

VOL. 15



AN ISO 9001:2015 CERTIFIED CO.

GOLD LINE BP REPAIRS



UNI PLUG REPAIRS



704
LOTUS
SMALL ROUND

703
LOTUS
MINI ROUND

702
LOTUS
TINY ROUND

2 WAY TUBE REPAIRS



CVF

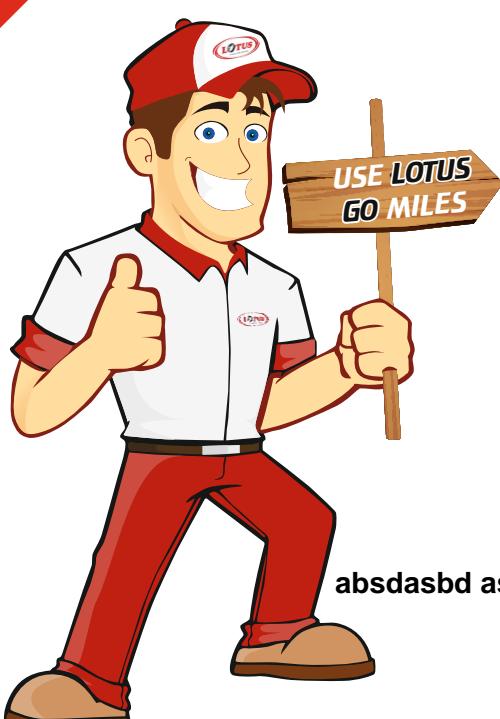
85
LOTUS
U-8

856
LOTUS
U-6.0

UNIVERSAL PATCHES



ZING RADIAL REPAIRS



absdasbd asbd asdasdasd

*Use Lotus..
go miles!!!™*



COMPANY PROFILE

Established in 1996, Lotus Rubber Industries started with the vision of being the preferred partner for manufacturing and supplying Tire and Tube Repair Patches. Today, with over two decades of experience in this domain, our products reach over 500 cities of India and exported to several countries of the world through our extensive distribution network of over 300 distributors and dealers. Lotus Rubber Industries is known for offering best quality products and is considered a trusted partner by many. We have also been a preferred OEM partner for many brands in the overseas market.

As an ISO 9001:2015 certified company, quality is our primary focus areas. We maintain stringent quality control standards in order to ensure that our products exceed customer satisfaction. Starting from the use of best quality raw materials, all our products are tested at various stages of manufacturing. The final products are then sampled out for a final testing before we dispatch them. All this is done in our in-house testing lab that is supervised by a rubber technologist. As a continuous process, periodic management reviews of quality control mechanisms are conducted to identify, correct and improve the effectiveness and compliance of the procedures and operations.

We believe that continuous research and development is necessary for any industry to grow and therefore, invest extensively in latest technologies and methodologies. Our manufacturing facility is equipped with the state of the art machinery and tools. As an environment friendly company we also have a waste treatment plant that achieves desired results while meeting industry standards.

Keeping in mind the latest tires that are now being used in the market, we have started manufacturing Tubeless Tire Repair Seals, Plug patches, Radial Seals and Universal patches. We are committed to achieve customer satisfaction by supplying high quality tire and tube repair material at very competitive prices, thus helping in saving thousands of dollars in purchasing new tires and tubes. For highest quality and latest in tire repair technology, you can always depend on Lotus Rubber Industries.





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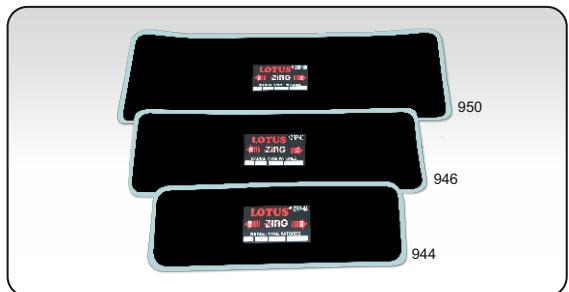
ZING RADIAL REPAIRS

ZING Radial Repair Units are developed with the most advanced technology for the reinforcement and repair of Radial tires. They are constructed with special rubber compound with polyester fibers.

ZING Radial Repairs offer high strength and greater flexibility due to single direction ply and locking wedge construction. Thus, they enhance the life of tires and hence, saving thousands of bucks on the new tires.

ZING Radial Repair Units can be used to repair sidewall, crown and shoulder injuries in passenger car, truck, tractor and earthmover tires. ZING Radial Repair Chart (Page No. 2 & 3) can be used to determine the proper repair size of injury.

ZING Radial Repair Units (Product Code 920 onwards) are supported with hard cardboard so that the border of cushion gum do not get wringed in the transportation of the goods.



Product Code	Description	Size		Ply Rating	Box Qty. (Pcs)	Case Qty (Pcs)
		(inches)	(mm)			
910	ZRP-10	2 1/8" x 3 7/16"	53 x 87	1	20	1920
910HD	ZRP-10 HD	2 1/2" x 3 1/2"	63 x 88	1	20	1920
912	ZRP-12	2 5/8" x 4 11/16"	67 x 122	1	10	1260
912HD	ZRP-12 HD	2 15/16" x 5"	74 x 128	1	10	1260
914	ZRP-14	3 1/16" x 6 3/16"	78 x 157	1	10	960
915	ZRP-15	3" x 3 3/8"	76 x 94	1	10	600

