

TIRE REPAIR CATALOGUE



OTR Tire Repair Catalogue



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

TECH's Team is dedicated to providing great personal service. Whether it is product information, order entry assistance or shipping information, they are available to assist all TECH customers.



Phone:

+32 14 423 103



Website:

www.techeurope.com



Email:

techeurope@trc4r.com



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

Table of Contents

TECH Radial Repairs	2-5
TECH Bias Ply Repairs	6-8
TECH Cushion Gum and Fill Rubber	9-11
Extruder Guns	12
TECH Chemicals	13
TECH Repair & Marking Tools	14-15
TECH Buffing & Grinding Tools	16-23
Air Tools & Accessories	24-25
Monaflex Vulcaning Systems	26-28
Workshop Tools & Equipment	29-33
Tire & Wheel Service Products	34-35
TECH Tire Repair Application Charts	36-40

Understanding Chemical & Heat-Cured Repairs

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

TECH Chemical Repairs

Chemical Repairs are produced with TECH's soft gray cushion gum for excellent adhesion when used with TECH Chemical Vulcanizing Fluid or Heavy Duty Blue Cement.



TECH Thermacure Repairs

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

Suffix "R" is used to denote Thermacure repairs.

Suffix "A" is used to denote Aramid reinforcement.



TECH Cloth-Backed Repairs

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

Suffix "C" is used to denote Clothback repairs.

Suffix "A" is used to denote Aramid reinforcement.

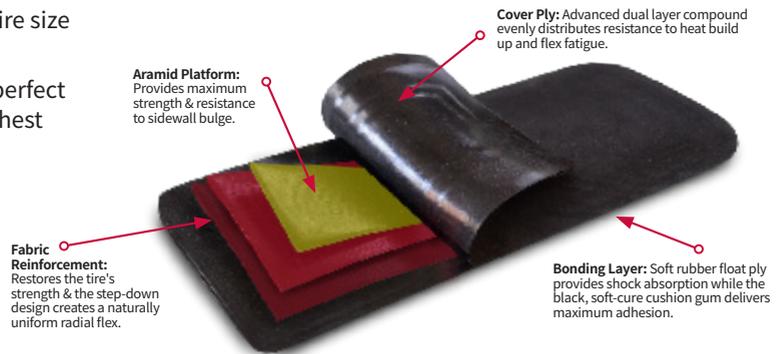


TECH CENTECH Xtreme Aramid Reinforced Radial OTR Repairs

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



CT46A



Item No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.	
CT46AR	Centech Xtreme Aramid OTR Thermacure Repair	140 x 405	5½ x 16	5	•
CT50AR	Centech Xtreme Aramid OTR Thermacure Repair	190 x 500	7½ x 19¾	3	•
CT52AR	Centech Xtreme Aramid OTR Thermacure Repair	265 x 635	10½ x 25	2	•
CT56AR	Centech Xtreme Aramid OTR Thermacure Repair	343 x 775	13½ x 30½	2	•
CT58AR	Centech Xtreme Aramid OTR Thermacure Repair	343 X 825	13½ x 32½	2	•
CT60AR	Centech Xtreme Aramid OTR Thermacure Repair	343 X 915	13½ x 36	2	•
CT62AR	Centech Xtreme Aramid OTR Thermacure Repair	370 x 1015	14½ x 40	2	•
CT64AR	Centech Xtreme Aramid OTR Thermacure Repair	445 x 1220	17½ x 48	2	•
CT66AR	Centech Xtreme Aramid OTR Thermacure Repair	330 x 1460	13 x 57½	2	•
CT68AR	Centech Xtreme Aramid OTR Thermacure Repair	445 x 1460	17½ x 57½	2	•

CT46AC - Suffix "C" for Clothback repairs

Refer to Repair Applications Chart p.36

TECH CENTECH Aramid Reinforced Crown Only Radial OTR Repairs

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



Item No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.	
CT45AR	Thermacure Aramid OTR Crown Repair	230 x 195	9¼ x 7¾	5	•
CT55AR	Thermacure Aramid OTR Crown Repair	330 x 260	13 x 10¼	3	•
CT65AR	Thermacure Aramid OTR Crown Repair	420 x 330	16½ x 13	2	•
CT75AR	Thermacure Aramid OTR Crown Repair	535 x 450	20¾ x 17¾	1	•
CT85AR	Thermacure Aramid OTR Crown Repair	710 x 560	28 x 22	1	•

CT45AC - Suffix "C" for Clothback repairs

Refer to Repair Applications Chart p.36

TECH Radial Center-Over-Injury Centech Repair Units

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



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

*Item not shown

Refer to Repair Applications Chart p.37

TECH Radial Centech Shoulder Repair Units

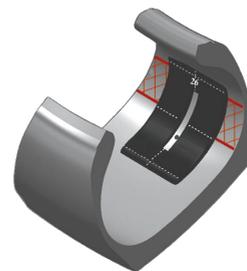


174



172

CENTECH SHOULDER REPAIR PLACEMENT



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

*Item not shown

Refer to Repair Applications Chart p.37

TECH Centech Radial Crown-Only Repair Units

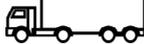
- TECH Centech repairs are fabric reinforced for use in radial tires.
- Thick chemical cushion gum permanently vulcanizes to the tire.
- 40% smaller than conventional radial repair for reduced preparation time.



178



179

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

Refer to Repair Applications Chart on page 37.

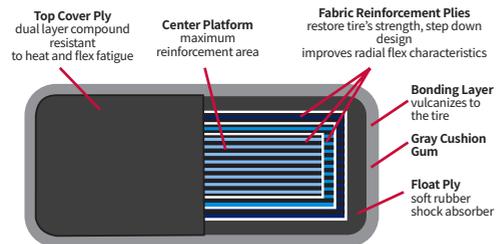
Centech Center-Over-Injury Repair Units

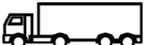


180



182



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

Refer to Repair Applications Chart on page 37.

Centech Radial AG Repairs



196



197



198



199

Item No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.	
196	CT-80 Centech Repair Units	150 x 95	4 x 7 ³ / ₄	5	•
197	CT-82 Centech Repair Units	190 x 250	7 ¹ / ₂ x 10	5	•
198	CT-84 Centech Repair Units	215 x 290	8 ¹ / ₂ x 6 ³ / ₄	5	•
199	CT-86 Centech Repair Units	245 x 340	9 ³ / ₄ x 13 ¹ / ₂	5	•
200A	CT-88 Aramid Reinforced Repair	315 x 490	12 ³ / ₈ x 19 ¹ / ₄	2	•
201A	CT-90 Aramid Reinforced Repair	355 x 565	14 x 22 ¹ / ₄	2	•

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

Refer to Repair Applications Chart p.37

TECH Thermacure Repair Units

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

Thermacure Nail Hole Repairs



Item No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.			
111R	Round All Purpose Repair Units	65	2 1/2	50	•	•	•
112R	MP-10R Repair Units	90	3 1/2	30		•	•
164R	CT-10HDR Repair Units	65 x 80	2 1/2 x 3 1/4	10	•	•	•
166R	CT-12HDR Repair Units	70 x 115	2 3/4 x 4 5/8	10	•	•	•
170R	CT-20R Repair Units	75 x 125	3 x 5	10		•	•

Refer to Repair Applications Chart on page 37.

Thermacure Crown Radial Repairs



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

Refer to Repair Applications Chart on page 37.

Thermacure Center-Over-Injury Radial Repairs

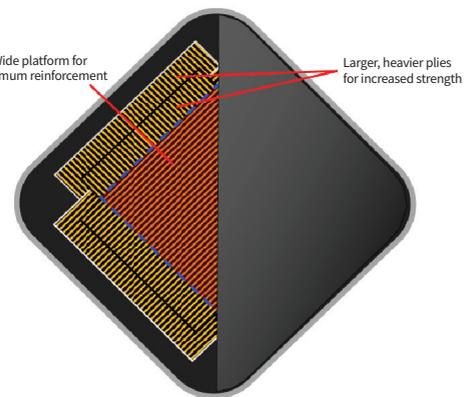


Item No.	Description	Dim. (mm)	Dim. (inches)	Box Qty.				
172R	CT-22R Repair Units	75 x 165	3 x 6 1/2	10	•	•	•	
174R	CT-24R Repair Units	75 x 215	3 3/8 x 8 3/4	10	•	•		
176R	CT-26 Repair Units	75 x 250	3 x 10	10	•	•	•	
180R	CT-40R Repair Units	100 x 200	4 x 8	10	•	•		
182R	CT-42R Repair Units	125 x 250	5 x 10	5		•		•
184R	CT-44R Repair Units	125 x 330	5 x 13	5		•		•

Refer to Repair Applications Chart on page 37.

TECH Off Road (TOR) Bias OTR Repairs

- TECH TOR repairs have specially designed plies that dissipate stress and provide maximum flexibility and strength.
- Advanced rubber compounding throughout the repair construction resists over cure and flex fatigue when the tire is returned to service.
- TOR Chemical repairs with grey chemical cushion gum are recommended for tires vulcanized with spotters or press systems.
- The repair unit should be installed with TECH Chemical Vulcanizing Fluid or Heavy Duty Blue Cement after the filler rubber has been cured.



Item No.	Description	Diag. Dim. (mm)	Plies	Box Qty.	
TOR1	TOR Bias Ply Repair	180	2	10	•
TOR2	TOR Bias Ply Repair	205	4	10	•
TOR3	TOR Bias Ply Repair	230	4	5	•
TOR4	TOR Bias Ply Repair	285	6	5	•
TOR5	TOR Bias Ply Repair	340	6	5	•
TOR6	TOR Bias Ply Repair	380	6	3	•
TOR7	TOR Bias Ply Repair	430	8	1	•
TOR8	TOR Bias Ply Repair	480	8	1	•
TOR9	TOR Bias Ply Repair	530	10	1	•
TOR10	TOR Bias Ply Repair	585	10	1	•

Refer to Applications chart page 38



TOR1R

TECH Bias Skidder Repairs

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



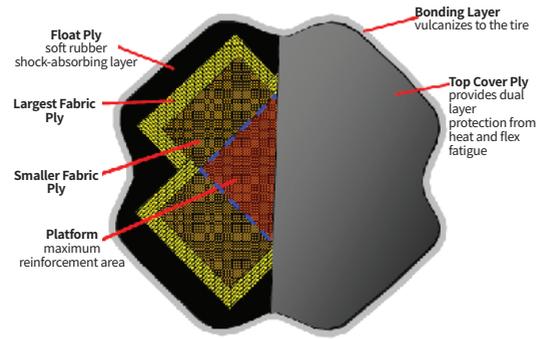
SK20R

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

Refer to Repair Applications Chart on page 38.

TECH BP Bias Ply Tire Repairs

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



603



604



605

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

Refer to Repair Applications Chart on page 39.



606



607



608

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

Refer to Repair Applications Chart on page 39.

TECH BPT Bias Ply Tractor Repair Units



620



621

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

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

Refer to Repair Applications Chart on page 39.

