or 68	85 or 68
			Body Ply Damage C - 5 (125)			85	85
			Radial Ply Length - 8 (200)				
5 (125)	4 (100)				68	68	68
5 (125)	5 (125)					62	62
5 (125)	7 (175)					62	62
6 (150)	3 (75)				68	68	68
6 (150)	5 1/2 (140)					68	68
			Crown Diameter - 6 1/2 (165)			85	85
6 1/2 (165)	5 (125)					68	68

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.



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

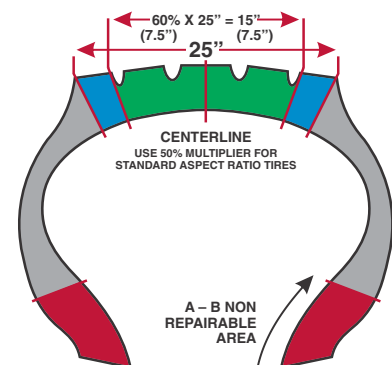
Crown is defined as 50% of tread face for standard aspect ratio tire sizes and 60% of tread face for wide base sizes. All measurements are taken on the outside surface of the tire.

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.

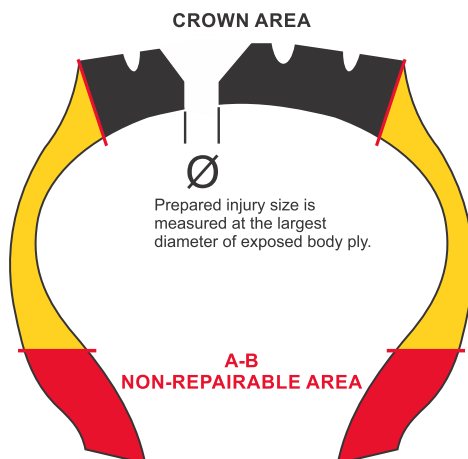


REPAIR UNIT DIMENSIONS		
Repair Unit	Inches	Millimeters
42	5 x 10	125 x 250
44	5 x 13	125 x 330
45	9 1/8 x 7 3/4	230 x 195
46	5 1/2 x 16	140 x 405
50	7 1/2 x 19 3/4	190 x 500
52	10 x 22 1/2	250 x 570
55	13 x 10 1/4	330 x 260
56	10 1/2 x 29	265 x 735
60	10 1/2 x 34	265 x 860
62	12 3/4 x 40 1/2	325 x 1030
65	16 1/2 x 13	420 x 330
68	13 3/4 x 30	345 x 760
75	20 3/4 x 17 3/4	535 x 450
85	28 x 22	710 x 560

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

TRUFLEX/PANG

Bias Repair Chart



A-B NON-REPAIRABLE AREA

Section Width	A-B Dimension
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	8 5/16"	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)		1	1	2	3	3	4	5					
6 (C)		1	1	2	3	3	4	5	6				
8 (D)		1	2	3	3	4	4	5	6				
10 (E)		1	2	3	3	4	5	6	6	7	8		
12 (F)		1	2	4	4	4	5	6	6	7	8		
14 (G)		1	3	4	4	5	6	6	7	7	8	10	
16 (H)		1	4	4	5	5	6	6	7	7	8	10	
18 (J)		1	4	5	5	6	6	7	8	8	9	10	
20 (L)		1	4	5	5	6	7	8	8	9	9	10	
22 (M)		1	4	6	6	7	8	8	8	9	10		

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



PLY RATING (LOAD RANGE)	mm inches	6 1/4"	8 5/16"	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)		1	1	1	2	3	3	4	5	T-0	T-0	T-1	T-2	T-2	T-3	T-3		
6 (C)		1	1	1	2	3	3	4	5	T-0	T-0	T-1	T-2	T-2	T-3	T-3		
8 (D)		1	1	2	2	3	4	4	5	T-0	T-0	T-1	T-2	T-2	T-3	T-3	T-6	T-7
10 (E)		1	1	2	3	3	4	5	6	T-1	T-1	T-4	T-5	T-5	T-6	T-7	T-7	T-7
12 (F)		1	1	2	4	4	4	5	6	T-4	T-4	T-4	T-5	T-5	T-6	T-7	T-7	T-7
14 (G)		1	1	4	4	4	5	6	6	T-4	T-5	T-5	T-5	T-6	T-7	T-7	T-7	*
16 (H)		1	1	4	4	5	5	6	6	T-5	T-5	T-5	T-6	T-6	T-7	T-7	*	*
18 (J)		1	2	4	5	5	6	6	7	T-5	T-5	T-6	T-6	T-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.