Product Code	Description	Size		Ply Rating	Box Qty. (Pcs)	Case Qty (Pcs)
		(inches)	(mm)			
920	ZRP-20	3" x 5"	77 x 127	2	10	600
922	ZRP-22	3 3/16" x 6 3/4"	81 x 171	2	10	600
924	ZRP-24	3 1/2" x 9 1/16"	89 x 230	2	10	240
926	ZRP-26	3 1/2" x 10 1/8"	90 x 257	3	10	150
933	ZRP-33*	4 1/8" x 5"	105 x 128	3	10	240
935	ZRP-35*	5" x 6"	129 x 152	4	10	270
937	ZRP-37*	5" x 6 7/8"	127 x 175	4	10	240
940	ZRP-40	4 1/8" x 8 5/16"	105 x 211	3	10	240
942	ZRP-42	5" x 10"	127 x 254	4	10	120
944	ZRP-44	5" x 13 5/16"	129 x 338	4	10	120

Product Code	Description	Size		Ply Rating	Box Qty. (Pcs)	Case Qty (Pcs)
		(inches)	(mm)			
945	ZRP-45*	7 5/16" x 9 1/2"	187 x 241	4	10	120
955	ZRP-55*	10 1/4" x 13 1/4"	261 x 336	5	5	50
965	ZRP-65*	12 3/4" x 16 3/4"	325 x 425	6	5	25
975	ZRP-75*	21" x 18"	535 x 455	8	5	20

Product Code	Description	Size		Ply Rating	Box Qty. (Pcs)	Case Qty (Pcs)
		(inches)	(mm)			
946	ZRP-46	5 7/16" x 16"	138 x 405	4	10	60
946HD	ZRP-46HD	6 1/8" x 16 1/2"	155 x 420	4	5	30
950	ZRP-50	7 1/2" x 20"	193 x 508	5	5	40
952	ZRP-52	10" x 20"	255 x 505	5	5	40
952HD	ZRP-52HD	9 7/8" x 22 1/2"	250 x 571	5	5	40
956	ZRP-56	10 1/4" x 25 1/2"	261 x 649	6	3	12
956HD	ZRP-56HD	10 1/4" x 29 1/2"	261 x 749	7	3	12

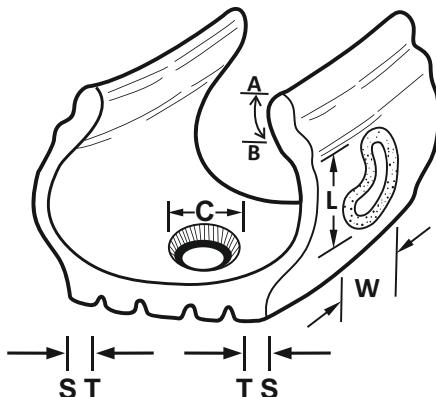
Product Code	Description	Size		Ply Rating	Box Qty. (Pcs)	Case Qty (Pcs)
		(inches)	(mm)			
980	ZRP-80	6" x 8"	150 x 201	2	10	150
982	ZRP-82	7 1/4" x 10 1/16"	185 x 256	3	5	120
984	ZRP-84	8 1/2" x 11 5/8"	216 x 295	3	5	75
986	ZRP-86	9 11/16" x 13 1/2"	246 x 344	3	5	60
986 HD	ZRP-86 HD	9 11/16" x 13 1/2"	246 x 344	5	5	50

*For Crown Injuries only



ZING RADIAL REPAIR CHART

A-B – Non-Repairable Area
C – Maximum Diameter of Damaged Radial Cables
W – Width of Injury
L – Length of Injury
S-T – Shoulder Area
 1½" or 40 mm
T-T – Crown Area



A-B - Non-Repairable Area

Passenger and light truck tires 1½", 40 mm

Section Width

6.50-7.00 (165-195)	2½", 65mm
7.50-16.00 (190-385)	3", 75mm
17.5-23.5 (425-600)	3½", 90mm

Non-repairable area is measured from the bead toe down the inside of the inner liner of the tire.



Sidewall Injury		Passenger Tire Sizes		Crown Injury Diameter
Width	Length	125-75	185-255	
½" (6mm)	½" (13mm)	10	10	¼" (6mm)
½" (6mm)	2" (50mm)	12	12	
¾" (10mm)	¾" (10mm)	10	10	
¾" (10mm)	1½" (40mm)	12	12	⅜" (10mm)
¾" (10mm)	2" (50mm)	14	14	
½" (13mm)	1½" (40mm)	12	12	½" (13mm)
½" (13mm)	2" (50mm)	14	14	
¾" (20mm)	¾" (20mm)	12	12	
¾" (20mm)	1½" (40mm)	12	14	¾" (20mm)
¾" (20mm)	2" (50mm)	14	14	
1" (25mm)	1½" (40mm)	14	14	
1" (25mm)	2" (50mm)	14	22	1" (25mm)

Repair Units in Red are to be used for Crown or Sidewall Injuries. To maintain their Speed Rating, Passenger Tires carrying a Speed Rating of H,V or Z should only be repaired in the Crown (T-T) Area with a maximum limitation of ¼" (6 mm).



Sidewall Injury		Tractor Tire Sizes		Crown Injury Diameter
Width	Length	8-11 8.3-12.4	12-15 13.6-30.5 440/65-800/65	
½" (6mm)	½" (6mm)	12	12	
¾" (10mm)	¾" (10mm)	12	12	⅜" (10mm)
¾" (10mm)	1½" (40mm)	20	20	
¾" (10mm)	5" (125mm)	26	26	
¾" (20mm)	¾" (20mm)	20	20	
¾" (20mm)	3" (75mm)	22	80	¾" (20mm)
½" (40mm)	4" (100mm)	80	82	1½" (40mm)
2" (50mm)	3½" (80mm)	80	82	
2½" (65mm)	3" (70mm)	80	82	
2½" (65mm)	4" (100mm)		82	
2½" (70mm)	2½" (70mm)	80	82	
3½" (80mm)	3½" (80mm)		82	
3½" (80mm)	5½" (130mm)		84	
3½" (90mm)	4½" (115mm)		84	3½" (90mm)
4" (100mm)	4" (100mm)		84	
4" (100mm)	6½" (165mm)		86	
5½" (130mm)	5½" (130mm)		86	5¼" (130mm)

Repair Units in Red are to be used for Crown or Sidewall Injuries.