TECH BP THERMACURE Bias Ply Tire Repairs

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



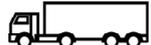
605R



603R



604R

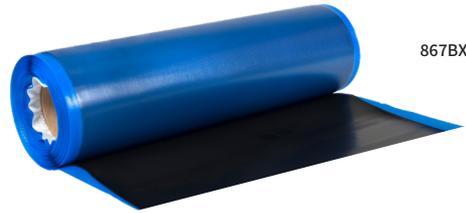
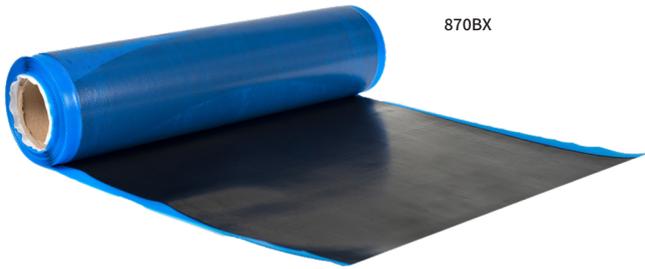
Item No.	Description	Dim. (mm)	Dim. (inches)	Plies	Box Qty.				
603R	BP-3R Thermacure Bias Ply Repairs	100	4	2	10	•	•	•	
604R	BP-4R Thermacure Bias Ply Repairs	130	5 ⁵ / ₁₆	4	10	•	•	•	
605R	BP-5R Thermacure Bias Ply Repairs	165	6 ¹ / ₂	4	10	•	•	•	
606R	BP-6R Thermacure Bias Ply Repairs	240	9 ⁹ / ₁₆	6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

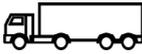
Refer to Repair Applications Chart on page 39.



TECH Vul-Gum Cushion Gum

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

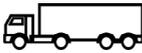


Item No.	Description	Dim. (mm)	Dim. (inches)	Roll Weight (lbs/kg)	Box Qty.			
849BX	VUL-GUM Cushion Gum	6 x 150	1/4 x 6	10 lbs. / 4.5 kg	1	•	•	•
850BX	VUL-GUM Cushion Gum	3 x 150	1/8 x 6	10 lbs. / 4.5 kg	1	•	•	•
862BX	VUL-GUM Cushion Gum	3 x 475	1/8 x 19	10 lbs. / 4.5 kg	1	•	•	•
867BX	VUL-GUM Cushion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

TECH Vul-Gum Stripping Stock

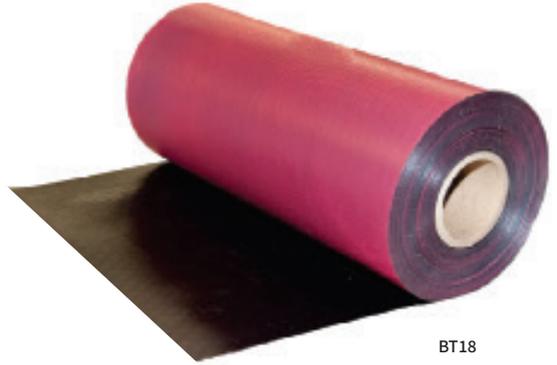
- Natural rubber compound provides excellent adhesion to prepared rubber surfaces.
- Suitable for floating repair units, filling skives, or spot repairs.



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

TECH Fabric Reinforced Rubber

Item No.	Description	Gauge & Width (mm/inches)	Roll Weight (kg/lbs)	Box Qty.
BT18RL	Square Woven Polyester	1.5 x 425 / 1/16 x 19	11.5 / 25	1
BN18RL	1 Ply Polyester Cord	.8 x 425 / 1/32 x 19	11.5 / 25	1



BT18

TECH Butyl Gum and Chemical Cure Rubber

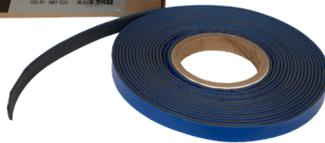
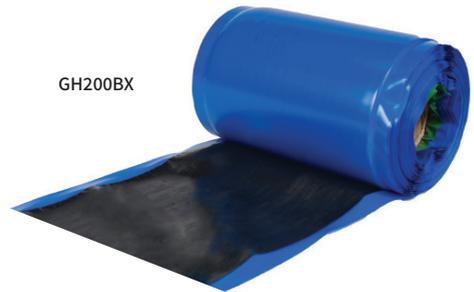
Heat Cure Inner Liner Repair Gum

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

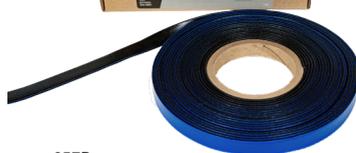
Chemical Cure Inner Liner Repair Gum

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

GH200BX



857A



857B

TECH A & B Compound

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



858

Item No.	Description	Can Weight (kg/lbs)	Box Qty.
857A	A & B Strip Rubber	.5 / 1	5
857B	A & B Strip Rubber	.5 / 1	5
858	A & B Compound Set	.5 / 1	1
859	A & B Compound Set	.9 / 2	1
130C	Cleanout Strip Rubber	0.5/1	5

TECH Rope Rubber

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

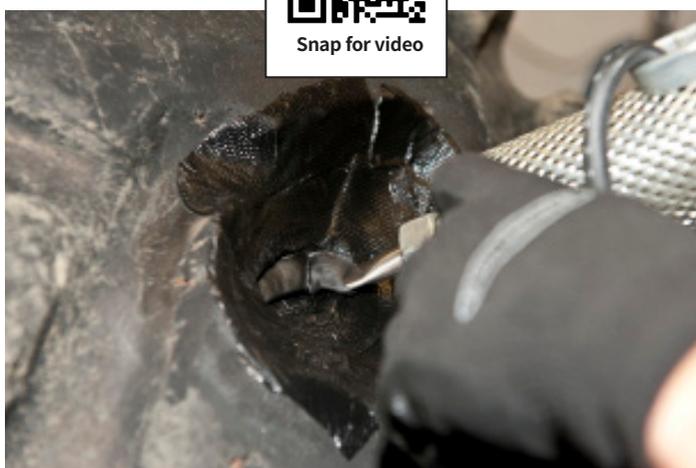


685S



TRRS

RR6



Choose LRRS for sidewall application and TRRS for tread applications

Item No.	Description	Diameter (mm/in.)	Package Qty. (lbs/kg)			
LRRS	ROPE RUBBER for Sidewall Applications	10mm / 3/8"	25 lbs. / 11.3 kg	•	•	•
TRRS	ROPE RUBBER for Tread Applications	10mm / 3/8"	25 lbs. / 11.3 kg	•	•	•

- Developed to repair surface damage and for cold (100°C) and hot (150°C) retreading processes

Item No.	Description	Diameter (mm/in.)	Package Qty. (lbs/kg)			
RR6	ROPE RUBBER	6mm	10.5 kg	•	•	•

TECH Extruders

- Manufactured in Italy by a dedicated team of in-house experts.
- Offer long-life span, durability and unrivalled performance.
- Designed to ensure perfect adhesion and uniformity when filling an injury, guaranteeing total elimination of air.



260-670P



685S



260-687



685P



260-687S



260-688

Item No.	Description	Weight (Kg)	Drill power (W)	Electric Power (W) - (V)	Rubber Production (Kg/H)
670P	EXTRUDER GUN TUBELESS	6	400	350-220	N/A
685EL	ELECTRICAL EXTRUDER GUN (BOSCH)	6	550	350-220	18
685P	NORMAL EXTRUDER GUN (CP)	5	400	350-220	15
685S	NORMAL EXTRUDER GUN (SALVADORI)	5	750	350-200	18
687	GIANT EXTRUDER GUN (BOSCH)	6	750	800-220	28
687S	GIANT EXTRUDER GUN (SALVADORI)	6	750	800-220	28
688	EARTHMOVER EXTRUDER GUN	11	1150	800-220	40

Maximum temperature 120°C



685EL

Extruder Gun Replacement Parts

Item No.	Description	Unit of Measure
68540	NORMAL EXTRUDER KIT	1
68640	MAGNUM EXTRUDER KIT	1
68740	GIANT EXTRUDER KIT	1
68840	EARTHMOVER EXTRUDER KIT	1



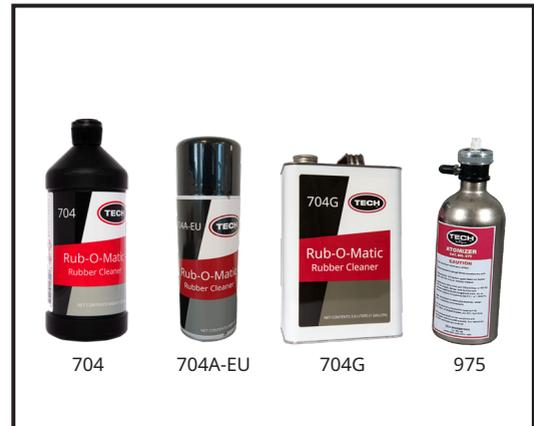
* Contents of 68540

TECH Chemicals

Rub-O-Matic Cleaner

- CFC-free pre-buff cleaner quickly and easily removes contamination, allowing for increased repair adhesion and extended buffing wheel life.

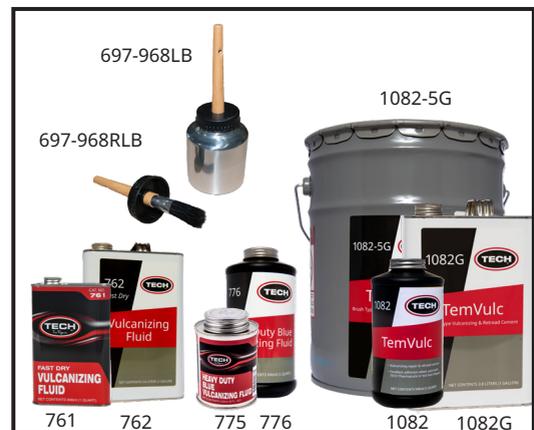
Item No.	Description	Unit of Measure
704	Rub-O-Matic Quart	945ml (1 Quart)
704A-EU	Rub-O-Matic Aerosol	400 ml
704G	Rub-O-Matic Gallon	3.8L (1 Gallon)
975	Atomizer Refillable Spray Bottle	470ml (16oz)



Vulcanizing Fluids

- Chemical Vulcanizing Fluid works with both TECH gray and Thermacure cushion gums to bond tire and tube repairs in hot or cold applications.
- Heavy Duty Blue Vulcanizing Fluid is an extra thick fluid, which works well with single coat coverage when applying large radial or bias repairs in hot or cold applications.
- Temvulc Vulcanizing Cement is a black, brush type cement which ensures maximum adhesion and better repair performance in heatcure applications. Temperature range 98°C to 160°C (210°F to 320°F).

Item No.	Description	Unit of Measure
760EL	Chemical Vulcanizing Fluid	235ml (8oz)
761	Chemical Vulcanizing Fluid	945ml (1 Quart)
762	Chemical Vulcanizing Fluid	3.8L (1 Gallon)
775	Heavy Duty Blue Vulcanizing Fluid	235ml (8oz)
776	Heavy Duty Blue Vulcanizing Fluid	945ml (1 Quart)
1082	TemVulc Vulcanizing & Retread Cement	945ml (1 Quart)
1082G	TemVulc Vulcanizing & Retread Cement	3.8L (1 Gallon)
1082-5G	TemVulc Vulcanizing & Retread Cement	19L (5 Gallon)
697-968LB	Aluminum Cement Dispenser 945ml	1
697-968RLB	Replacement Lid & Brush for 968LB	1



Chemicals

Item No.	Description	Unit of Measure
738	Security Coat	470ml (16oz)
739	Butyl Liner Repair Sealer	473ml (1 Pint)
705C	Citrus Based Rubber Cleaner	945ml (1 Quart)
706-1	Talc Tire Shaker	470 ml (16oz)



TECH Repair Tools & Accessories

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



Probes, Awls & Packing Tools

Item No.	Description	Box Qty.
915	SPIRAL CEMENT TOOL	Ea.
916	GIANT SPIRAL CEMENT TOOL for OTR Inserts	Ea.
918*	DUCK BILL AWL, 4", 100mm length	Ea.
919	POINTED TIRE INSPECTION AWL, 8", 200mm length (screwdriver-style handle)	Ea.
4922	HOOKED AWL	Ea.