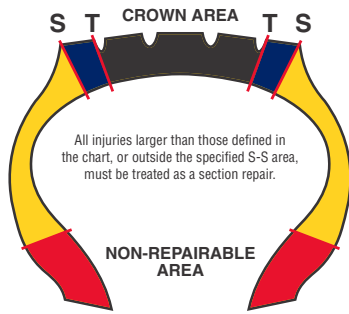
*REINFORCEMENT REPAIRS SIZE OF INJURY – TREAD, SHOULDER AND SIDEWALL



PLY RATING (LOAD RANGE)	mm inches	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)		1	2	3	3	4	4	5	6	7	8	
14-18 (G-J)		1	2	4	4	5	5	6	6	7	8	
20-22 (L-N)		2	4	5	5	6	6	7	7	8	9	

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

TRUFLEX/PANG Instructions for 2-Piece Puncture Repair Method



RADIAL PASSENGER TIRE NAIL HOLE LIMITATIONS				
TIRE AREA	PREPARED INJURY SIZE	REPAIR UNIT	REPAIR STEM	CARBIDE CUTTER
T-T	6mm (1/4")	VRMT2 or MSX10	M6PS	CC6 (270)
RADIAL MEDIUM TRUCK TIRE NAIL HOLE LIMITATIONS				
T-T	6mm (1/4")	VRMT2 or S3	M6PS	CC6 (270)
T-T	8mm (5/16")	S3	M8PS	CC8 (271)
T-T	10mm (3/8")	S3	M10PS	CC10 (271/38)
S-T	8mm (5/16")	MSX24	M8PS	CC8 (271)



1. Remove the tire from the wheel. Inspect tire for damages and defects. Do not repair tire if it shows any signs of: 1) underinflation; 2) run flat or overloading; 3) casing separation; 4) visible, bent or broken bead wires; 5) sidewall or tread cracking deeper than 3/32" (2mm); or 6) exposed cord from sidewall scuffing.



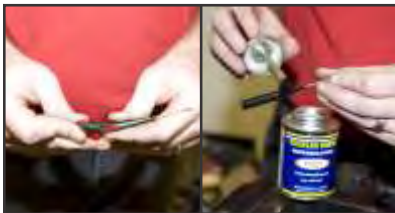
2. Pre-clean inner liner with BufoSol Pre-Buff (#816F) cleaner and a scraper. Repeat process 2 - 3 times to remove all contaminants.



3. Remove damaged rubber and steel from injury with a carbide cutter and low-speed drill (max. 1,200 RPM). Drill the injury from the inside of the tire 3 - 5 times and repeat this same process from the outside.



4. Apply Super Solution (#608F) to the prepared injury using spiral cement tool in a clockwise direction. Repeat 3 - 4 times.



5. Remove red poly from the stem. Apply Super Solution (#608F) to the tapered portion of the stem.



6. Pull the stem into place, leaving 1/8" (3mm) above the inner liner.



7. Outline the area to be buffed. Using a low-speed buffer (max. 5,000 RPM) and the appropriate inner liner wheel, buff the stem flush with the inner liner. Buff the inner liner to an RMA #1 or 2 texture.



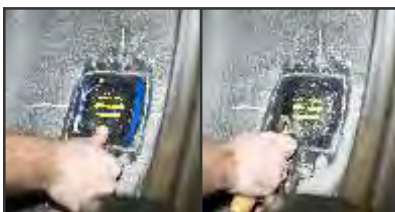
8. Use a soft wire brush to remove buffing dust and debris from the buffed area, followed by a vacuum to remove this material from the tire.



9. Apply a thin coat of Super Solution (#608F) to the buffed surface. Allow to dry 3 - 5 minutes.



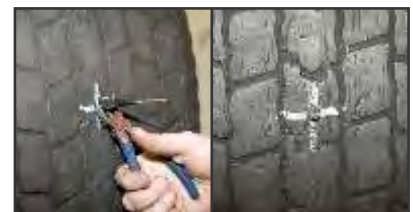
10. Partially remove the protective poly from the back of the repair, exposing only the middle portion of the repair. Center the repair over the injury.



