



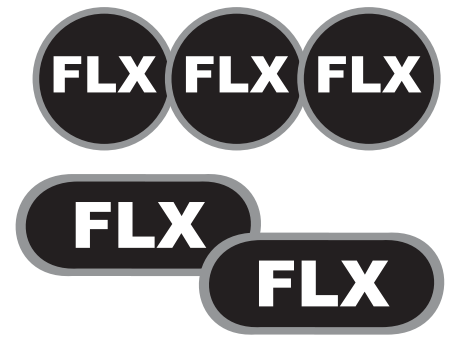
TYRE AND TUBE REPAIRS *for a* STRONG & HEALTHY TYRE



WHATEVER THE INJURY, FLX HAS REPAIR TO MATCH.

TUBE REPAIRS

FLX range of tube repairs is ideal for tube punctures and bursts. They are instant repairs that are permanent, safe and twice as strong as the tube itself. They are available in 14 sizes, in round and oval shapes. The repairs cater to almost kind of tube injury and can repair injury sizes up to 9" (225 mm). Besides the round and oval repairs, FLX Cycle Sheets & Cycle Puncture Strips are available to vulcanisers to cut patches in sizes that suit the injury.



VALVE REPAIRS

FLX tubeless & tube type replacement valves for motorcycles, cars, LCVs, trucks and buses are made of high quality brass and are rubberized using special formulated compound. The unique grey chemical cushion on tube valves enables quick cold replacement. The valves provide a long, trouble free and dependable performance.



ALL PURPOSE REPAIRS

FLX range of all-purpose repairs is designed for repair of nail hole injuries on any type of tyre. Special compounding and thicker rubber helps in resisting dimpling. They are available in round and square shapes and can also be used for repairing injuries on tubes.



TYRE REPAIRS

Bias-Ply Tyre Repair Units - BP, V - Line & BPT

FLX range of bias-ply repair units are used for reinforcement and section repair of both tubeless and tube-type tyres. They offer excellent flexibility and greater strength. BP (size 0 to 10) & V - Line (size 3 to 10) repair units cater to injury sizes up to 5" on a truck/bus tyre, while BPT (size 0 to 7) caters to injury sizes up to 10" on a tractor tyre.



Radial Tyre Repair Units - Centech

FLX range of Centech radial repair units can be used to repair crown, shoulder or side-wall injuries in passenger car, truck and agriculture tyres. This range can repair injuries up to 2" on a car tyre, 5¾" on a truck/bus tyre and up to 13½" on a tractor tyre.



OTR Repair Units - Bias & Radial

FLX's OTR repairs are made of advance rubber compound to ensure longer performance in extreme OTR tyre service conditions. The repair units are very flexible allowing for easy installation as well as restoring the strength to the tyre with least resistance to the tyre's flex characteristics.

Bias OTR repairs units can repair injuries up to 12" (300 mm) on a 58 ply rating tyre, and up to 11" (275 mm) on tyres with ply rating above 60.

Radial (Centech) OTR repair units can repair injuries up to 2" x 19" (sidewall) and 6½" (crown).



PLUG REPAIRS - Tubeless & Tube-type tyre

Uni-Seal & Radial Seal repairs

FLX Uni-Seal repairs can be used to repair injury sizes ranging from nail hole up to 25 mm on bias ply tyres and 13 mm on radial tyres. The repair unit consists of a stem that perfectly plugs the injury and provides strength to the injured area, and a cap that seals the injury. These repairs are leak proof, safe, permanent and cater to injuries for all tyres on passenger vehicles, LCVs, trucks and busses. They are designed to help save labour, time and material in repairing an injury.



They are available as a single combi unit as well as separate stem and patch.

PLUG REPAIRS - Tubeless tyre only

Permacure

Ideal for nail-hole repair on a tubeless tyre, FLX Permacure is based on state of the art self vulcanizing technology sourced from Tech International (USA). It is a permanent cure (hence the name 'permacure') that does not require heat for repair. It can repair injuries from nail-hole to 13 mm size, resulting in less labour time and a durable, permanent repair. Multiple permacure units can be used together.



Tyre Seal

FLX Tyre Seal is an economical, temporary repair for a nail-hole injury on a tubeless tyre. Designed for quick use, the tyre seal enables the vehicle to complete its journey. It is recommended to get a permanent repair done before commencing a fresh journey.



CHEMICALS & ADHESIVES

FLX Cycle Tube Repair Solution (FLX Bond)

FLX Bond is a red coloured premium quality tyre solution for repairing tubes by bonding cut pieces of tubes to the puncture area. It is a fast drying, easy to apply adhesive. Available in 50 ml and 75 ml tubes.



Chemical Vulcanising Fluid (CVF)

CVF is used in conjunction with FLX dual cure and/or chemical cure tyre & tube repair units. It enables vulcanization between the repair unit and the tyre/tube and provides a long lasting and strong bond. Available in 30 ml, 75 ml, 200 ml & 1 ltr packs.