The Section Repair Chart is a guideline only. Load, Speed and Highway Application can affect the limitation of section repairs.



Sidewall Injury		Truck Tire Sizes			Crown Injury Diameters (T-T Area)
Width	Length	6.50-12.50 7-10 215/85-255/85 215/75-265/75	7.50-10.00 8-11 235/80-275/80 245/75-285/75	11.00-14.00 12-16.5 295/80-315/80 295/75-445-65 425/50-495-45	
⅛" (3mm)	⅛" (3mm)	10	10	10	⅛" (3mm)
⅛" (6mm)	⅛" (6mm)	12	12	12	⅛" (6mm)
1 Cable	1½" (40mm)	20	20	20	
1 Cable	3½" (80mm)	22	22	22	
1 Cable	4½" (120mm)	24	24	24	
1 Cable	6" (150mm)	26	26	26	
2 Cable	¾" (20mm)	20	20	22	
2 Cable	1½" (40mm)	20	22	24	
2 Cable	2½" (60mm)	22	24	26	
2 Cable	5½" (130mm)	26	26	26	
⅜" (10mm)	1½" (40mm)	20	26	40	
⅜" (10mm)	2½" (60mm)	22	26	40	
⅜" (10mm)	3½" (80mm)	26	26	42	
⅜" (10mm)	5½" (130mm)	26	26	44	
½" (13mm)	1½" (40mm)	22	33	33	
½" (13mm)	2½" (70mm)	22	40	40	
½" (13mm)	3¾" (95mm)	40	40	40	½" (13mm)
½" (13mm)	5½" (130mm)	42	44	44	
¾" (20mm)	1" (25mm)	22	33	35	
¾" (20mm)	2½" (65mm)	24	40	40	
¾" (20mm)	4½" (110mm)	42	44	44	
¾" (20mm)	5½" (130mm)	44	44	44	
1" (25mm)	2" (50mm)	33	35	35	
1" (25mm)	3½" (80mm)	40	42	44	1" (25mm)
1" (25mm)	4" (100mm)	42	44	44	
1¼" (32mm)	2" (50mm)	37	37	37	
1¼" (32mm)	3½" (80mm)	42	44	44	
1¼" (32mm)	4" (100mm)	44	44	46	
1¼" (40mm)	2" (50mm)	37	37	37	
1¼" (40mm)	3½" (75mm)	44	44	46	1¼" (40mm)

Yellow Box = Tube Type Tire Sizes Purple Box = Tubeless Tire Sizes

Repair Units Boxed in Red are limited to Crown (T-T) Area only. All others shown in Red may be used for Crown or Sidewall Injuries. Note: This Section Repair Chart is a guideline only. Load, Speed and Highway Application can affect the limitation of section repairs.



ZING OFF-THE-ROAD RADIAL REPAIR CHART

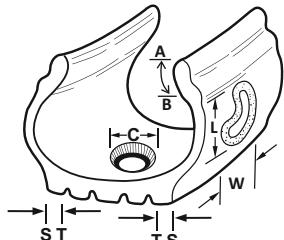


Sidewall Injury		Shoulder Injury Inches (mm)	Earthmover Tire Size				Crown Injury Inches (mm)
Width Inches (mm)	Length Inches (mm)		14.00-16.00 15.5-20.5 20/65-30/65	18.00-21.00 23.5-26.5 35/65	24.00-30.00 29.5-37.5 40/65-45/65	33.00-40.00 48/95-59/80 50/65-65/65	
3/8" (10mm) 3/8" (10mm)	3" (75mm) 4 1/8" (110mm)		-	42 42	42 44	42 44	44 44
3/4" (20mm) 3/4" (20mm) 3/4" (20mm)	2" (50mm) 5 1/2" (140mm) 8" (200mm)	3/4" (20mm)	45 42 46 46 46	45 44 46 50 46	45 44 46 50 50	45 50 50 50 52	3/4" (20mm)
1" (25mm) 1" (25mm)	5" (125mm) 8" (200mm)		45 46 50 46	45 46 50 50	45 46 50 52	45 50 52 52	1" (25mm)
1 1/4" (30mm) 1 1/4" (30mm)	4" (100mm) 10" (250mm)		46 50	50 50	50 52	50 56	
1 1/2" (40mm) 1 1/2" (40mm) 1 1/2" (40mm) 1 1/2" (40mm)	3 1/2" (90mm) 10" (250mm) 14" (350mm) 16" (400mm)		45 46 50 56	45 52 50 56	55 52 52 56	55 52 56 60	1 1/2" (40mm)
1 3/4" (45mm) 1 3/4" (45mm) 1 3/4" (45mm) 1 3/4" (45mm)	6 1/2" (165mm) 10" (250mm) 14" (350mm) 16" (400mm)		50 52	50 52 56 60	50 52 56 60	52 56 60 60	
2" (50mm) 2" (50mm) 2" (50mm) 2" (50mm) 2" (50mm)	7" (175mm) 10" (250mm) 14" (350mm) 16" (400mm) 19" (475mm)		55 50 52	55 50 52 56 60	55 50 52 56 60	65 52 56 60 60	2" (50mm)
2 1/4" (70mm) 2 1/4" (70mm) 2 1/4" (70mm)	8" (200mm) 10" (250mm) 13 1/2" (340mm)	2 1/2" (65mm) 2 3/4" (70mm)	55 52	65 52	65 56	65 60	2 3/4" (70mm)
3 1/2" (90mm) 3 1/2" (90mm) 3 1/2" (90mm) 3 1/2" (90mm)	7" (175mm) 8" (200mm) 10" (250mm) 12 1/2" (315mm)		52	75 52 56 56	75 56 56 60	75 56 72 60	
4" (100mm) 4" (100mm) 4" (100mm)	5 1/2" (140mm) 7 1/2" (190mm) 10 1/2" (265mm)		52	52 56 60	52 56 60	56 72 60	
4 3/8" (110mm) 4 3/8" (110mm) 4 3/8" (110mm)	5" (125mm) 7" (175mm) 10" (250mm)		52	52 56 60	56 72 60	56 72 60	5" (125mm)
4 3/4" (120mm) 4 3/4" (120mm) 4 3/4" (120mm)	4 1/2" (115mm) 6" (150mm) 9" (225mm)		52	52 56 60	56 60 60	56 60 60	
5" (125mm) 5" (125mm) 5" (125mm)	4" (100mm) 5" (125mm) 7" (175mm)			75 72 72	75 72 72	75 72 72	
6" (150mm) 6" (150mm)	3" (75mm) 5 1/2" (140mm)			72	72 72	72 72	6 1/2" (165mm)
6 1/2" (165mm)	5" (125mm)				85 72	85 72	