11. With your thumb press down from the center out. Stitch repair unit down from the center out. Remove the poly from the back of the repair and continue stitching toward the edges of the repair.



12. Remove clear poly from the repair. Seal the edges of the repair and the over buffed area with Butyl Liner Repair Sealer (#BLRSF).



13. With the stem relaxed, cut off the excess 1/8" (3mm) above the tread surface. The tire is ready to be returned to service.



WARNING

Failure to properly repair tire could cause SUDDEN TIRE FAILURE, RESULTING IN SERIOUS INJURY OR DEATH. Carefully read and follow these instructions.

TRUFLEX/PANG Bias Skidder & Off Road Repair Chart

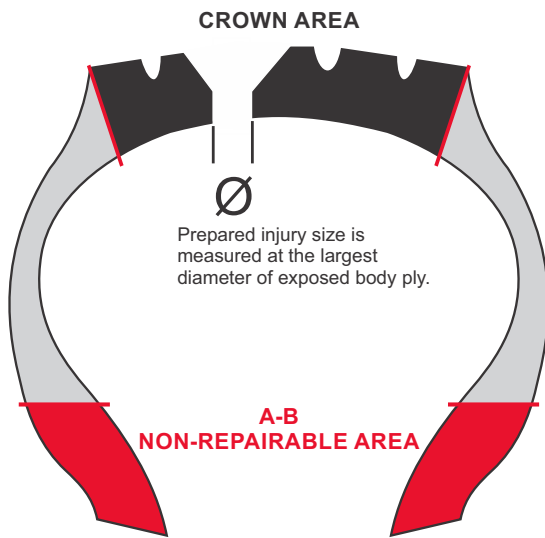


CHART INSTRUCTIONS: For proper repair unit selection, determine the size of the injury in the tire by measuring largest cord area removed. Locate the correct injury size along the top row of the chart. Now locate the tire's ply rating (load range) along the left column of the same chart. The repair unit 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 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
12*	12	12	12	12	16	16	20	20	24	24
14	12	12	12	16	16	20	20	24	24	24
16-18	12	16	16	16	20	20	24	24	24	24
20-22	16	16	20	20	24	24	24	24	*OTR7	*OTR7
26-28	OTR3 1/2	OTR4	OTR5	OTR5	OTR6	OTR6	OTR7	*OTR7	*OTR8	

* FOR 6 TO 10 PLY RATED TIRES AND INJURIES SMALLER THAN SHOWN ON THIS CHART, REFER TO PHDT CHART
* CROWN 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 REPAIR CHART



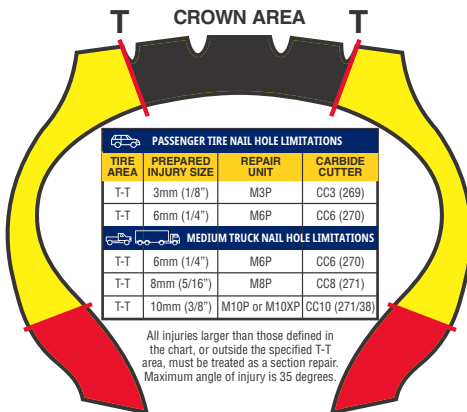
PREPARED INJURY SIZE

CROWN INJURIES ONLY

PLY RATING (LOAD RANGE)	Inches mm	1/2" 13	1" 25	1 1/2" 40	2" 50	2 1/2" 65	3" 75	4" 100	5" 125	6" 150	7" 175	8" 200	9" 225	10" 250	11" 275	12" 300
6-8	0	1	1	1	1	2										
10-12	0	1	1	1	1	2	3									
14-16	0	1	1	2	2	3	3	3	3 1/2	3 1/2	4					
18-20	1	1	1	2	2	3	3	3 1/2	3 1/2	4	5	5	6			
22-24	1	1	1	2	2	3	3 1/2	3 1/2	4	5	5	6	7	7	8	8
26-28	1	1	2	2	3	3 1/2	3 1/2	4	5	5	6	6	7	7	8	8
30-36	1	1	2	2	3	3 1/2	4	4	5	6	6	7	7	8	8	8
38-44	1	1	2	2	3	4	4	5	6	6	7	7	8	8	8	8
46-50	1	2	3	3	3 1/2	4	5	6	6	7	8	8	8			
52-58	1	2	3	3	3 1/2	4	5	6	6	8	8	8				
60+	2	3	3 1/2	3 1/2	4	5	6	6	7	8	8					