Mounting Compound

FLX Tyre Lube Compound is an excellent bead pack and lubricant. It aids in easy mounting and demounting of the tubeless tyre from its rim. FLX's special formulation also has rust inhibitors added and thus are rim friendly. Available in 1 kg, 5 kg & 10 kg packs.



FLX Rub-o-matic and Rub Clean

FLX ROM & Rub Clean are cleaning agents that provide for an easy, effective and safe method for removing contamination from the injury area. Available in 200 ml & 1 ltr packs



FLX Security Coat

FLX security coat restores the over-buff area on a tubeless tyre inner liner. It also helps in protecting the repair units from contamination after application on tyre. It also helps in air retention. Available in 200 ml cans.



RETRADING MATERIAL

Vulgum & Cushion Gum

FLX Vulgum & Cushion Gum are amongst the best bonding gums in their category. They easily cure to tread hardness and form a very strong and lasting bond between the tyre casing and the tread. Vulgum is best suited for curing temperatures of 110°C and above while Cushion gum is best suited for curing temperatures of 125°C and above. They can also be used to fill up the skived area of a tyre that is being sectioned or reinforced.



Rope Rubber

FLX Rope Rubber is produced with a high quality natural rubber compound which provides excellent extrusion and workability, maximum adhesion to the tyre, and outstanding wear and weather resistance. It can be used in both hot and cold retreading as well as in repairs to fill up the injured area.



Tem Adhesive

FLX Tem Adhesive is a premium quality, fast drying black vulcanizing cement that is used in tyre repair and retread process. An easy to apply cement, it enables strong bonding between buffed area of the tyre and the cushion gum. It is available in a thick concentrate form and ready to use form (RTU, BVC). Available in ½ ltr, 1 ltr, 5 ltr & 25 ltr drums.



Tem Vulc

FLX Tem Vulc is a revolutionary product from Unipatch for use in tyre retread process. An ecofriendly and fire-proof product, it offers high productivity (three to five times that of a regular black vulcanizing cement). For best results, it is recommended to use Tem Vulc with a spray gun. Available in 1 ltr and 5 ltr packs.



Curing Bags & Envelopes

FLX curing bags have the ability to withstand high temperature and give maximum retreads without elongation or reduction in gauge.



TOOLS & ACCESSORIES

Spotters

FLX Spotters are best suited for vulcanizing injuries on tyres of cars, trucks, buses, and industrial off the road vehicles. Independently operating thermostatically controlled heating units attain curing temperature quickly and maintain it evenly. Electronically controlled timer aids easy operation.

Car spotter can handle tyre sizes up to 8.25 - 16 and injuries upto 2.5" on crown and 3.5" on sidewall & shoulder.

Deluxe Spotter can handle tyre sizes up to 1800-25 and injures upto 4.5" on crown and 5" on sidewall & shoulder.

GT-II spotter can handle tyre sizes up to 29.5 - 29 and injuries upto 5" on crown and 6" on sidewall & shoulder.



Monaflex Vulcanising Machine

The Monaflex Vulcanising system is the ultimate repair system of OTR tyres. It can repair injuries on crown, shoulder & sidewall or any size of tyre. Its portability allows for carrying out distortion free section repairs at the remotest of the job sites. A modular system, it can be tailor made and customized according to the user's requirement, based on the size of tyre being repaired. The system utilizes the combination of flexible rubber heat pads and air bags to provide the desired heat and pressure to vulcanize both rubber filler material in the damaged area of the tyre and to the entire repair unit in one simple operation.



INJURY PREPARATION TOOLS

FLX's range of injury preparation tools include Carbide Cutters, Diamond Cut Burrs, Aluminium Oxide Stones, Gougers, Tungsten Carbide wheels & rasps and wire brushes.

Carbide Cutters & Diamond Cut Burrs

They are innovative skiving tools, which are used to remove the damaged steel cables and loose wires in radial tyres. They enable a quick and efficient way to minimize the size of injury.



Aluminium Oxide Stones

They are used to remove all loose steel wires around tyre injury in steel constructed tyres. They come in pencil, conical and mushroom shapes.



Gouges

They have lightweight construction and are designed to facilitate a cool running operation to enhance their performance and life. The razor like surface ensures fast and easy removal of large quantities of rubber.



Tungsten Carbide Buffing Wheels and Rasps

They have an air cooled design which permits faster, cooler and cleaner buffing and helps eliminate burning and glazing of rubber. They come in various shapes like pencil, tapered cone, contour cup & round face.



Wire Brushes

Encapsulated wire brushes are used for removing the rubber surrounding the steel cables, allowing for steel to be removed without creating excess scorch.



General Purpose & Safety tools

They are made of the highest quality material for the precise injury preparation on radial and bias-ply tyres. These are designed to make your tyre repair jobs easier and faster. These include stitchers, scrapers, skiving knives, spiral cement tools as well as safety tools like masks, safety goggles, gloves etc.



TUBES

FLX tubes are made from the finest Butyl Rubber. The tubes, for two/three wheeler, passenger cars, light and heavy commercial vehicles, conform to ISO standards and offer excellent air retention and longer life.