Repair units shown **Boxed in Red** are limited to Crown (T-T) area only.

All others shown in **Red** may be used for Crown or Sidewall injuries.

Note: This Section Repair Chart is a guideline only. Load, Speed and Highway Application can affect the limitations of section repairs.



A-B – Non-Repairable Area

C – Maximum Diameter of Damaged Radial Cables

W – Width of Injury

L – Length of Injury

S-T – Shoulder Area

1 1/2" or 40 mm

T-T – Crown Area

DETERMINING CROWN INJURY REPAIR AREA (T-T AREA)

Zing 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
40/60-50/65 (40.5)	6 1/4", 170mm
36.00	8", 200mm
37.00-40.00	10", 255mm
	(50.5 & Larger)

Radial/OTR Crown Dimensions (T-T Area)

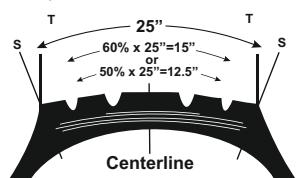
Crown is defined as 50% of tread face for standard aspect ratio tire sizes and 60% of tread face for wide base sizes. All measurements are taken on the outside surface of the tire.

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.





GOLD LINE BIAS PLY REPAIRS

Lotus Gold Line Bias Ply Repairs can be used for the reinforcement and section repair of both tubeless and tube-type tires. They are equipped with the cord fabric which is designed to match the cross ply tire construction.

Lotus Gold Line Bias Ply Repairs are manufactured with a ply of rubber between the cord fabric and cushion gum which acts as a shock absorber. Thus they offer high strength and greater flexibility while ensuring safety on the roads.

Lotus Gold Line Bias Ply Repair Units can be used to repair sidewall, crown and shoulder injuries in Passenger car, truck, tractor and earthmover bias ply tires. GOLD LINE Bias Ply Tire Repair Chart (Page No. 5) can be used to determine the proper repair size of injury.

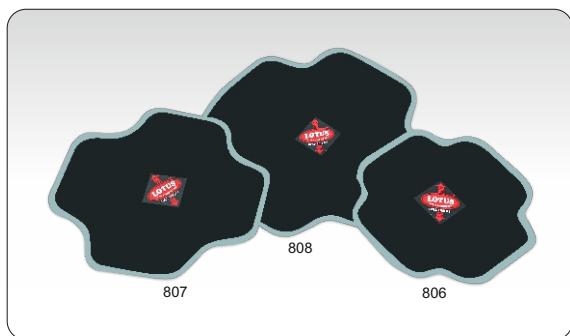
Lotus Gold Line Repair Units (Product Code 803 onwards) are supported with the hard cardboard so that the border of cushion gum do not get wringed in the transportation of the goods.



Product Code	Description	Size		Ply Rating	Box Qty. (Pcs.)	Case Qty (Pcs)
		(inches)	(mm)			
800	GL-0	2 ³ / ₈ "	60	1	25	3750
801	GL-1	3 ³ / ₁₆ "	80	1	20	2400
802	GL-2	3 ⁵ / ₈ "	93	2	10	1200



Product Code	Description	Size		Ply Rating	Box Qty. (Pcs.)	Case Qty (Pcs)
		(inches)	(mm)			
803	GL-3	5" x 5"	125 x 125	2	10	720
804	GL-4	6" x 6"	150 x 150	4	10	270
805	GL-5	6 ³ / ₄ " x 6 ³ / ₄ "	170 x 170	4	10	240
806	GL-6	9 ⁵ / ₈ " x 9 ⁵ / ₈ "	244 x 244	6	5	120
807	GL-7	11 ¹ / ₂ " x 11 ¹ / ₂ "	293 x 293	6	5	60
808	GL-8	13 ⁵ / ₈ " x 13 ⁵ / ₈ "	345 x 345	6	5	60
809	GL-9	15 ³ / ₄ " x 15 ³ / ₄ "	387 x 387	8	5	15
810	GL-10	17 ¹ / ₁₆ " x 17 ¹ / ₁₆ "	434 x 434	8	5	15