* FOR SEVERE SERVICE APPLICATIONS, OR IF THE INJURY WIDTH IS GREATER THAN 1/2 THE LENGTH, THE REPAIR UNIT SHOULD BE INCREASED ONE SIZE FROM THE NUMBER SHOWN ON THE CHART.

TRUFLEX/PANG Instructions for Maxiseal Premium Puncture Repairs



1. Remove the tire from the wheel. Inspect the tire for damage and defects that would make the tire non-repairable. Locate and mark all damage on the inside and outside of the tire. Insert a spiral cement tool or a probe into the injury from the inside of the tire to determine the size and angle of the injury.



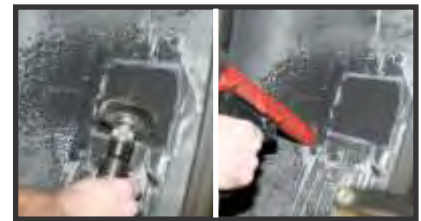
2. Pre-clean the inner liner 2 to 3 times with BufoSol Pre-Buff Cleaner (#816F) and a scraper to remove contaminants.



3. Outline the area to be buffed. Buff the outlined area with a low RPM buffer (Max 5,000 RPM) and appropriate inner liner wheel.



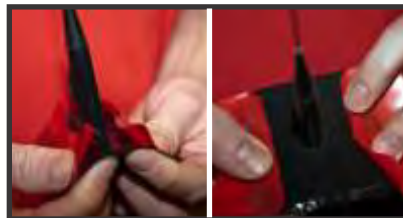
4. Damaged rubber and steel should be removed from the injury using a carbide cutter on a low speed air/electric drill, maximum 1,200 RPM. Drill the injury from the inside of the tire 3 to 5 times. Repeat this process from the outside.



5. Use a soft wire brush followed by a vacuum to remove buffing dust and debris from the buffed area.



6. Using a spiral cement tool in a clockwise direction, apply Super Solution (#608F) to the injury 3 - 5 times. Apply a thin, even coat to the buffed surface and allow to dry 3 - 5 minutes. Additional time may be required in cold or humid conditions.



7. Remove the red poly from the stem by pulling and twisting the repair as shown. Reposition the poly on the cap. Apply a small amount of vulcanizing fluid to the black tapered portion of the stem.



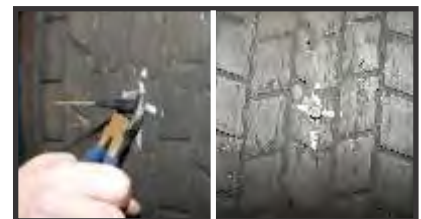
8. Insert the lead wire through the injury from the inside of the tire. Grasp the wire with pliers on the outside of the tire and pull the stem through the tire until the cap forms a slight indentation.



9. Press down the repair with your thumb from the center out. Stitch repair unit down from the center out. Remove red poly from under cap and continue stitching toward the edge of the repair.



10. Remove the clear poly from the repair. Seal the edge of the repair and the over buffed area with Butyl Liner Repair Sealer (#BLRSF).



11. With the stem relaxed, cut off the excess stem 1/8" (3mm) above the tread surface. The tire is ready to be returned to service.



WARNING

Failure to properly repair tire could cause **SUDDEN TIRE FAILURE, RESULTING IN SERIOUS INJURY OR DEATH.** Carefully read and follow these instructions.