*Item not shown



Brushes

Item No.	Description	Box Qty.
590	BRASS BRUSH	Ea.
TECH966	COPPER BRUSH	Ea.



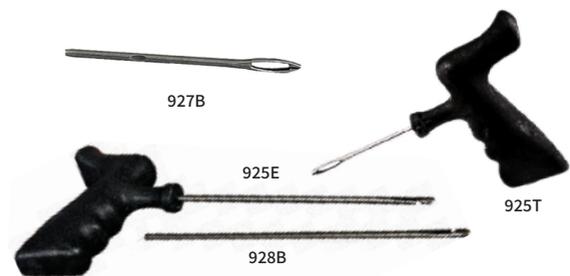
Stitchers & Scrapers

Item No.	Description	Box Qty.
933	RUBBER SCRAPER	Ea.
935	STITCHER/BUFFER	Ea.
938	STITCHER, 1 1/2", 38mm x 1/32", 0.8mm	Ea.
3-102-1	STITCHER, 1 1/2", 38mm x 1/8", 3mm	Ea.
3-102-3	STITCHER, 2", 50mm x 1/4", 6mm	Ea.



Insert Tools & Replacement Needles

Item No.	Description	Box Qty.
925T	PERMACURE TRUCK TOOL, 2 3/4", 70mm	Ea.
927B	PERMACURE TRUCK REPLACEMENT NEEDLE	Ea.
925E	PERMACURE EARTHMOVER TOOL, 6", 150mm	Ea.
928B	PERMACURE EARTHMOVER REPLACEMENT NEEDLE	Ea.



TECH Cutting, Stripping & Marking Tools



Cutting & Stripping Tools

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.
848	Pliers, 280 mm	Ea.
848-1	Pliers, 250 mm	Ea.
848-2	Pliers, 280 mm	Ea.
491-2	Shears for Rubber, 220mm	Ea.

Marking Tools



Item No.	Description	Box Qty.
946W	MARKAL TRADES-MARKER® WHITE Mechanical Marker Pencil with 12 refills	Ea.
946Y	MARKAL TRADES-MARKER® YELLOW Mechanical Marker Pencil with 12 refills	Ea.
947W	MARKAL QUIK STIK® WHITE Mini Twist Paint Marker	12
947Y*	MARKAL QUIK STIK® YELLOW Mini Twist Paint Marker	12
948	MARKAL B PAINTSTIK® WHITE Solid Paint Marker	12
948Y	MARKAL B PAINTSTIK® YELLOW Solid Paint Marker	12
950	MARKAL TYRE MARQUE® YELLOW Solid Paint Crayon, marks easily on wet or cold rubber surfaces for bold, visible marks	12
950W	MARKAL TYRE MARQUE® WHITE Solid Paint Crayon, marks easily on wet or cold rubber surfaces for bold, visible marks	12
951	MARKAL B PAINTSTIK® HEX WHITE Solid Paint Marker	12
951Y	MARKAL B PAINTSTIK® HEX YELLOW Solid Paint Marker	12
552	Large Marking Crayons, White Ø18	72
552-01	Large Marking Crayons, White Ø18	20
554	Small Marking Crayons, Yellow Ø14	12

*Item not shown



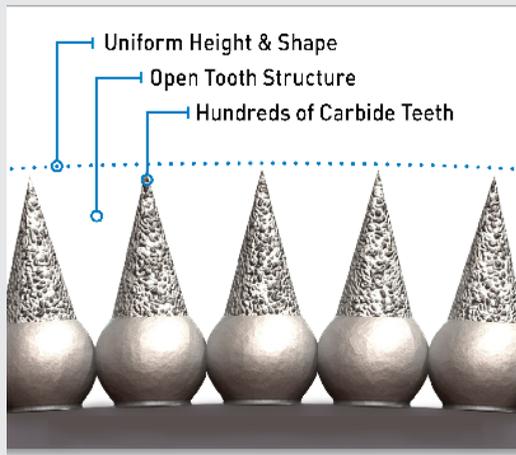
Choose the Right Adaptor for your Buffing Wheel:

1-1/4" – 2-1/2" Wheels use S1046

3" Wheels use S1047

3-1/2" Wheels use S1047XL

See page 45



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

Flared Contour Wheels

Item No.	Diameter	Width	Bore	Coating
RH100	1 3/4", 44.4mm	3/4", 19mm	3/8", 9.5mm	170 - Fine
RH112	3", 76.2mm	1 1/4", 31.7mm	3/8", 9.5mm	170 - Fine
OLVRH114*	3", 76.2mm	1 1/4", 31.7mm	3/8", 9.5mm	230 - Medium
OLVRH116*	3", 76.2mm	1 1/4", 31.7mm	3/8", 9.5mm	390 - Coarse
RH118-3/8	3 1/2", 88.9mm	1 1/2", 38.1mm	3/8", 9.5mm	170 - Fine
RH120	3 1/2", 88.9mm	1 1/2", 38.1mm	3/8", 9.5mm	230 - Medium
RH122	3 1/2", 88.9mm	1 1/2", 38.1mm	3/8", 9.5mm	390 - Coarse
RH107	2 1/12", 63.1mm	1 1/16", 26.9mm	3/8", 9.5mm	170 - Fine
RH109	2 1/12", 63.1mm	1 1/16", 26.9mm	3/8", 9.5mm	230 - Medium



RH100



RH112



OLVRH114*



OLVRH116*



RH118-3/8



RH120



RH122



RH107



RH109

Extreme Flared Contour Wheels

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

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



RH122X



RH116X



RH114X



RH120X

Poly Plugs For Flared Contour Wheels

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

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

*Items not shown



RH154



RH156



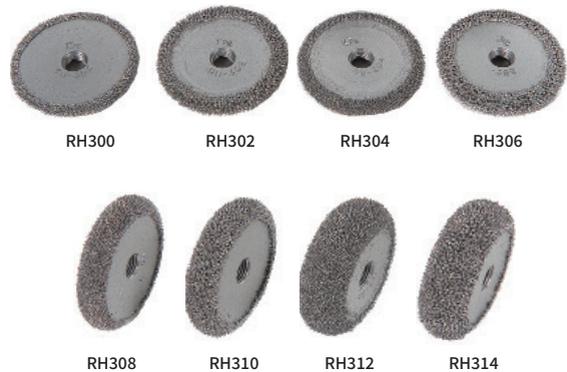
RH152

TECH Tire Repair Tools

Buzzout Wheels

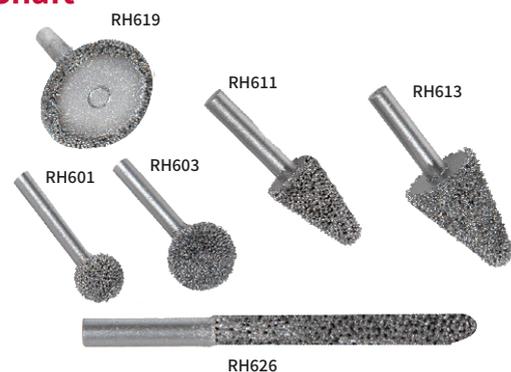
With a fully-rounded profile, buzzout wheels are free cutting and long lasting. Buzzout wheels are excellent for bias tires, and used for skiving on high-tread radial tires. Not recommended for contact with steel cord. Use S1046 Adaptor.

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



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

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



Use S1044 Adaptor

* Items not shown

4-Piece 1/8" Shaft Repair Kit

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

Use S1043 Adaptor



Buffing Stones

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

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

Use S1047XL Adaptor



TECH Buffing Wheels, Tungsten Carbide Rasps & Cups

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

Wheels



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

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

Round Faced Rasps



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

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

Pencil Rasps, Tapered Cone Rasps



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

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

Contour Cups



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

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

TECH Tire Repair Tools

Self Cooling Wheels

Item No.	Description	Size (mm)	Hole	Grit
22-01	Self Cooling Wheel for Finishing	65 x 15	3/8"	36/ 60
22-03	Self Cooling Wheel for Finishing	50 x 5	3/8"	36
22-04	Self Cooling Wheel for Finishing	50 x 5	3/8"	16
22-05	Self Cooling Wheel for Finishing	50 x 10	3/8"	36
22-06	Self Cooling Wheel for Finishing	50 x 10	3/8"	16
22-07	Self Cooling Wheel for Finishing	50 x 12	3/8"	36
22-08	Self Cooling Wheel for Finishing	50 x 12	3/8"	16
22-09	Self Cooling Wheel for Finishing	50 x 19	3/8"	36
22-10	Self Cooling Wheel for Finishing	50 x 19	3/8"	16



22-01



22-03



22-04



22-05



22-06



22-07



22-08



22-09



22-10

Conical Wheels

Item No.	Description	Size (mm)	Grit
22-11	Conical Wheel	20 x 50	36
22-12	Conical Wheel	20 x 50	16
22-13	Conical Wheel	20 x 102	36
22-14	Conical Wheel	20 x 102	16



22-12



22-13



22-14

Curved Profile Wheel - Copper

Item No.	Description	Size (mm)	Grit
TCW315	Curved Profile Wheel	76 x 38	60
TCW415	Curved Profile Wheel	102 x 38	36



TCW315



TCW415

TECH Wire Brushes

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

Encapsulated Wire Brushes



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

Use S1046 Adaptor

Wire Brushes



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

Radial Skive Brushes

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



TECHRSB3E

TECHRSB3

S1046D

Rubber Encapsulated Brush

Item No.	Description
404	RUBBER ENCAPSULATED BRUSH, Ø 75 x 12mm, 12,7mm Hole Size
409	PVC ENCAPSULATED BRUSH, Ø 75 x 8mm, 14mm hole size



404

409

TECH Buffing Stones

Aluminum Oxide Stones

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



Grinding Stones

Item No.	Description	Size (mm)	Stem (mm)	Grit
355	White Disk Grinding Stone	40 x 10	6	80
372B	White Disk Grinding Stone	30	6	80
359	White Conical Grinding Stone	65 x 20	6	80
360	White Conical Grinding Stone	8 x 25	6	80
374	White Conical Grinding Stone	20 x 40	6	80
375B	White Conical Grinding Stone	10 x 30	6	80
358	White Spherical Grinding Stone	20	6	80
371	White Spherical Grinding Stone	38	6	46



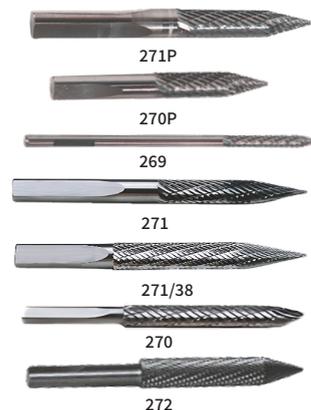
CAUTION: Always wear eye protection.

TECH Carbide Cutters & Burrs

Carbide Cutters

- Removes damaged steel cables within tire injuries.
- Made from high-quality carbide steel for efficient damage removal and long life.
- 1,200 RPM maximum.