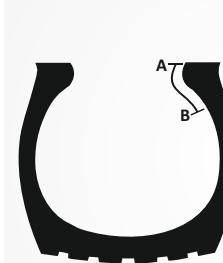
Product Code	Description	Sizes		Ply Rating	Box Qty. (Pcs.)	Case Qty (Pcs)
		(inches)	(mm)			
800	GLT-0	7 ¹ / ₁₆ " x 7 ¹³ / ₁₆ "	199 x 199	4	10	240
811	GLT-1	8 ¹ / ₁₆ " x 8 ¹³ / ₁₆ "	224 x 224	4	5	120
812	GLT-2	10 ⁷ / ₈ " x 10 ⁷ / ₈ "	277 x 277	4	5	60
813	GLT-3	14 ⁵ / ₈ " x 14 ⁵ / ₈ "	371 x 371	4	5	60
814	GLT-4	8 ¹ / ₈ " x 8 ¹³ / ₁₆ "	224 x 224	6	5	120
815	GLT-5	10 ⁷ / ₈ " x 10 ⁷ / ₈ "	277 x 277	6	5	60
816	GLT-6	14 ⁵ / ₈ " x 14 ⁵ / ₈ "	371 x 371	6	5	60
817	GLT-7	19 ³ / ₈ " x 19 ³ / ₈ "	492 x 492	6	5	15



GOLD LINE BIAS PLY TIRE REPAIR CHART

HOW TO USE THIS CHART

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

	A-B NON-REPAIRABLE AREA
7.00-8.75	3 3/4", 80mm
9.00-14.00	4", 100mm
16.00-18.00	5", 125mm
21.00-27.00	6", 150mm
<i>The above dimensions are guidelines only.</i>	
Tractor A-B Non-Repairable Area	
14.9-20.8	4", 100mm
23.1-larger	5", 125mm
<i>The above dimensions are guidelines only.</i>	

Car, Truck and Earthmover Size of Injury - Tread, Shoulder and Sidewall



PLY RATING	mm	3	6	10	13	20	25	40	50	65	75	100	125	150
PLY RATING	inch	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"
	4	GL-0	GL-0	GL-1	GL-2	GL-3	GL-3	GL-4	GL-5					
	6	GL-0	GL-0	GL-1	GL-2	GL-3	GL-3	GL-4	GL-5	GL-6				
	8	GL-0	GL-0	GL-2	GL-3	GL-3	GL-4	GL-4	GL-5	GL-6				
	10	GL-0	GL-1	GL-2	GL-3	GL-3	GL-4	GL-5	GL-6	GL-6	GL-7	GL-8		
	12	GL-0	GL-1	GL-2	GL-4	GL-4	GL-4	GL-5	GL-6	GL-6	GL-7	GL-8		
	14	GL-0	GL-1	GL-3	GL-4	GL-4	GL-5	GL-6	GL-6	GL-6	GL-7	GL-8	GL-10	
	16	GL-0	GL-1	GL-4	GL-4	GL-5	GL-5	GL-6	GL-6	GL-7	GL-7	GL-8	GL-10	
	18	GL-0	GL-1	GL-4	GL-5	GL-5	GL-6	GL-6	GL-7	GL-8	GL-8	GL-9	GL-10	
	20	GL-0	GL-1	GL-4	GL-5	GL-5	GL-6	GL-7	GL-8	GL-8	GL-9	GL-9	GL-10	
	22	GL-0	GL-1	GL-4	GL-6	GL-6	GL-7	GL-8	GL-8	GL-8	GL-9	GL-10		

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

Farm Tractor and Skidder Size of Injury - Tread, Shoulder and Sidewall



PLY RATING	mm	3	6	10	13	20	25	40	50	65	75	100	125	150
PLY RATING	inch	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"
	4	GL-0	GL-0	GL-1	GL-2	GL-3	GL-3	GL-4	GL-5	GLT-0	GLT-0	GLT-1	GLT-2	GLT-3
	6	GL-0	GL-0	GL-1	GL-2	GL-3	GL-3	GL-4	GL-5	GLT-0	GLT-0	GLT-1	GLT-2	GLT-3
	8	GL-0	GL-1	GL-2	GL-2	GL-3	GL-4	GL-4	GL-5	GLT-0	GLT-0	GLT-1	GLT-2	GLT-3
	10	GL-0	GL-1	GL-2	GL-3	GL-3	GL-4	GL-5	GL-6	GLT-1	GLT-1	GLT-4	GLT-5	GLT-6
	12	GL-0	GL-1	GL-2	GL-4	GL-4	GL-4	GL-5	GL-6	GLT-4	GLT-4	GLT-4	GLT-5	GLT-6
	14	GL-0	GL-1	GL-4	GL-4	GL-4	GL-5	GL-6	GL-6	GLT-4	GLT-4	GLT-5	GLT-5	GLT-7
	16	GL-0	GL-1	GL-4	GL-4	GL-5	GL-5	GL-6	GL-6	GLT-5	GLT-5	GLT-5	GLT-6	GLT-7

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

*Reinforcement Repairs Size of Injury - Tread, Shoulder and Sidewall



PLY RATING	mm	3	6	10	13	20	25	40	50	65	75	100	125	150
PLY RATING	inch	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"
	8-12		GL-0	GL-1	GL-2	GL-3	GL-3	GL-4	GL-4	GL-5	GL-6	GL-7	GL-8	
	14-18		GL-0	GL-1	GL-2	GL-4	GL-4	GL-4	GL-5	GL-5	GL-6	GL-7	GL-8	
	20-22		GL-0	GL-2	GL-4	GL-5	GL-5	GL-6	GL-6	GL-7	GL-7	GL-8	GL-9	

*INJURIES THROUGH 25% BUT LESS THAN 75% OF THE TIRE BODY REQUIRE BOTH HOLE FILLING MATERIAL & REINFORCING REPAIRS.

