

# Tyre Repair Solutions

- Repair Systems
- Training
- Technical Support



 **MONAFLEX**

With you for the long haul | Tyre Repair Solutions

# Complete tyre maintenance & management

At Monaflex we provide the highest quality tyre repair system in the industry, as well as a first-class training and support package, so you have everything you need for a top tier tyre repair operation.

## A solution-driven service

Establishing the right tyre management plan and setup can be time-consuming and complex, but using our expertise as industry world leaders, we have streamlined the process and provide proven solutions tailored to your business.

Whether you need help establishing a green field tyre repair operation, advice on how to optimise workshop efficiency or require bespoke training, we can provide effective solutions that increase the productivity of your tyres, save time and money, and fulfil your sustainability commitments.

## 60 years of experience

We've been in the industry for over 60 years supporting global industries in mining, civil construction, agriculture and road transport. Our team has worked with every conceivable type of tyre repair project, from one-man agricultural-focused operations to managing workshops at the world's largest mines

Our purpose is to share our expertise and experience so we can improve the safety and efficiency of your operations.

## Pioneering new technologies

Our tyre repair system was the first of its kind and innovation and pioneering advanced technologies, are still at the heart of everything we do today.

We've built a reputation as trusted experts in the industry and we're dedicated to finding the best solutions and products for you.



**Monaflex tyre repair systems produce the highest quality repairs for all tyre sizes and types.**





We help you save time,  
money and human  
resources and reduce  
waste in scrap. A Monaflex  
system can pay for itself in  
as little as a month.

## We can help you by...

- Guaranteeing effective and efficient repairs for every type and size of tyre via the Monaflex Tyre Repair System - see pages 4 & 5
- Delivering bespoke training sessions to your team - see page 8
- Providing on-going technical support - see page 9
- Advising on how to prolong tyre lifespans
- Designing your tyre repair operation from scratch
- Fine tuning your tyre repair setup and problem solving
- Providing safety audits and industry recognised Standard Operating Procedures

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# The Monaflex Tyre Repair System

**A perfectly moulded repair that is the strongest in the industry**

Doing away with traditional heavy machinery, Monaflex developed a lightweight yet tough system that provides a distortion-free, long-lasting repair to tyres of all sizes.

Our new  
R-Type  
components  
are stronger, and  
lighter, still  
- see pages  
31, 32 & 35

## Why Monaflex Tyre Repair Systems?

### Faster repairs

The Monaflex system is far quicker than other systems, as the required temperature for vulcanisation is uniformly applied to the repair area from both the inside and outside of the tyre. This means the patch and the plug can be cured at the same time. Curing time is quicker, which means less downtime for your vehicles.

### How it works

#### The repair

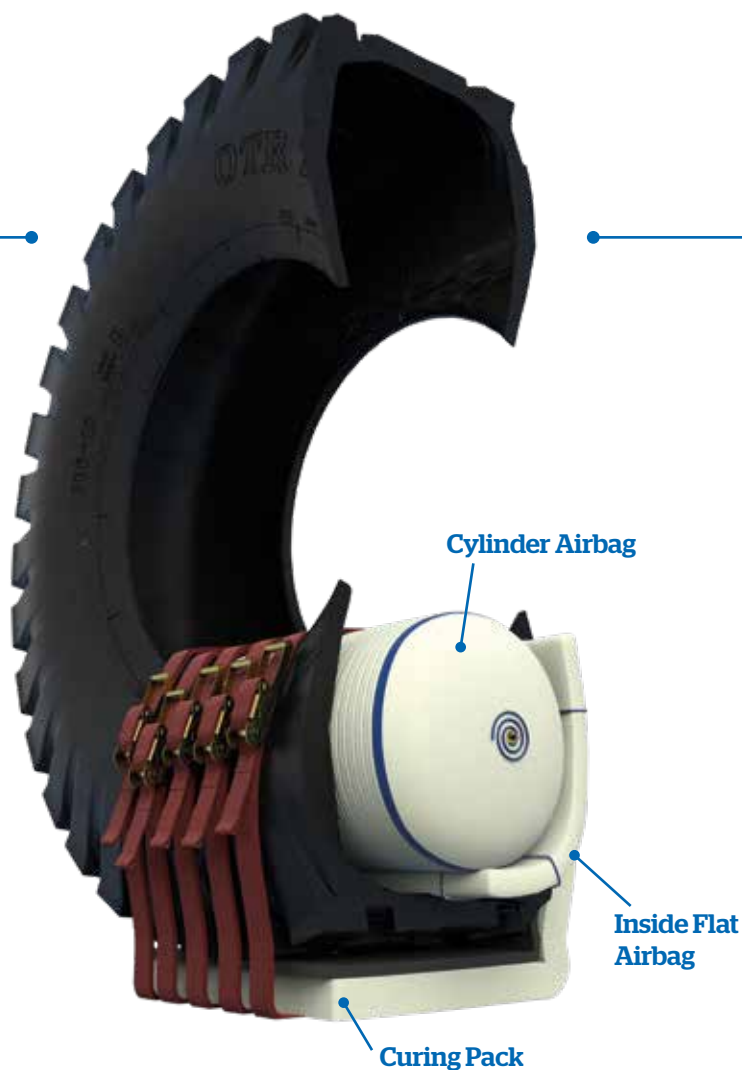
Following inspection, damaged material around the injury on the outside of the tyre is removed and replaced with rubber compound. The penetration through the inner liner is covered with a flexible reinforced patch.