Item No.	Description	Length (in)	Length (mm)	Injury Size (in)	Injury Size (mm)	Adaptor
269	Carbide Cutter	3	75	1/8	3	S1043
C4,5	Carbide Cutter	4.5	90		4.5	-
270	Carbide Cutter	3	75	1/4	6	S1040
270P	Carbide Cutter	2	50	1/4	6	S1040
271	Carbide Cutter	4	100	5/16	8	S1041
271P	Carbide Cutter	3	75	5/16	8	S1041
271/38	Carbide Cutter	4 9/16	120	3/8	10	S1041/38
272	Carbide Cutter	5	125	1/2	13	S1041/38



Diamond-Cut Burrs

- Diamond-Cut Burrs are a quick and efficient way to remove loose wire when making a section repair.

Item No.	Description	Length (in)	Length (mm)	Shaft Size (inch)	Shaft Size (mm)
280	MINI POINTED CARBIDE BURR	1 1/4	30	1/8	3
282	POINTED END BURR	2	50	1/4	6
283	MINI-ROUTER CARBIDE BURR	1 1/2	40	1/8	3
284	ROUTER CARBIDE BURR	2 1/2	65	1/4	6
286	BALL-SHAPED CARBIDE BURR	2 3/4"	70	1/4	6

For best results use buffer with speeds of 20,000 to 30,000RPM



Carbide Cutters

Item No.	Description	Cutting Diameter (mm)	Length (mm)	Injury Size (mm)
359-02	Carbide Cutter	3	70	3
359-53	Carbide Cutter, stem ø 6mm	4.5	90	4.5
359-06	Carbide Cutter	6	80	6
359-05	Carbide Cutter	8	80	8
359-03	Carbide Cutter	10	100	10

For best results use with low speed grinder, 2800-4500RPM



CAUTION: Always wear eye protection.

TECH Rotary Gouges

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

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

Use S1046 Adaptor

CAUTION: Always wear eye protection.



Rotary Gouges - Earthmover

- Robust cutting edge designed for use on OTR Tires.

Item No.	Description	Size (mm)	Box Qty.
476-1	Rotary Gouge	30"	1
477-1	Rotary Gouge	50"	1
478-1	Rotary Gouge	50"	1

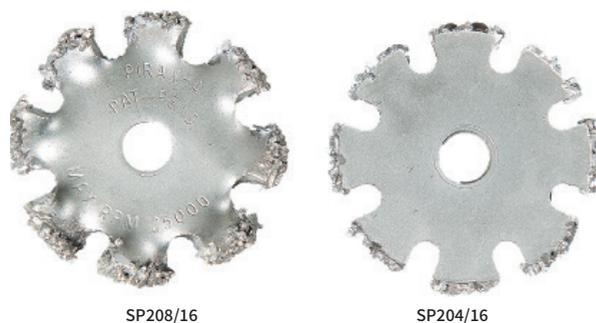
Use 541-5 Adaptor



TECH Buffing Rasps

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

Use S1046 Adaptor



TECH Air Tools & Accessories



Buffers

Item No.	Description
S1032AC	LOW RPM GEAR HEAD REAR EXHAUST AIR BUFFER Ideal for preparing all rubber surfaces. Three gear head produces 2600 max. rpm at 90 psi. Complete with exhaust hose and quick change chuck.
S1036	LOW RPM GEAR HEAD REAR EXHAUST AIR BUFFER ideal for preparing all rubber surfaces. 4000 max. rpm at 90 psi. Threaded arbor $\frac{3}{8}$ ", 24 thread. Optional S1037 rear exhaust kit available. Chuck and key sold separately.
S1039	HIGH RPM REAR EXHAUST AIR BUFFER excellent for preparing steel cables. 22000 max. rpm at 90 psi. Threaded arbor $\frac{3}{8}$ ", 24 thread. Optional S1037 rear exhaust kit available. Chuck and key sold separately.
SLP6550	500 RPM HIGH TORQUE SKIVING AIR BUFFER threaded arbor $\frac{3}{8}$ " with quick chuck.
CP871C	LIGHT DUTY HIGH SPEED TIRE BUFFER 22000RPM
CP873C	LOW SPEED TIRE BUFFER 2800RPM
CP873C-HD*	HD HEAVY DUTY TIRE BUFFER Short 3500RPM
CP873C-HDES*	HDES HEAVY DUTY TIRE BUFFER Long 3500RPM
561	Silenced Grinder, 65mm Shaft size, 14600 RPM, 1.5kg
564	Silenced Grinder, 125mm Shaft Size, 7.200 RPM, 3.20kg
S1010C	JACOBS CHUCK for S1036 and S1039
S1045	QUICK CHANGE CHUCK for S1036 and S1039. Fits $\frac{3}{8}$ ", 24 thread spindle.

*Item not shown

TECH Air Tools & Accessories



Drills & Hammers

Item No.	Description
S1035	500 RPM REVERSIBLE DRILL excellent for removing damaged rubber and steel. Complete with quick change chuck and exhaust kit. For use with carbide cutters 269-272, max. 90 psi.
S990	RAPID ACTION AIR HAMMER recommended tool for agricultural, truck and OTR repair installation. Develops 3700 strikes per minute at 90psi. Comes with safety chuck holder.
S992*	Repair Installation Hammer, $\frac{1}{2}$ " ^M , 15mm Diameter

*Item not shown

TECH Adaptors, Chucks & Accessories



Item No.	Description
S1040	QUICK CHANGE ADAPTOR for No. 270 and No. 270P carbide cutters. For use in S1045 quick change chuck.
S1041	QUICK CHANGE ADAPTOR for No. 271 and No. 271P carbide cutters. For use in S1045 quick change chuck.
S1041/38	QUICK CHANGE ADAPTOR designed to accept a No. 271/38 and No. 272 carbide cutter. Use 912 Allen Wrench for tightening. (not shown)
S1043	1/8" QUICK CHANGE ADAPTOR permits use of tools with 1/8", 3mm shank to be adapted to S1045 chuck.
S1044	1/4" QUICK CHANGE ADAPTOR permits use of tools with 1/4", 6mm shank to be adapted to S1045 chuck.
S1046	QUICK CHANGE SHORT ADAPTOR 3/8", 24 thread. One flat washer, one nut included. 1/2", 13mm thread length.
S1046D	QUICK CHANGE ADAPTOR for RSB-3 brush.
S1047	QUICK CHANGE LONG ADAPTOR 3/8", 24 thread. One flat washer, one nut included. 1", 25mm thread length.
S1047XL	QUICK CHANGE EXTRA LONG ADAPTOR 3/8", 24 thread. One flat washer, two nuts included. 1 3/4", 45mm thread length. For rasps, buffing wheels & brushes where extra length is required.
S1048	DRILL CHUCK SHORT ADAPTOR 3/8", 24 thread. 1 1/2", 40mm thread length. For use with S1010 drill chuck.
S1049	DRILL CHUCK LONG ADAPTOR 3/8", 24 thread. 2 3/4", 70mm thread length. Two nuts included. For use with S1010 drill chuck.
S1010C	JACOBS CHUCK for S1036 and S1039
S1045	QUICK CHANGE CHUCK for S1036 and S1039. Fits 3/8", 24 thread spindle.

Hexagonal Stem Tool Carrier

Item No.	Description
543-2*	Tool Carrier for Grinder Wheel, Stem 3mm
543	Tool Carrier for Grinder Wheel, Stem 6mm
544	Tool Carrier for Grinder Wheel, Stem 8mm
544-1	Tool Carrier for Grinder Wheel, Stem 10mm
541-2	Tool Carrier, 12x20mm, for Brushes
541-5	Tool Carrier for Gouges, Diameter 30-50mm
539	Tool Holder Chuck, Connection Thread 3/8"



*Item not shown

Monaflex Tire Repair Systems

Portable hot vulcanisation tire repair systems backed by decades of experience.

- X-TYPE COMPONENTS - The X-Type generation of Heat Pads includes additional reinforcements to maximise component strength whilst maintaining flexibility and ease of use.
- SIDEWALL AND BEAD REPAIRS - Specialist sidewall and bead systems compliment the standard Monaflex custom system. More sizes are now covered than ever before.

The Monaflex system increases productivity and saves money in 5 ways:

1. **FASTER REPAIRS**
Quicker than other systems, heat and pressure are applied in and outside of the tyre. The patch and plug can be cured together meaning a quicker cure time.
2. **LONGER LASTING REPAIRS**
Heavy duty-airbags provide consistent pressure and conform perfectly to the profile of the tyre. The result is a distortion free, feather edged repair which is stronger than any other.
3. **TOUGH DESIGN, SUPERIOR QUALITY**
Monaflex operates a stringent manufacturing quality assurance system to ensure all Monaflex equipment is ready to face the harshest environment with full warranty protection.
4. **PORTABLE AND EASY TO USE**
Designed for easy assembly by a single operator, the Monaflex system is so easy to transport and store.
5. **A SYSTEM TAILORED TO YOUR NEEDS**
Lower initial start up costs by only purchasing the components you need for your current tire range. You can expand as your business does. The full Monaflex system covers a wider range than any other on the market. Each standard system can repair the sidewall, shoulder and crown.