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



OFF-THE-ROAD REPAIRS

Lotus offers Square-shaped (LOR-S) and Butterfly-shaped (LOR-B) repair patches for the reinforcement of Bias Ply Off-The-Road tires. They are constructed with special rubber compound and strong nylon fibers. They can repair injuries upto 300mm in OTR tires.

Lotus Butterfly OTR Repair Units are equipped with innovatively designed fabric layers which offer high strength in sidewall section repairs. Hence, they help in enhancing the life of the tires.

Lotus Square OTR Repair Units contain unique cross ply fabric layers to match the ply construction of Bias Ply OTR tires. Injury specific Lotus OTR Repair Units can be made at special request.

SQUARE SHAPED REPAIRS

Product Code	Description	Size		Ply Rating	Box Qty (Pcs)
		(inches)	(mm)		
821	LOR-S1	7 3/16" x 7 3/16"	183 x 183	2	10
822	LOR-S2	8 5/8" x 8 5/8"	213 x 213	4	5
823	LOR-S3	9 1/4" x 9 1/4"	235 x 235	4	5
824	LOR-S4	11 3/16" x 11 3/16"	284 x 284	6	5
825	LOR-S5	13 3/16" x 13 3/16"	335 x 335	6	5
826	LOR-S6	15 3/16" x 15 3/16"	385 x 385	8	5
827	LOR-S7	17 1/8" x 17 1/8"	435 x 435	8	5
828	LOR-S8	19 1/8" x 19 1/8"	485 x 485	10	3
829	LOR-S9	21 1/16" x 21 1/16"	535 x 535	10	3
830	LOR-S10	23" x 23"	585 x 585	10	3
831	LOR-S11	25" x 25"	635 x 635	10	2
832	LOR-S12	27" x 27"	685 x 685	10	2

BUTTERFLY SHAPED REPAIRS

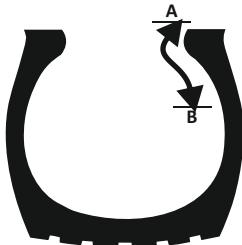
Product Code	Description	Size		Ply Rating	Box Qty (Pcs)
		(inches)	(mm)		
841	LOR-B1	11 1/8" x 9 7/8"	283 x 251	4	5
842	LOR-B2	13 1/8" x 10 13/16"	334 x 275	4	5
843	LOR-B3	13 9/16" x 9 1/8"	345 x 334	6	5
844	LOR-B4	17"	430	6	5
845	LOR-B5	20 1/2"	520	8	3
846	LOR-B6	22"	560	8	3
847	LOR-B7	23 1/2"	595	10	2
848	LOR-B8	24 3/8"	620	10	2
849	LOR-B9	26"	660	10	2



LOTUS OFF-THE-ROAD REPAIR CHART

HOW TO USE THIS CHART

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



A-B NON-REPAIRABLE AREA

16.00 – 18.00 (20.5 – 23.5)	5", 125mm
26.00 – 27.00 (25.5 – 23.5)	6", 150mm
30.00 – 33.00 (37.25 – 37.5)	7", 175mm
36.00 and up	8", 200mm

The above dimension are guidelines only

LOR (LOTUS OFF-THE-ROAD) BIAS REPAIR CHART

Injury Size in		PLY RATING								
inches	mm	6-8	10-12	14-16	18-20	22-24	26-28	30-36	38-44	46+
½"	15	1	1	1	2	2	2	2	2	2
1"	25	2	2	2	2	2	2	2	2	3
1½"	40	2	2	2	2	2	3	3	3	4
2"	50	2	2	3	3	3	3	3	3	4
2½"	65	2	2	3	3	3	4	4	4	5
3"	75	2	3	4	4	4	5	5	6	6
4"	100		3	4	4	5	5	6	6	7
5"	125			4	5	5	6	6	7	8
6"	150			5	5	6	7	7	8	8
7"	175				6	7	7	8	8	9
8"	200					7	8	9	9	10
9"	225					8	8	9	9	10

TREAD INJURIES ONLY

11"	275						8	10	10	–
12"	300						9	10	10	–



UNIVERSAL ALL PURPOSE REPAIRS

Lotus Universal or All Purpose Repair patches are manufactured with special compounding and thicker rubber to repair nail hole injuries in any type of tire.

They can be used for tube repairs also wherever thicker patches are required. Lotus All Purpose or Universal Square Patches can also be Reinforced with Tire Cord Ply.

Lotus Universal or All Purpose Repair patches are available in round and square shapes. They are also available in plastic tubs.



ROUND UNIVERSAL REPAIRS

Product Code	Description	Size		Box Qty (Pcs)
		(inches)	(mm)	
851	UR-0	1 3/4"	45	100
852	UR-1	2 1/2"	65	30
853	UR-2	3 1/8"	80	30



SQUARE UNIVERSAL REPAIRS

Product Code	Description	Ply Rating	Size		Box Qty (Pcs)
			(inches)	(mm)	
854	U-4.5		1 3/4" x 1 3/4"	45 x 45	100
854P	U-4.5 Ply Reinforced	1	1 3/4" x 1 3/4"	45 x 45	80
855	U-6.0		2 1/4" x 2 1/4"	58 x 58	30
855P	U-6.0 Ply Reinforced	1	2 1/4" x 2 1/4"	58 x 58	25
856	U-8.0		2 3/4" x 2 3/4"	70 x 70	30
856P	U-8.0 Ply Reinforced	1	2 3/4" x 2 3/4"	70 x 70	25



2-WAY & BICYCLE TUBE REPAIRS

Lotus Tube Repairs have high strength and durability. They are made of cured black body with self vulcanizing cushion gum. They are made using the finest chemicals especially manufactured for the rubber products. Their pH and characteristics are such that this leads to long life of self vulcanizing cushion gum.