#### The process

Monaflex pioneered the use of airbags to apply the required pressure for vulcanising whilst also conforming perfectly with the complex contours of the tyre. Combined with flexible, heavy duty heat pads the vulcanised repairs are uniformly smooth and feather edged - giving even greater adhesion and repairs that will outlast the tyre.

### Longer lasting repairs

Heavy-duty inflatable airbags provide consistent pressure allowing for total conformity to the profile of the tyre. The result is a distortion-free, feather edged repair which is stronger than any other.



### Vulcanisation

When the new repair is heated under pressure a chemical reaction in the uncured soft rubber causes the molecules to begin “cross-linking” with other molecules. After a period of time this will cause the uncured rubber to become much harder and durable whilst also firmly adhering to the original tyre structure. With the Monaflex System a repair can be made that will be virtually undistinguishable from the tyre around it.

## Tough design, superior quality



Using durable heat pads and hard wearing airbags, Monaflex operates a stringent manufacturing quality assurance system, from comprehensive testing of raw materials through to the issuing of individual ‘product passports’ to document pre-despatch testing. This process ensures all Monaflex equipment is ready to face the harshest environments with full warranty protection.

## Portable and easy to use



Designed for easy assembly by a single operator, the Monaflex system can collapse down to a compact size making transport and storage easy. With no heavy metalworks, even the complete system for repair of the largest tyres in the world can be transported in the back of a regular car, making mobile repair services and multi-site operations a possibility.

## A system tailored to your needs



With this system you can lower initial setup costs by only purchasing the equipment you need to repair a specific range of tyres. You can always expand at a later date as your tyre range extends. The full Monaflex system will cover a wider range than any other on the market. Each system can repair the sidewall, shoulder and crown without the need for extra components.

**Specialists in...**

# **bead and sidewall repairs**

## **Bead repairs**

One of the most important components of a tyre is the bead. Without a functioning bead, a tyre simply could not stay securely on the rim, rendering it useless.

Beads can frequently be damaged during the mounting, dismounting or mechanical handling of tyres. The Monaflex system ensures a strong permanent repair. Using our system, loose rubber is buffed back and raw compound is applied to the area. This can then be properly cured using heat and pressure to the repair area from all sides of the bead\*.

*See pages 16, 17 and 27 for our dedicated bead repair systems.*

\*Please note: Do not attempt repair if the bead cable is damaged. We recommend only rubber repairs are made and that damage to tyre body cords or bead bundles are rejected for repair.

## **Sidewall repairs**

The environment in which dump trucks, wheel loaders, motor graders and other heavy mining equipment operate is severe, even on the toughest of tyres. One of the most common failure modes is sidewall damage.

Monaflex offers a range of dedicated sidewall repair systems which provide a rapid setup solution for operations seeing a high volume of this specific type of damage. With the addition of a metal frame, an operator can assemble the system in less than a minute.