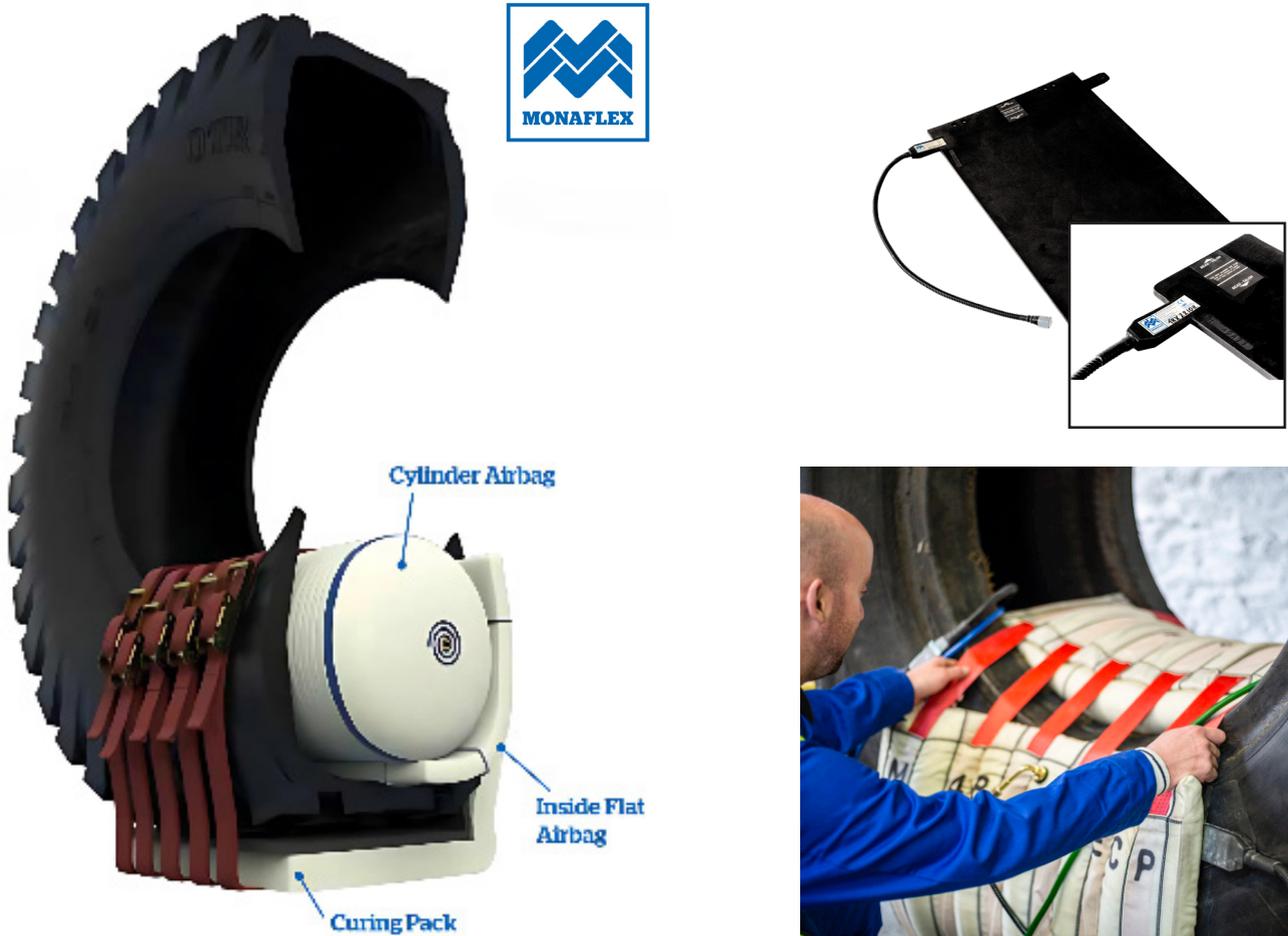
XLBRS for 57" & 63" Tires



	Custom OTR	OTRS	MOTRS	XL OTRS	MBRS	XL BRS
Best for	Our most popular system that covers all situations	Workshops with a higher volume of sidewall repairs			Fixes accidental bead damage	
Size range	All tire sizes can be tailored to you	14:00-24 to 29.6-29	27.00R49 to 45/65R45	57" and 63"	18:00R25 to 45/65R45	40.00R57 and 59/85R63
Sidewall	✓	✓	✓	✓		
Crown	✓					
Shoulder	✓					
Bead					✓	✓
Radial	✓	✓	✓	✓	✓	✓

Monaflex OTR Vulcanizing Systems

- In addition to the popular Monaflex Repair Systems, they can also be customized for specific tire size requirements.
- TECH has experts on hand to help you custom build repair systems to suit your needs.



Custom System #1 Customised Option for Small to Medium OTR Tires

- This set is suitable for tire sizes from 13.00R20 to 29.5R25.
- Suitable for (but not limited to) sizes including 13.00R20, 17.5-25, 20.5R25, 23.5R25, 26.5R25, 29.5R25, 21.00 - 33, 21.00R33, 24.00R35.

Item No.	Description
TR1315/20W	Cylinder Airbag Window
M1721/24W FRB	Flat Round Airbag
M4824W	Flat Airbag Window
TR2621E	External Curing Pack, 5 Strap
TROC 5XL	Set of TROC XL Straps (use with TR2621E)
MX2519H	X Type Heat Pad, Lead Length 2m
TRX2621H	X Type Heat Pad, Lead Length 2m
MX3015H	X Type Heat Pad, Lead Length 2m
M100R	Control Panel - Controls 2 heat pads and 3 airbags. Adjustable temperature and inline air gauges. R-type connectors.

Custom System #2 Customised Option for Small, Medium & Giant OTR Tires

- This set is suitable for tire sizes from 13.00R20 to 40.00R57.
- Suitable for (but not limited to) tire sizes including 13.00R20, 17.5-25, 20.5R25, 23.5R25, 26.5R25, 29.5R25, 21.00 - 33, 21.00R33, 24.00R35, 27.00R49, 33.00R51, 35/65R33, 40.00R57

Item No.	Description
TR1315/20W	CABW
M1721/24W FRB	CABW
M2732/32W	CABW
M3842/32W	CABW
M4824W	FABW
M5432W	FABW
TR2621E	5 Strap ECP
TROC 5XL	5 Straps
M4832E	6 Strap ECP
M45/6/7 (1HG)	6 Straps
MX3132H	X Type Heat Pad, ext, Lead length 2m
MX2626H	X Type Heat Pad, Lead length 2m
TRX2621H	X Type Heat Pad, ext, Lead length 2m
MX2519H	X Type Heat Pad, Lead length 2m
MX3015H	X Type Heat Pad, Lead length 2m
MX4220H	X Type Heat Pad, Lead length 2m
MX5224H	X Type Heat Pad, Lead length 2m
M100-R	Control Panel R type connectors



TRDD*X R Type Connectors Truck Repair System, for Truck & Agri Tires

- This set is suitable for tire sizes from 8.25 section to f.e. 445/65 section
- Suitable for (but not limited to) tire sizes including 215/75R17.5 , 225/75R17.5 , 235/75R17.5, 245/70R17.5 245/70R19.5, 265/70R19.5, 275/70R22.5, 285/70R19.5, 295/60R22.5, 295/80R22.5, 315/80R22.5, 315/60R22.5 315/70R22.5, 355/50R22.5, 385/55R22.5, 385/65R22.5, 385/55R22.5, 385/65R22.5, 12R22.5, 13R22.5,
- 425/65R22.5, 425/65R22.5, 435/50R19.5 , 445/45R19.5, 445/65R22.5 , 280/85R20

Item No.	Description
TRRS D-R	Control Panel - controls 2 heat pads and 2 airbags. R type connectors
TRX2213H (220V)	X Type Heat Pad, Lead length 1m
TRX2210H (220V)	X Type Heat Pad, Lead length 1m
TR911/13W FRB	Flat Round Airbag Window
TR1315/15W FRB	Cylinder Airbag Window
TR2213E (4 Strap)	External Curing Pack Air Bag
TROC4	Set of four TROC straps (use with TR2213E)



TECH Workshop Tools & Equipment

Universal Thermo Press

- Vulcanizer for car, truck, tractor and EM tyres (23.5”) and for inner tubes. Enables fast repairs on tire sidewall, shoulder and tread. Low temperature, high-pressure operation. Specially designed to ensure an even vulcanization even in large Earthmover tires.

Item No.	Description	Box Qty.
470-717	Universal Thermo Press	1
71502	Thermostat for Thermo Press	1
71501	Heating Plate, 150°C 180x100mm	1
71505	Heating Plates, 170°C 150x220mm	2
71503	Pressure Equalizing Cushion, 170x140mm	1
71507*	Pressure Equalizing Cushion, 200x200mm	1
71504	Pressure Equalizing Cushion, 200x300mm	1

*Item not shown



470-717



71502



71501



71505



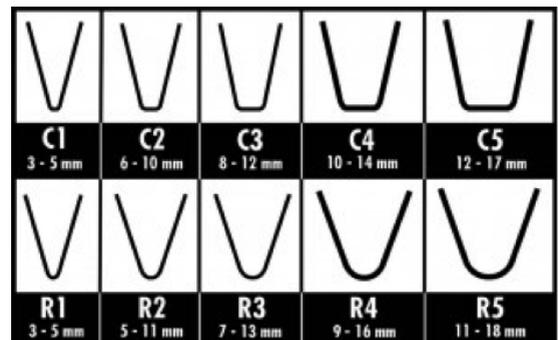
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71503

Regroover

- The PS15 OTR includes a 1000W transformer, 5 heating positions and a zero setting.
- This unit is specially designed for intensive regrooving with R5, C5 and C6 blades.

Item No.	Description	Box Qty.
PS15OTR	Regroover, 1000 watt	1
PS15/C-1	Angle Blade, 3-5mm	20
PS15/C-2	Angle Blade, 6-10mm	20
PS15/C-3	Angle Blade, 8-12mm	20
PS15/C-4	Angle Blade, 10-14mm	20
PS15/C-5	Angle Blade, 12-17mm	20
PS15/C-6	Angle Blade, 20-28mm	10
PS15/R-1	Round Blade, 3-5mm	20
PS15/R-2	Round Blade, 5-11mm	20
PS15/R-3	Round Blade, 7-13mm	20
PS15/R-4	Round Blade, 9-16mm	20
PS15/R-5	Round Blade, 11-18mm	20



TECH Retreading Tools

Gouges

- Used to de-tread and remove rubber during the tire buffing stage.
- For use with a low speed grinder.

Item No.	Description	Size (mm)
471	Gouge, Cylindrical	90 x 40
472	Gouge, Cylindrical	100 x 45
472-1	Gouge, Cylindrical	120 x 60
473	Gouge, Cylindrical	125 x 60
473-1	Gouge, Toothed	160 x 65
474	Gouge, Conical	70 x 30 x 40
475	Gouge, Conical	80 x 40 x 70
479	Gouge, Conical	100 x 60 x 90
479-1	Gouge, Conical	130 x 55 x 115
479-2	Gouge, Conical	150 x 55 x 135



Grooving Blades

- Used to regroove OTR Tires, after their vulcanization.

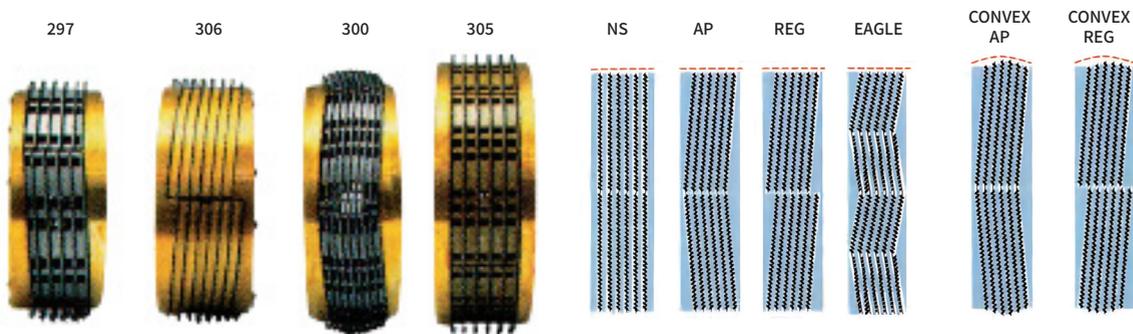
Item No.	Description
479-5	Grooving Knife, R25 OTR
479-6	Grooving Knife, R15
479-7	Grooving Knife, R30



Tire Buffing Rasps

Item No.	Description	Hole (mm)	Height (mm)	Pins Ø(mm)	Exterior Ø (mm)
296*	Tire Buffing Rasp, R 4 AP CONVEX	32	96	6.3	230
297	Tire Buffing Rasp, LL II AP BANDAG	32	96	8	227
298*	Tire Buffing Rasp, LL II AP USA	32	96	6.3	227
299*	Tire Buffing Rasp, LL III AP	40	96	8	305
300	Tire Buffing Rasp, LL III AP CONVEX	40	96	8	305
301*	Tire Buffing Rasp, R 156 AP	25	96	6.3	155
302*	Tire Buffing Rasp, R4 AP	25	96	6.3	227
303*	Tire Buffing Rasp, R 4 NS	32/40	85	6.3	227
305	Tire Buffing Rasp, R 115 NS	32	78	8	290
306	Tire Buffing Rasp, R 105 AP	Regular	102	8	265

*Items not shown



Tire Brander

- Allows retreaders and tire technicians to quickly and easily brand tires for proper identification

Item No.	Description	Box Qty.
812	Tire Brander	1
813	Letters & Numbers	1
814	Heater For Tire Brander	1



TECH Workshop Tools & Equipment

Bead Breakers

- Bead Breakers are expertly engineered and manufactured in Italy by our dedicated team of in-house experts. They are world-renowned for their long-life span, durability, and unrivalled performance.