Lotus 2-Way Tube Repairs are available in round and oval shapes. They can be used to repair tube injury of any size.

Lotus Cycle Tube Repairs are available in round, square and sheets. Sheets can be used to repair injury of any size in cycle tubes.

Lotus Rub-O-Matic rubber cleaner can be used to clean the injured area and Lotus CVF for perfect bonding.



ROUND 2-WAY TUBE REPAIRS

Product Code	Description	Size		Box Qty (Pcs)
		(inches)	(mm)	
702	Tiny Round	1 1/8"	29	100
703	Mini Round	1 3/8"	35	50
704	Small Round	1 3/4"	43	40
705	Medium Round	2 1/4"	58	30
706	Large Round	3 1/8"	80	20
707	Maxi Round	4"	102	20
708	Giant Round	5"	127	10



OVAL 2-WAY TUBE REPAIRS

Product Code	Description	Size		Box Qty (Pcs)
		(inches)	(mm)	
709	Mini Oval	1 5/8" x 1 1/8"	40 x 31	50
710	Small Oval	2 1/2" x 1 1/2"	62 x 38	30
711	Medium Oval	4" x 2"	100 x 50	20
712	Large Oval	6" x 2 3/4"	150 x 70	20
713	Giant Oval	6 1/4" x 4"	160 x 100	10
714	Gaint Rim	9 1/2" x 2 3/4"	240 x 60	10



CYCLE TUBE REPAIRS

Product Code	Description	Size		Box Qty (Pcs)
		(inches)	(mm)	
701	Cycle Round	1 1/8"	28	100
715	Cycle Square	1" x 1"	25 x 25	100
721	Cycle Sheet	9" x 13"	228 x 330	50
722	Cycle Sheet	4" x 5"	102 x 127	25



TUBE VALVE REPAIRS

Lotus Tube Valves are made of high quality brass. They are natural rubber based tube repair valves with the backing of self vulcanizing cushion gum, thus, making it easy to replace the injured valves.

Lotus makes replacement valves for scooter, motor-cycle, car, jeep and tractor.



Product Code	Description	Box Qty (Pcs)
751	Motorcycle TR 29	50
754	Car TR 13	50
756	Tractor TR 218	20

TUBE COMPOUNDS

Lotus also makes tube compounds which needs to be cured over heat before applying on the tube injuries. They can be used to repair tube injuries of any size. The compound is calendared in the standard gauge of 1.25 mm.



Product Code	Description	Wt. (g)
741	Small Pack	150
742	Medium Pack	400
743	Economy Pack	800
744	Large Pack	1000



VULCANIZING FLUID, CLEANERS & CHEMICALS

Lotus Chemical Vulcanizing Fluid cures tire and tube repairs with or without heat. It is available in tins also along with hair brushes. It is also available as Blue cement.

Lotus Chemical Vulcanizing Fluid is formulated to give perfect room temperature vulcanization when used in conjunction with Lotus tire and tube repairs

LOTUS RUB-O-MATIC is a rubber cleaner used to remove dirt and contamination from the injured area.



CHEMICAL VULCANIZING FLUID

Product Code	Description	Vol.	Box Qty (Pcs)
731	CVF Tube	10 mL	50
732	CVF Tube	30 mL	25
733	CVF Tube	75 mL	20



Product Code	Description	Vol.	Box Qty (Pcs)
734	CVF Tin with Brush	250 mL	3
735	CVF Tin with Brush	500 mL	2
736	CVF Tin with Brush	1000 mL	1



BLUE CEMENT

Product Code	Description	Vol.	Box Qty (Pcs)
634	Blue Cement Tin with Brush	250 mL	3
635	Blue Cement Tin with Brush	500 mL	2
636	Blue Cement Tin with Brush	1000 mL	1



RUB-O-MATIC CLEANER

Product Code	Description	Vol.	Box Qty (Pcs)
644	RUB-O-MATIC Tin with Brush	200 mL	3
645	RUB-O-MATIC Tin with Brush	500 mL	2
646	RUB-O-MATIC Tin with Brush	1000 mL	1



NON FLAMMABLE VULCANIZING CEMENT

India's FirstTM
COMPANY

Lotus Rubber Industries is the one and only company in India to manufacture Non Flammable Chemical Vulcanizing Fluid. Lotus manufactures Valkarn & Super Valkarn G for curing tube and tire repairs without heat respectively. It is high quality and highly adhesive cement. It is also fast drying cement in comparison to flammable ones.

Non Flammable vulcanizing cement do not pose health hazards like the flammable ones. They are more safe to use and transport over the air and ocean. So many European countries have started preferring the non flammable vulcanizing cements.

It is available in tins also along with hair brushes. It is also available as Green cement.

Lotus Valkarn & Super Valkarn G is formulated to give perfect room temperature vulcanization when used in conjunction with Lotus tire and tube repairs.

LOTUS RUB-O-MATIC is a rubber cleaner used to remove dirt and contamination from the injured area.



VALKARN

Product Code	Description	Vol.	Box Qty (Pcs)
1033	200 mL Tin with Brush	200 mL	3
1034	500 mL Tin with Brush	500 mL	—
1035	1000 mL Tin with Brush	1000 mL	—



SUPER VALKARN G

Product Code	Description	Vol.	Box Qty (Pcs)
1133	200 mL Tin with Brush	200 mL	3
1134	500 mL Tin with Brush	500 mL	—
1135	1000 mL Tin with Brush	1000 mL	—



UNI PLUG REPAIRS FOR RADIAL & BIAS TIRES

Lotus makes UNI PLUG patches to repair crown injuries in both radial and bias ply tires. It is the recommended repair procedure for tubeless tire repairs.