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270	12	M8.....	1	PHD6	5
271	12	M8PS	2	PHD7	5
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941	11	MSX10	4	SPHD3	5
942	11	MSX10HD	4	SPHD4	5
B0	7	MSX12	4	SPHD5	5
B1	7	MSX12HD	4	SPHD6	5
B2	7	MSX14	4	SPHD7	5
B77F/QT	10	MSX20	4	SPHD8	5
B77F/5G	10	MSX22	4	SPHD9	5
B77F/55GAL	10	MSX24	4	SPHD10	5
BLRSF/PT	10	MSX25	4	SPHDT0	6
BLRSF/QT	10	MSX26	4	SPHDT1	6
BLRSF/55G	10	MSX35	4	SPHDT2	6
C1	8	MSX40	4	SPHDT3	6
C2	8	MSX40A	4	SPHDT4	6
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Tire Repair Training

The key to proper tire repair goes beyond having high quality Truflex/PANG tire repair products; equally important is the knowledge and skill to perform the repair. Truflex/PANG offers a variety of specialised training courses that incorporate the latest repair techniques recommended by leading tire manufacturers.

Truflex/PANG's comprehensive training curriculum combines both practical and theoretical training courses which include instruction on the most up-to-date tire construction technology, as well as practical demonstrations on a variety of repair methods, including section and OTR repair. Course topics cover:

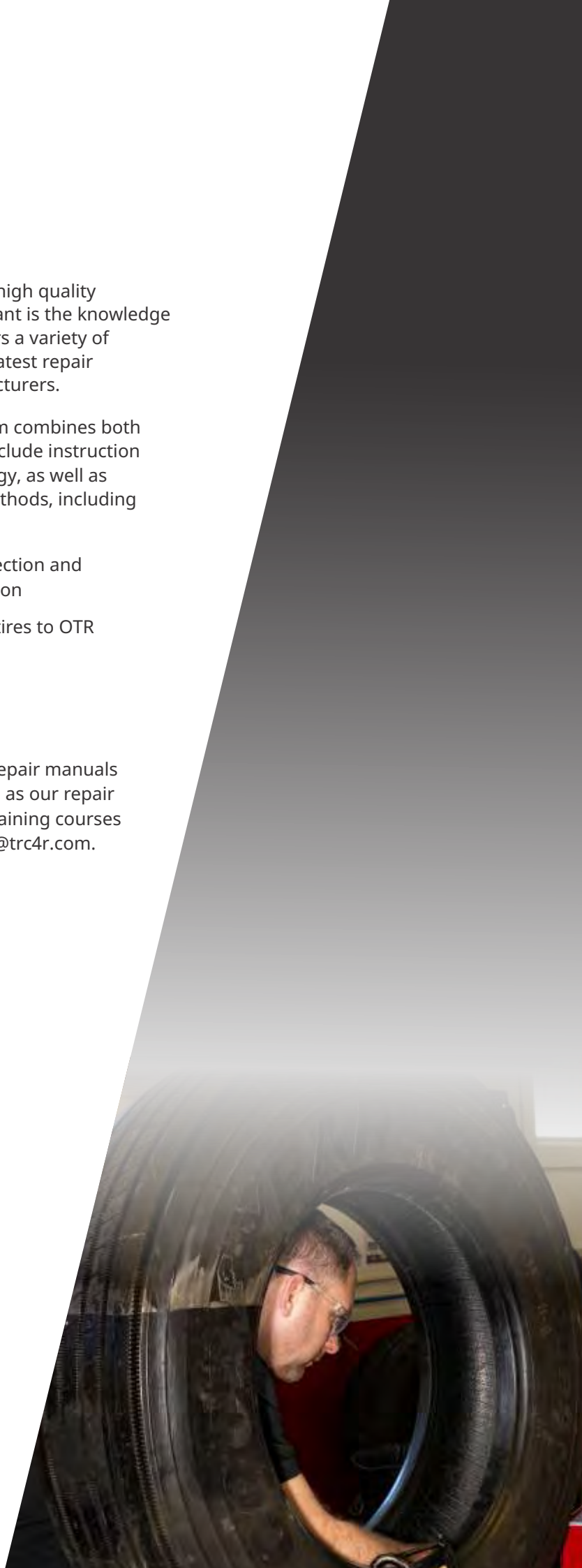
- Proper repair techniques – from injury inspection and preparation to repair selection and installation
- All vehicle applications – from bicycle & car tires to OTR and appropriate repair units
- Retreading tips and techniques
- TPMS

Technicians can also refer to Truflex/PANG's tire repair manuals for guidance on safe and proper tire repair as well as our repair charts on pages 13-18. To learn more about our training courses and available resources, please email techeurope@trc4r.com.