MODELS	CAPACITY (AH)	SIZE (+2mm)	WET WEIGHT (KG)	TERMINAL	PLATES QUANTITY	DRY WEIGHT (KG)
NS40	32	196x129x201x222	9.20	B-0/1	M9 (3+4-)	5.80
NS40Z	36	196x129x201x222	9.20	B-0/1	M9 (3+4-)	5.80
N40	40	238x129x210x222	11.20	A/B-0/1	M9 (4+4-)	6.85
NS60	45	238x129x201x222	11.20	A/B-0/1	M9 (4+4-)	6.85
N50	50	259x172x203x225	15.20	A-0/1	M11 (5+4-)	8.76
N50Z	60	259x172x203x225	15.80	A-0/1	M11 (5+5-)	9.27
NS70	65	259x172x203x225	15.80	A-0/1	M11 (5+5-)	9.27
Nx110-5	68	259x172x203x225	16.50	A-0/1	M11 (6+5-)	9.90
N70	70	305x172x203x225	18.40	A-0/1	M13 (5+5-)	10.50
N70Z	75	305x172x203x225	19.10	A-0/1	M13 (6+5-)	11.24
Nx120-7	80	305x172x203x225	19.10	A-0/1	M13 (6+5-)	11.24
N90	90	305x172x203x225	19.80	A-0/1	M13 (6+6-)	11.90
N100	100	409x174x207x229	24.30	A-0/1	M10 (8+8-)	14.80
N105	105	409x174x207x229	25.00	A-0/1	M10 (8+9-)	15.40
N120	120	504x180x211x232	29.80	A-4	M11 (9+9-)	17.80
N135	135	504x180x211x232	32.30	A-4	M15 (8+8-)	19.80
N150	150	507x220x213x234	35.40	A-4	M15 (8+9-)	20.68
N180	180	507x220x213x234	37.60	A-4	M15 (10+11-)	24.67
N200	200	506x263x216x240	44.80	A-4	M15 (11+11-)	27.70
N220	220	506x263x216x240	46.60	A-4	M15 (12+12-)	29.50
DIN45	45	241x174x190x190	12.90	A-0	M11 (4+4-)	7.64
DIN55	55	241x174x190x190	13.30	A-0	M11 (5+4-)	8.29
1DIN60	60	241x174x190x190	14.30	A-0	M11 (5+5-)	8.80
DIN66	66	277x174x190x190	16.10	A-0	M11 (6+5-)	9.78
DIN70	70	277x174x190x190	16.80	A-0	M11 (6+6-)	10.29
1DIN75	75	277x174x190x190	16.80	A-0	M11 (6+6-)	10.29
DIN80	80	315x174x190x190	17.30	A-0	M11 (7+6-)	10.90
DIN88	88	353x174x190x190	20.00	A-0	M10 (7+7-)	12.37
DIN90	90	353x174x190x190	20.00	A-0	M10 (7+7-)	12.37
DIN100	100	353x174x190x190	20.20	A-0	M10 (7+8-)	12.96
DIN120	120	509x185x196x217	28.20	A-3	M17 (7+7-)	18.55
DIN135	135	509x185x196x217	30.00	A-3	M15 (8+8-)	20.30
DIN150	150	510x216x196x217	34.20	A-3	M15 (8+9-)	21.20
DIN180	180	510x216x196x217	37.70	A-3	M15 (10+11-)	24.80

LITHIUM AP - LL 30000 GREASE

AP-LL 30000 GREASE is lithium soap grease which provides high performance and superior shear resistance, hence has better structural & mechanical stability. This grease has service life up to 30,000 kilometres in automotive bearing application under ideal road condition. It provides excellent lubrication and protection to the bearing parts over a wide temperature & pressure range, under normal as well as adverse mechanical conditions.

Benefits

- High drop point.
- Great lubrication capability.
- High service life.
- Excellent water resistance capabilities.
- Higher corrosion protective capabilities.



Performance Level

As per IS 7623-1993, NLGT-3 specifications.

Packing Available

500gm | 1 kg | 2 kg | 3 kg
5 kg | 7 kg | 10 kg | 18 kg
50 | kg | 180 kg M.S. Barrel

Technologies

FLX repair units come in the following three technologies

Dual Cure : Most popular of the three technologies, dual cure repair units cure with the tyre either by heat + pressure + time or due to chemical reaction.

Chemical Cure : Heat resistant patch with a longer shelf life. Vulcanization is triggered by application of CVF that starts a chemical reaction to cure the repair unit with the tyre.

Cloth Back repairs : Pre cured repair unit, on a drill cloth. Elimination of grey gum ensures unlimited shelf life. Best suited for OTR repairs using monaflex repair system and by retreaders who want to cure the patch and the tread in a single process.



DISTRIBUTOR

HEAD OFFICE

FELIX INTERNATIONAL

C-467, Harijan Bast, New Delhi - 110096

Tel. : +91 99993 05717

E-mail : felixinternational29@gmail.com

Website : felixinternational.com