These patches are a combination of stem and patch covered with grey cushion gum. This enables both the stem and patch to vulcanize to the tire assuring a permanent, leak-proof repair. The cushion gum is covered with easy-to-remove blue polyethylene protective covering. It reduces labor costs when compared to conventional section repairs.

These units also make excellent repairs when used in a retread process. The stem size should be larger than the prepared injured area for the perfect fit of the stem in the tire.



Product Code	Description	Uni Plug Size	Injury Size	Box Qty (Pcs)
1001	UNI PLUG 6W	Stem 6 mm Length 36 mm Patch 42 mm	1/8" (3mm)	10
1002	UNI PLUG 9W	Stem 9 mm Length 40 mm Patch 48 mm	1/4" (6mm)	10

TUBELESS TIRE SEAL

Lotus Tubeless Tire Seals are an excellent repair method for tubeless tires. They are made of fresh butyl rubber. They are very strong made up of 12 strands.



Product Code	Description	Specifications	Color	Box Qty (Pcs)
1051	Tubeless Tire String Inserts	Strands 12 Length 4" (100mm) Diameter 6mm	Brown/Black	25
1052	Tubeless Tire String Inserts	Strands 12 Length 8" (200mm) Diameter 6mm	Brown/Black	25



UNVULCANIZED RUBBER STRIP

Lotus manufactures Bonding Gum from the high grade natural rubber free of reclaim rubber to give excellent strength and adhesion properties. Lotus Bonding Gum can be used for both precured and mould cured process. It can also be used for exposed cords, spot repairs, reinforced repairs, buzz-outs, section repairs and casing injuries.

Lotus manufactures two types of Unvulcanized Rubber Strip Bonding Gum for the retreading of tyres to suit the different retreading chambers. Both the compounds easily cure to tread hardness. They are calendared at the standard gauge of 1.20 mm. The thickness and width of the strip can be made as per the requirement.



CUSHION GUM

Product Code	Description	Curing Temp.	Shelf Life
500	Unvulcanized Rubber Strip	125°C	180 Days



VULGUM

Product Code	Description	Curing Temp.	Shelf Life
300	Unvulcanized Rubber Strip	110°C	120 Days

“
**STEPS
TO
CARE**

- Always store Bonding gum in a cool, clean and dry place where the temperature does not exceed 25-degree C.
- Bonding Gum used/unused should be kept and maintained in original packing.
- Bonding Gum Should be never be exposed to water, oil and dust, heat and sunlight.
- Should be always used with Lotus Chemical Vulcanising Solutions.



TYRE & TUBE MOUNTING COMPOUND

Lotus Tyre and Tube Mounting Compound serves as a good tyre and tube lubricant for easier mounting and demounting from the rims. Hence, it helps in reducing bead damages. It is water soluble in nature with rust inhibitors added for better rim protection.

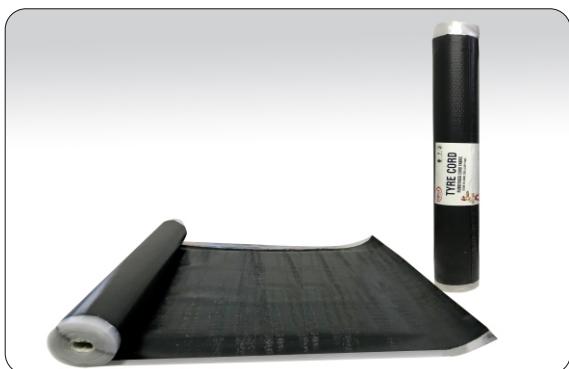


TYRE & TUBE MOUNTING COMPOUND

Product Code	Description	Wt.	Box Quantity
1521	Tyre Mounting Compound	5 kg	4
1522	Tyre Mounting Compound	10 kg	4
1523	Tyre Mounting Compound	20 kg	1

TYRE CORD

Lotus manufactures rubberised tyre cord fabric both in Polyester and Nylon threads. We manufacture tyre cord in different styles including 840/2, 1260/2, 1680/2 in Nylon Fabric and 1000/2 in Polyester Fabric. The EPI of fabric ranges from 18 to 28 as per the customer's requirement.



TYRE CORD

Product Code	Description	Packing in Kg./Meters	As Per Requirement
1101	Nylon Fabric 840/2		
1102	Nylon Fabric 1260/2		
1103	Nylon Fabric 1680/2		
1201	Polyester Fabric 1000/2		

WATERPROOF CABLE JOINT RUBBER

Lotus manufactures Rubber Tape which is used in the binding of cables and submersible joints. It is a waterproof tape mainly used in the water pump applications. Lotus manufactures it in 1 Meter length and 1 kg packs. It can also be made as per the custom specifications.



WATERPROOF CABLE JOINT RUBBER

Product Code	Description	Box Packing	Carton Packing
240	15mm X 1 Meter	40 Pcs	1200 Pcs
241	20mm x 1 Meter	30 Pcs	900 Pcs



WATERPROOF CABLE JOINT RUBBER

Product Code	Description	Box Packing	Carton Packing
245 YD	1 Kg Double Poly Yellow	1 Pc	30 Pcs
245 BD	1 Kg Double Poly Black	1 Pc	30 Pcs
245 YS	1 Kg Single Poly Yellow	1 Pc	30 Pcs
245 BS	1 Kg Single Poly Black	1 Pc	30 Pcs



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