Item No.	Description	Power (kg)	Weight (kg)	Rim Size (in)	Application
254SP	Hydraulic Bead Breaker - Earthmover	4700	18.5	25 to 57	3 Piece Rims
254SP LONG	Hydraulic Bead Breaker - Earthmover	4700	17.4	25 to 57	3 Piece Rims
255S	Hydraulic Bead Breaker - Earthmover	19700	8	25 to 51	5 Piece Rims
255STURNABLE	Hydraulic Bead Breaker - Turnable	19700	8	25 to 51	5 Piece Rims
256S	Hydraulic Bead Breaker - Earthmover	19700	8	25 to 51	5 Piece Rims
273	Hydraulic Bead Breaker - Giant OTR		24.5	51 to 63	



254SP



254SP LONG



255S



255STURNABLE



256S



273

Bead Breaker Accessories

Item No.	Description
257	Central Hydraulic Unit, 700 Bar, 1.4Lt
270	Central Hydraulic Unit, 700 Bar, 5Lt
259	Flexible Hose, 2000mm Length
254S1	Claw for rims inner side, 210mm Length
254S2	Claw for rims inner side, 250mm Length
255SH9A	Claw for 255S - 30x8x78x43mm
255SH9B	Claw for 255S - 29x10x78x43mm
255SH9C	Claw for 255S - 36x10x100x50mm
255SH9D	Claw for 255S - 30x9x85x37mm



257



270



259



254S1



254S2



255SH9A



255SH9B



255SH9C



255SH9D

Workshop Tools & Equipment

- To facilitate handling of OTR tires

Item No.	Description	Dimensions (mm)	Max. Load (kg)	Max. Tire Ø (mm)	Weight (kg)	Fork size (mm)
720	Mobile Station for Earthmover Tires up to 35"	1500x790x1970	1000	1700	220	1100x500



Metal plate with rolls

Item No.	Description	Dimensions (mm)	Max. Load (kg)	Max. Tire Ø (mm)
721	Metal plate for use with 720	720x540	100	1700



TECH Tire & Wheel Service Products

Retrofit OTR TPMS Kit

- Compliant to R141 EU regulation, offers a complete solution for OTR tires.
- Easy, fast and problem-free installation process.
- Both internal and external sensors.
- The system is configured with a Smartphone and NFC technology.



FL-105-EM



FL-110



FL-115



FL-200



FL-400



FL-900

Item No.	Description	Frequency
FL-105-EM	EM Flow-through (large bore) sensor NFC	433 Mhz
FL-110	Flexi sensor NFC short 160mm	433 Mhz
FL-115	Flexi sensor NFC long 240mm	433 Mhz
FL-200	Receiver BLE enabled	
FL-400	Display unit	
FL-900	Installation tool kit for external sensors	

OTR TPMS

- The #360OTR™ Tire Pressure Monitoring System is designed to handle environments at mines (surface and underground), quarries, construction sites and ports to provide accurate and reliable digital tire pressure readings for the OTR tires on your equipment.
- Quick installation and simple programming
- Off-vehicle data communication integration
- Wireless digital tire checks

Item No.	Description
6110	TPMS Kit OTR Tires, 4 Wheels
6113	TPMS Kit OTR Tires, 6 Wheels

Kit contains OTR TPMS Sensors, Smartlink Tablet, Antenna Kit, Monitor Mounting bracket



6110
Kit TPMS



6113
Kit TPMS

OTR Temporary Tire Sealant

- Heavy Duty Tire Sealant for industrial applications in OTR and agricultural tires.
- Suitable for puncture wounds up to 12mm.
- Reduces downtime and maintenance costs.

Item No.	Description
001S-025-DR25	Heavy Duty Tyre Sealant 25Ltr
PUMP-100-TP01	100ml Dosing pump
PUMP-250-TP01	250ml Dosing pump
VHJ450	Large Bore Core (short) TRC2
VH675	CORE REMOVING TOOL



001S-025-DR25



PUMP-100/250-TP01



VHJ450

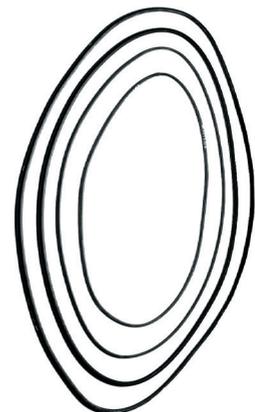


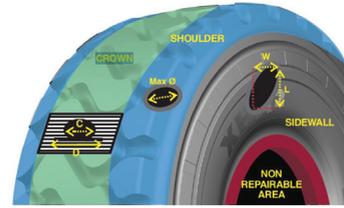
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O-Rings

- Standard and Arctic O-Rings for tubeless rims are manufactured to OEM specifications for a wide range of multipiece rim O-ring grooves. O-rings are produced in a standard compound for -40°F to 180°F (-40°C to 82.2°C), and Arctic compound for -65°F to 180°F (-53.8°C to 82.2°C) applications.

Item No.	Application	Rim Ø	Rod Ø	Box Qty.
OR24JM	Highway (JM)	24"	0.26	2
OR220TG	Grader	20"	0.26	2
OR224TG	Grader	24"	0.26	2
OR-225-T	Grader	25"	0.26	2
OR25T	Earthmover (Small)	25"	0.26	2
OR325T	Earthmover	25"	0.375	2
OR329T	Earthmover	29"	0.375	2
OR333T	Earthmover	33"	0.375	2
OR335T	Earthmover	35"	0.375	2
OR339T	Earthmover	39"	0.375	2
OR345T	Earthmover	45"	0.375	2
OR349T	Earthmover	49"	0.375	2
OR451T	Earthmover	51"	0.50	2
OR457T	Earthmover	57"	0.50	2
OR463T	Earthmover	63"	0.50	2





Sidewall Injury		Shoulder Injury		Crown Injury		Earthmover Tire Sizes			
Width inches (mm)	Length inches (mm)	Diameter inches (mm)	C=Hole Diameter D= Additional inside radial ply length inches (mm)	14.00 - 16.00 15.5 - 20.5 385/95-445/95	18.00 - 21.00 23.5 - 26.5* 25/65-30/65 505/85-775/65 *1-2 STAR	24.00 - 27.00 26.5 - 33.5* 35/65 800/65-875/65 *3-4 STAR	30.00 - 37.00 37.25 - 37.50 40.5/75 40/65-45/65	40.00 - 45.00 48/95-50/90 55/80-60/80 50/65-65/65 46/50-59/50	
3/8 (10) 3/8 (10)	3 (75) 4 3/8 (110)		3/8 (10)	42 42	42 42	42 44	CT42 CT44	CT46A CT46A	
3/4 (20) 3/4 (20) 3/4 (20)	2 (50) 5 1/2 (140) 8 (200)		C=3/4 (20) D=1 3/4 (45)	CT45A or CT46A CT46A	CT45A or CT46A CT50A	CT45A or CT52A CT50A	CT44A or CT52A CT50A	CT56A or CT56A CT56A	
		3/4 (20)		CT46A	CT46A	CT50A	CT52A	CT64A	
			C=1 (25) D=1 1/2 (40)	CT45A or CT46A	CT45A or CT46A	CT45A or CT52A	CT45A or CT52A	CT55A or CT58A CT58A	
1 (25) 1 (25)	5 (125) 10 (250)			CT46A or CT50A CT50A	CT46A or CT50A CT50A	CT50A or CT52A CT50A	CT50A or CT52A CT52A	CT58A or CT58A CT64A	
		1 (25)		CT46A	CT46A	CT52A	CT52A	CT58A	
1 1/4 (32mm)	10 (250)		C=1 1/2 (40) D=3 (75)	CT45A or CT46A	CT45A or CT50A	CT52A or CT52A	CT52A or CT58A	CT58A or CT58A	
1 1/2 (40) 1 1/2 (40) 1 1/2 (40) 1 1/2 (40)	3 1/2 (90) 10 (250) 14 (355) 16 (400)			CT50A or CT56A CT56A	CT50A or CT56A CT56A	CT52A or CT56A CT56A	CT52A or CT58A CT58A	CT60A or CT60A CT60A CT60A	
		1 1/2 (40)		CT50A	CT50A	CT52A	CT52A	CT64A	
			C=2 (50) D=4 (100)	CT55A or CT50A	CT55A or CT52A	CT55A or CT52A	CT65A or CT58A	CT65A or CT58A	
2 (50) 2 (50) 2 (50) 2 (50) 2 (50)	8 (200) 11 (275) 14 (355) 19 (475) 22 (560)			CT50A or CT52A CT52A	CT50A or CT52A CT52A	CT52A or CT58A CT56A	CT52A or CT62A CT60A	CT60A or CT60A CT60A CT64A CT66A	
		2 (50)		CT50A	CT50A	CT52A	CT56A	CT64A	
			C=2 1/2 (65) D=3 3/4 (95)	CT55A or CT52A	CT55A or CT52A	CT65A or CT52A	CT65A or CT58A	CT65A or CT58A	
2 1/2 (65) 2 1/2 (65)	8 (200) 14 (355)			CT52A	CT52A	CT56A or CT58A	CT56A or CT60A	CT64A or CT64A	
		2 1/2 (65)		CT56A	CT56A	CT56A	CT58A	CT66A	
2 3/4 (70) 2 3/4 (70)	8 (200) 14 (355)			CT52A	CT52A	CT56A or CT58A	CT56A or CT60A	CT64A or CT66A	
			C=3 (75) D=3 1/2 (90)	CT55A or CT52A	CT65A or CT52A	CT65A or CT56A	CT75A or CT58A	CT75A or CT58A	
3 (75) 3 (75) 3 (75) 3 (75) 3 (75) 3 (75)	6 (150) 11 (275) 14 (355) 16 (408) 18 (457) 20 (508)			CT52A	CT52A	CT56A or CT58A CT60A	CT58A or CT62A CT64A	CT64A or CT64A CT66A CT66A CT68A	
		3 (75)		CT56A	CT56A	CT56A	CT64A	CT66A	
			C=3 1/2 (90) D=5 1/2 (140)	CT56A	CT56A	CT75A	CT75A or CT60A	CT85A or CT60A	
3 1/2 (90) 3 1/2 (90) 3 1/2 (90)	7 1/2 (190) 10 (250) 15 (380)			CT52A	CT52A	CT56A or CT58A CT60A	CT62A or CT64A CT64A	CT64A or CT66A CT66A	
		3 1/2 (90)		CT56A	CT56A	CT60A	CT64A	CT66A	
			4 (100)	CT56A	CT56A	CT75A	CT75A	CT85A	
4 (100) 4 (100) 4 (100) 4 (100) 4 (100) 4 (100)	5 (125) 6 (150) 9 (225) 11 (275) 12 1/2 (315) 14 (355)			CT52A	CT52A or CT56A CT58A	CT58A or CT60A CT60A	CT62A or CT64A CT64A	CT66A or CT68A CT68A CT68A	
		4 (100)		CT56A	CT56A	CT60A	CT64A	CT68A	
4 3/4 (120) 4 3/4 (120) 4 3/4 (120) 4 3/4 (120)	6 (150) 8 (200) 10 (250) 12 (305)			CT56A	CT56A	CT58A	CT64A or CT64A	CT68A or CT68A CT68A	
			C=5 (125) D=7 (180)	CT85A	CT85A	CT85A	CT85A	CT85A	
5 (125) 5 (125)	5 (125) 8 (200)			CT58A or CT62A	CT58A	CT64A or CT64A	CT64A or CT64A	CT68A or CT68A CT68A	
			C=5 1/2 (140)	CT85A	CT85A	CT85A	CT85A	CT85A	
6 (150) 6 (150) 6 1/2 (165)	3 (75) 5 (125) 5 (125)			CT62A	CT62A	CT64A or CT64A	CT64A or CT64A	CT68A or CT68A CT68A	

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

RADIAL TIRE SIZE	NON-REPAIRABLE BEAD AREA "A"	
16.00R, 18.00R 21.00R 24.00R	5"	125mm
27.00R, 30.00R, 33.00R	6"	150mm
36.00R	8"	200mm
37.00R, 40.00R	10"	255mm
17.5 R, 20.5 R	3-1/4"	80mm
23.5R, 25/65R, 26.5R, 29.5R, 30/65R	5"	125mm
33.25R, 33.5R, 35/65R, 37.25R, 37.5R	6-1/4"	160mm
40/65R, 40.5R, 40.5/75R, 45/65R, 48/95R, 50/65R	6-3/4"	170mm
50.5R, 53.5R, 55.5R & larger	12"	305mm

The above dimension are guidelines only. Injuries reaching to the ply turn-up area should not be repaired.