TPRM-4 **One Piece Maxi-Seal** **Repair Method**

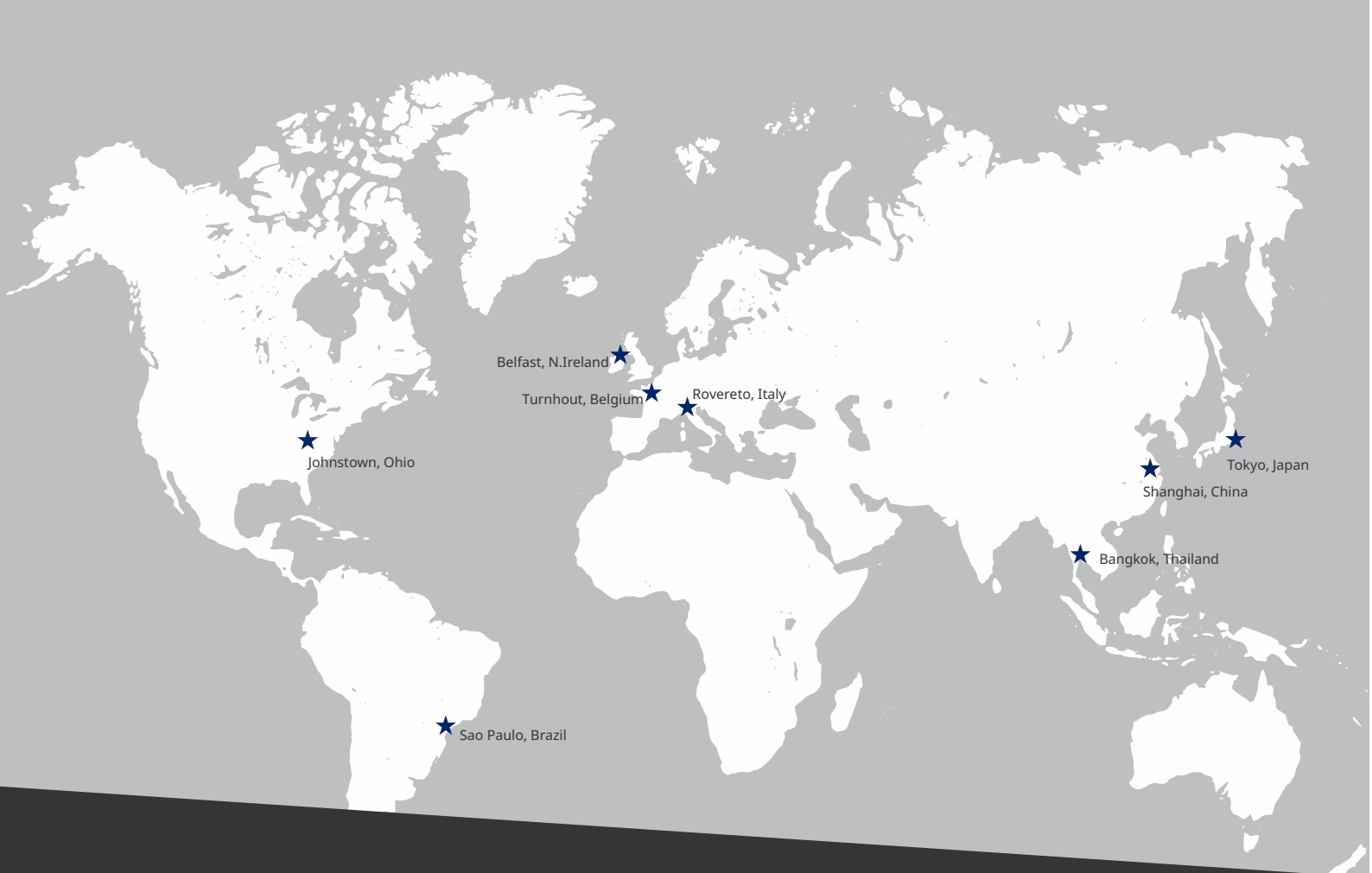


TPRM-5 **Two-Piece Puncture** **Repair Method**



NOTES

[illegible]



The Professional's Choice for Tire Repair



Koeybleuken 16, 2300 Turnhout, Belgium



+32 14 423 103



techeurope@trc4r.com



truflexpangeurope.com