DETERMINING CROWN INJURY REPAIR AREA (T-T AREA)

Radial/OTR Crown Dimensions (T-T Area)

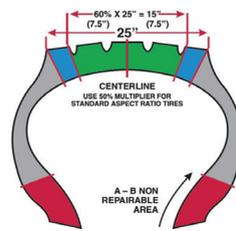
Crown is defined as 50% of tread face for standard aspect ratio tire sizes and 60% of tread face for wide base sizes. All measurements are taken on the outside surface of the tire.

Standard Aspect Tire Size Example (24.00 R35):

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

Wide Base Tire Size Example (29.5 R29):

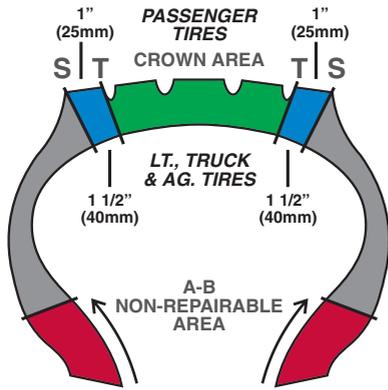
If the tread face measures 25" (635mm) wide, 60% of that is 15" (375mm) - the crown area measurement, or 7.5" (190mm) on each side of the tread centerline. This is where the injury must be located to be considered as a crown area repair.



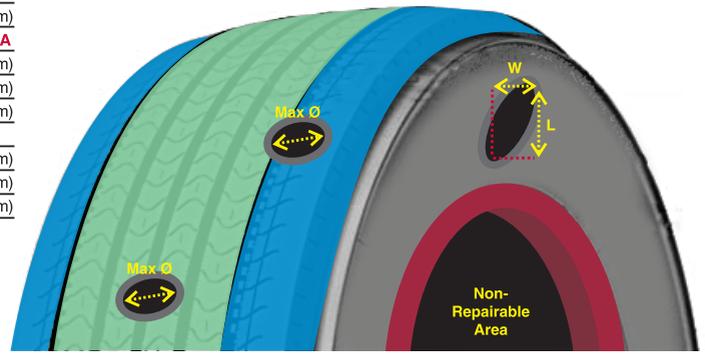
REPAIR UNIT DIMENSIONS		
Repair Unit	Inches	Millimeters
CT45A	9 1/8 x 7.75	230 x 195
CT55A	13 x 10.25	330 x 260
CT65A	16.5 x 13	420 x 330
CT75A	20.75 x 17.75	535 x 450
CT85A	28 x 22	710 x 560
CT46A	5.5 x 16.5	140 x 420
CT50A	8.5 x 20	215 x 508
CT52A	10.5 x 25	265 x 635
CT56A	13.5 x 30.5	343 x 775
CT58A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

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

Centech & Thermacure Radial Repair Chart



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



CENTECH RADIAL PASSENGER REPAIR CHART

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

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

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

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

CENTECH RADIAL AG TIRE REPAIR CHART

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

Sidewall Injury		Shoulder Injury	Crown Injury Diameter	Tractor Sizes		
Width	Length			8-11 8.3-12.4	12-15 13.6-23.5 440/650-600/65	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)		3/8" (10mm)	12	12	20
3/8" (10mm)	1 1/2" (40mm)		3/8" (10mm)	20	20	22
3/8" (10mm)	5" (125mm)		3/8" (10mm)	26	26	26
		3/8" (10mm)	3/8" (10mm)	20	20	22
			3/4" (20mm)	20	20	22
3/4" (20mm)	3/4" (20mm)		3/4" (20mm)	20	20	22
3/4" (20mm)	3" (75mm)		3/4" (20mm)	22	80	80
		3/4" (20mm)	3/4" (20mm)	22	80	80
1 1/2" (40mm)	4" (100mm)		1 1/2" (40mm)	80	82	82
		1 1/2" (40mm)	1 1/2" (40mm)	80	82	82
			2 3/4" (70mm)	80	82	84
2" (50mm)	3 1/4" (80mm)		2" (50mm)	80	82	84
		2" (50mm)	2" (50mm)	82	84	84
2 1/2" (65mm)	3" (75mm)		2 1/2" (65mm)	80	82	84
2 1/2" (65mm)	4" (100mm)		2 1/2" (65mm)	82	84	84
2 3/4" (70mm)	2 3/4" (70mm)		2 3/4" (70mm)	80	82	84
		2 3/4" (70mm)	2 3/4" (70mm)	86	86	86
			3 1/2" (90mm)	84	86	86
3 1/4" (80mm)	3 1/4" (80mm)		3 1/4" (80mm)	82	84	84
3 1/4" (80mm)	5 1/4" (130mm)		3 1/4" (80mm)	84	86	86
		3 1/2" (90mm)	3 1/2" (90mm)	88	90	90
3 1/2" (90mm)	4 1/2" (115mm)		3 1/2" (90mm)	84	86	86
3 1/2" (90mm)	7 1/8" (180mm)		3 1/2" (90mm)	88	88	88
4" (100mm)	4" (100mm)		4" (100mm)	84	86	86
4" (100mm)	6 1/2" (165mm)		4" (100mm)	86	88	88
4" (100mm)	8" (200mm)		4" (100mm)	88	88	88
			5" (125mm)	86	88	88
5" (125mm)	5" (125mm)		5" (125mm)	86	88	88
5" (125mm)	10" (250mm)		5" (125mm)	88	90	90
5 1/2" (140mm)	6" (150mm)		5 1/2" (140mm)	88	90	90
6" (150mm)	8" (200mm)		6" (150mm)	88	90	90

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

CENTECH RADIAL TRUCK TIRE REPAIR CHART

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



Sidewall Injury		Shoulder Injury Diameter (S-T Area)	Crown Injury Diameter (T-T Area)	Tube-Type Tire Sizes			Tubeless Tire Sizes		
Width	Length			Light Truck Through Load Range E	Truck Tire Sizes 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			
1/4" (6mm)	1/4" (6mm)		1/4" (6mm)	10 or 111	10HD or 111	10HD or 111			
		1/4" (6mm)		10	20	20			
			1/4" (6mm)	22	24	26			
5/16" (8mm)	5/16" (8mm)		5/16" (8mm)	12 or 111	12HD or 111	12HD or 111			
			5/16" (8mm)	12	20	20			
		5/16" (8mm)		22	24	26			
			3/8" (10mm)	20 or 112	20 or 112	20 or 112			
1 Cable	1 1/2" (40mm)			20	20	20			
1 Cable	3 1/8" (80mm)			22	24	24			
1 Cable	4 3/4" (120mm)			24	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			
			1/2" (13mm)	22	33 or 40	33 or 40			
1/2" (13mm)	1 1/2" (40mm)			22	40	40			
1/2" (13mm)	2 3/4" (70mm)			22	40	42			
1/2" (13mm)	3 3/4" (95mm)			40	42	42			
1/2" (13mm)	5 1/8" (130mm)			44	44	44			
		1/2" (13mm)		40	40	40			
			3/4" (20mm)	22	33 or 40	35 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	44			
3/4" (20mm)	5 1/8" (130mm)			44	44	44			
		3/4" (20mm)		40	42	42			
1" (25mm)	2" (50mm)		1" (25mm)	33 or 40	35 or 42	37 or 44			
1" (25mm)	3 1/4" (80mm)			40	42	44			
1" (25mm)	4" (100mm)			44	44	44			
		1" (25mm)		44	44	44			
1 1/4" (32mm)	2" (50mm)		1 1/4" (32mm)	35 or 42	35 or 42	37 or 44			
1 1/4" (32mm)	3 1/8" (80mm)			42	44	44			
1 1/4" (32mm)	4" (100mm)			44	44	46			

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

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

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

TECH Off Road (TOR) & Bias Skidder Repair Chart

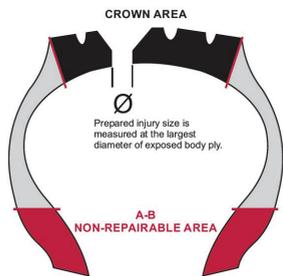


CHART INSTRUCTIONS:

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)

Inch 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	24	TOR9*	TOR9*
26-28	TOR5	TOR6	TOR7	TOR7	TOR8	TOR8	TOR9	TOR9*	TOR10*

SKIDDER A-B NON REPAIRABLE AREA	
Section Width	Dimension
14.9-20.8	4", 100mm
23.1 & larger	5", 125mm

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

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
36.00-40.00 (40/65-65/65)	12", 300mm

BIAS OTR TIRE (TOR) REPAIR CHART PREPARED INJURY SIZE



CROWN
INJURIES ONLY

PLY RATING (LOAD RANGE)

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

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 - 24.00	6", 150mm

The above dimensions are guidelines only.

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

The above dimensions are guidelines only.

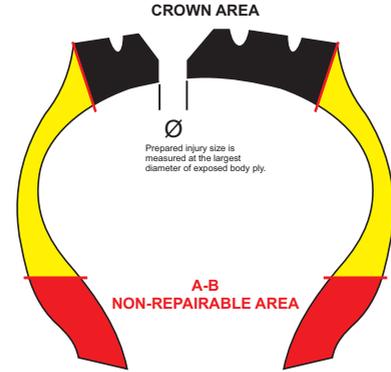


CHART INSTRUCTIONS:

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

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

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



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

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



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

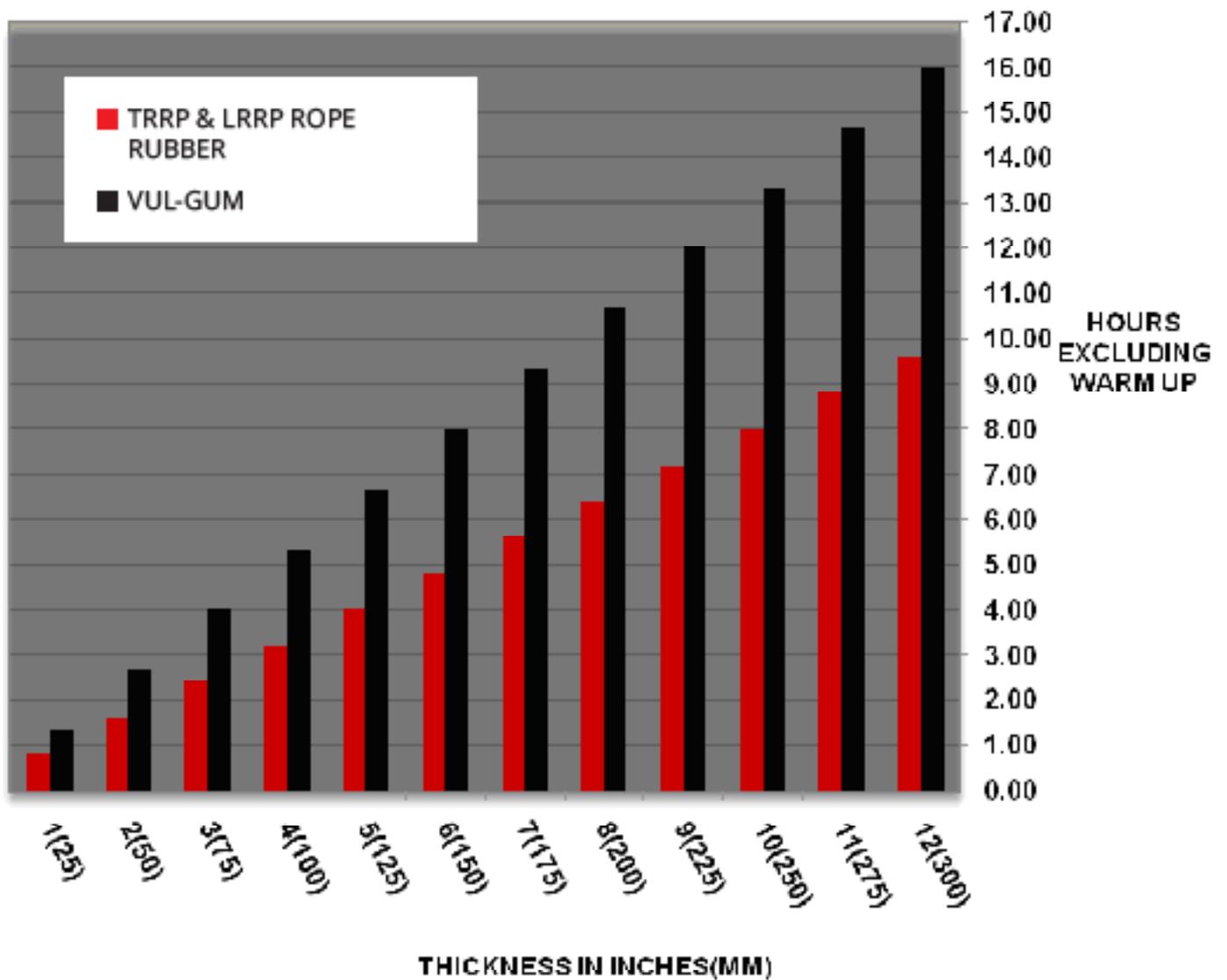
*REINFORCEMENT REPAIRS SIZE OF INJURY - TREAD, SHOULDER AND SIDEWALL



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.

Filler Rubber Cure Times 280°F to 300°F (138°C to 149°C)



NOTE: If vulkanizing equipment displays system temperature, begin cure time when full temperature is reached. If a temperature display is not available, such as with a spotter, add an additional 30 minutes per inch of tire thickness to the calculated time shown above.

TECH University

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

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

Automotive Tire Service (ATS)

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

Commercial Tire Service Certification (CTS)

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

OTR Section Repair

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

Truck Section Repair

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



TECH's vision is to

Teach
Each
Customer
How

To learn more about TECH University or register for training, visit techtirerepairs.com and select "Training" under Rapid Resources



Index by Product Category & Item Number

TECH RADIAL REPAIRS

Item Number	Page						
CT46AR	2	165	3	182	4	179R	5
CT50AR	2	165T	3	184	4	172R	5
CT52AR	2	164	3	196	4	174R	5
CT56AR	2	166	3	197	4	176R	5
CT58AR	2	167	3	198	4	180R	5
CT60AR	2	167T	3	199	4	182R	5
CT62AR	2	169	3	200A	4	184R	5
CT64AR	2	170	3	201A	4		
CT66AR	2	172	3	111R	5		
CT68AR	2	174	3	112R	5		
CT45AR	2	176	3	164R	5		
CT55AR	2	177	4	166R	5		
CT65AR	2	178	4	170R	5		
CT75AR	2	179	4	177R	5		
CT85AR	2	180	4	178R	5		

TECH BIAS PLY REPAIRS

Item Number	Page						
TOR1	6	SK12R	6	609	7	603R	8
TOR2	6	SK16R	6	610	7	604R	8
TOR3	6	SK20R	6	620	8	605R	8
TOR4	6	SK24R	6	621	8	606R	8
TOR5	6	603	7	622	8	607R	8
TOR6	6	604	7	623	8	608R	8
TOR7	6	605	7	624	8	609R	8
TOR8	6	606	7	625	8		
TOR9	6	607	7	626	8		
TOR10	6	608	7	627	8		

TECH CUSHION GUM AND FILL RUBBER

Item Number	Page						
849BX	9	861BX	9	BTLG-125/10#BX	10	858	10
850BX	9	863BX	9	848BX	10	859	10
862BX	9	864BX	9	GH100BX	10	130C	10
867BX	9	865BX	9	GH200BX	10	LRRS	11
868BX	9	866BX	9	GH218BX	10	TRRS	11
869BX	9	BT18RL	10	857A	10	RR6	11
870BX	9	BN18RL	10	857B	10		

EXTRUDER GUNS

Item Number	Page						
670P	12	685EL	12	687	12	688	12
685	12	685P	12	687S		68540	12

TECH CHEMICALS

Item Number	Page						
704	13	761	13	1082G	13	739	13
704A-E	13	762	13	1082-5G	13	705C	13
704G	13	775	13	697-968LB	13	706-1	13
975	13	776	13	697-968RLB	13		
760EL	13	1082	13	738	13		

Index by Product Category & Item Number

TECH REPAIR & MARKING TOOLS

Item Number	Page				
915	14	938	14	942	15
916	14	3-102-1	14	848	15
918	14	3-102-3	14	848-1	15
919	14	925T	14	848-2	15
4922	14	927B	14	491-2	15
590	14	925E	14	946W	15
TECH966	14	928B	14	946Y	15
933	14	940	15	947W	15
935	14	941	15	947Y	15
				948	15
				948Y	15
				950	15
				950W	15
				951	15
				951Y	15
				552	15
				554	15

TECH BUFFING & GRINDING TOOLS

Item Number	Page				
RH100	16	RH626	17	22-09	19
RH112	16	RH635	17	22-10	19
OLVRH114	16	S946	17	22-11	19
OLVRH116	16	S947	17	22-12	19
RH118-3/8	16	S1009	18	22-13	19
RH120	16	S1011	18	22-14	19
RH122	16	S1011-1	18	TCW315	19
RH107	16	S2032	18	TCW415	19
RH109	16	S2000	18	TECHS890	20
RH114X	16	S2001	18	TECHS891	20
RH116X	16	S2002	18	S897	20
RH120X	16	S2003	18	S898	20
RH122X	16	S2004	18	TECHS892	20
RH150	16	S2005	18	TECHS893	20
RH151	16	S2204	18	TECHS894	20
RH152	16	S2006	18	TECHS896	20
RH154	16	S2007	18	TECHRSB3	20
RH156	16	S2008	18	TECHRSB3E	20
RH300	17	S2009	18	S1046D	20
RH302	17	S2010	18	404	20
RH304	17	S2011	18	409	20
RH306	17	S2020	18	S870	21
RH308	17	S2021	18	S872	21
RH310	17	S2022	18	S872S	21
RH312	17	S2023	18	S873	21
RH314	17	22-01	19	S874	21
RH601	17	22-03	19	S875	21
RH603	17	22-04	19	S879	21
RH605	17	22-05	19	355	21
RH611	17	22-06	19	372B	21
RH613	17	22-07	19	359	21
RH619	17	22-08	19	360	21
				374	21
				375B	21
				358	21
				371	21
				269	22
				C4,5	22
				270	22
				270P	22
				271	22
				271P	22
				271/38	22
				272	22
				280	22
				282	22
				283	22
				284	22
				286	22
				359-02	22
				359-06	22
				359-05	22
				359-03	22
				359-53	22
				S2040	23
				S2042	23
				S2043	23
				S2045	23
				S2046	23
				476-1	23
				477-1	23
				478-1	23
				SP204	23
				SP208	23

AIR TOOLS & ACCESSORIES

Item Number	Page				
S1032AC	24	S1010C	24	S1046	25
S1036	24	S1045	24	S1046D	25
S1039	24	S1035	24	S1047	25
SLP6550	24	S990	24	S1047XL	25
CP871C	24	S992	24	S1048	25
CP873C	24	S1040	25	S1049	25
CP873C-HD	24	S1041	25	S1010C	25
CP873C-HDES	24	S1041/38	25	S1045	25
561	24	S1043	25	543-2	25
564	24	S1044	25	543	25
				544	25
				544-1	25
				541-2	25
				541-5	25
				539	25

Index by Product Category & Item Number

MONAFLEX VULCANING SYSTEMS

Item Number	Page						
TR1315/20W	27	TR1315/20W	28	M45/6/7 (1HG)	28	TRRS D-R	28
M1721/24W	27	M1721/24W	28	MX3132H	28	TRX2213H (220V)	28
M4824W	27	M2732/32W	28	MX2626H	28	TRX2210H (220V)	28
TR2621E	27	M3842/32W	28	TRX2621H	28	TR911/13W FRB	28
TROC 5XL	27	M4824W	28	MX2519H	28	TR1315/15W FRB	28
MX2519H	27	M5432W	28	MX3015H	28	TR2213E (4 Strap)	28
TRX2621H	27	TR2621E	28	MX4220H	28	TROC4	28
MX3015H	27	TROC 5XL	28	MX5224H	28		
M100R	27	M4832E	28	M100-R	28		

WORKSHOP TOOLS & EQUIPMENT

Item Number	Page						
470-717	29	PS15/R-3	29	296	31	255STURNABLE	32
71502	29	PS15/R-4	29	297	31	256S	32
71501	29	PS15/R-5	29	298	31	273	32
71505	29	471	30	299	31	257	32
71503	29	472	30	300	31	270	32
71507	29	472-1	30	301	31	259	32
71504	29	473	30	302	31	254S1	32
PS15OTR	29	473-1	30	303	31	254S2	32
PS15/C-1	29	474	30	305	31	255SH9A	32
PS15/C-2	29	475	30	306	31	255SH9B	32
PS15/C-3	29	479	30	812	31	255SH9C	32
PS15/C-4	29	479-1	30	813	31	255SH9D	32
PS15/C-5	29	479-2	30	814	31	720	33
PS15/C-6	29	479-5	30	254SP	32	721	33
PS15/R-1	29	479-6	30	254SP LONG	32		
PS15/R-2	29	479-7	30	255S	32		

TIRE & WHEEL SERVICE PRODUCTS

Item Number	Page						
FL-105-EM	34	6113	34	OR220TG	35	OR335T	35
FL-110	34	001S-025-DR25	35	OR224TG	35	OR339T	35
FL-115	34	PUMP-100-TP01	35	OR-225-T	35	OR345T	35
FL-200	34	PUMP-250-TP01	35	OR25T	35	OR349T	35
FL-400	34	VHJ450	35	OR325T	35	OR451T	35
FL-900	34	VH675	35	OR329T	35	OR457T	35
6110	34	OR24JM	35	OR333T	35	OR463T	35

Customers around the World trust TECH for complete Tire Repair and Wheel Service Solutions.



OTR Repairs for Radial & Bias Tires



Koeybleuken 16, 2300 Turnhout, Belgium

 +32 14 423 103

 techeurope@trc4r.com

 techeurope.com



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V1