*See pages 14 and 26 for our dedicated sidewall repair systems.*



**During the  
working life of an  
earthmover, a great  
deal more will be  
spent in total on new  
tyres than was paid  
out on the original  
machine.**



## Good for the... **environment and your budget**

Having a comprehensive tyre management plan is important in extending the lifespan of your tyres, and is a critical factor for maximising your budget and productivity.

The Monaflex Tyre Repair System, along with our first-class training and support package, means you can extend tyre life by hundreds and even thousands of hours. Keeping tyres in service for as long as possible considerably reduces scrap and your carbon footprint.

### **More complex repairs means less scrap**

Many repair systems fail to provide an effective solution for badly damaged tyres, but the Monaflex system ensures a strong permanent repair which remains as robust as the original tyre construction. Bead and sidewall damage would usually result in a tyre being disposed of however our specialised equipment can restore the integrity of tyre strength with a complete vulcanised repair which further reduces the environmental burden of disposal.



**Costly disposal  
of scrap tyres is a  
recognised industry  
problem. Reliable  
tyre repair solutions  
dramatically extend  
life spans, and  
drive significant  
financial savings  
and compelling  
environmental  
benefits.**



# **The Monaflex Training Academy**



We provide a comprehensive certified training programme that covers everything you need to maintain a productive and successful tyre repair operation. Our courses cover all disciplines from the fundamentals of tyre repair and troubleshooting to fleet tyre maintenance and management.

## **Become a certified Monaflex repairer**

We offer bespoke courses for you and your team when and where you need it.

- **Attend the Monaflex Training Academy on Guernsey**
- **Access our interactive online sessions with our experts**
- **Alternatively, we can come to you and deliver training on site**

**Contact us to find out what courses  
are best for you and your team**

**[repair@monaflex.com](mailto:repair@monaflex.com)**





## **We go the extra mile with our unparalleled technical support**

Our great service doesn't end once you've purchased your Monaflex Tyre Repair system. Our experts are available for technical assistance at any time and indefinitely. Customer service is at the heart of everything we do.

### **With our technical support base you have access to:**

- **Dedicated technical advisors**
- **Expert tyre repair trainers**
- **Support and advice on tyre maintenance and management disciplines**
- **Contact us anytime via telephone, email, WhatsApp and Skype.**
- **We promise a response to all queries within 24 hours**



We also offer online resources, best practice guides, 'how to' guides, manuals and tutorial videos.

**Visit [repair@monaflex.com](mailto:repair@monaflex.com)**



## tyre repair systems

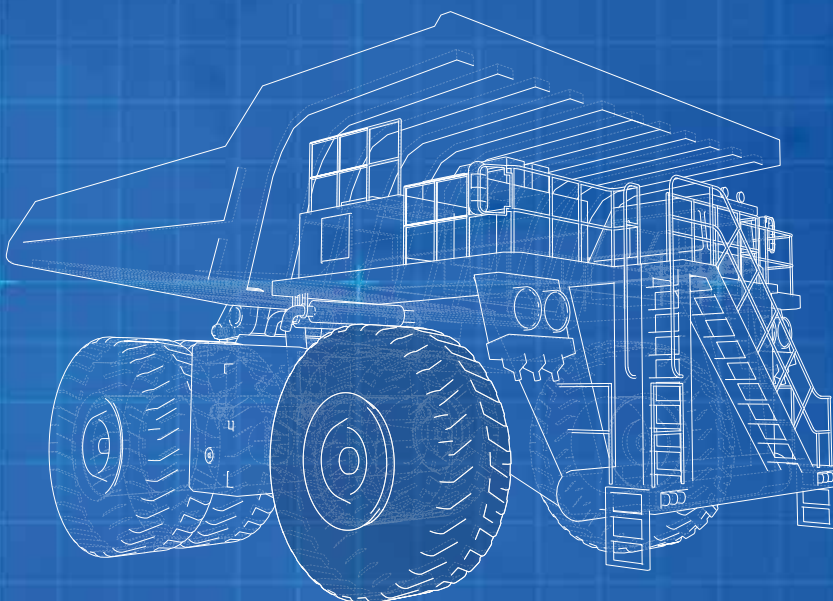
- **Easy to use** - little training is required for all our systems as they are user friendly.
- **Quick** - fast assembly as the system comprises minimal components, and simultaneous internal and external vulcanisation means quicker repairs.
- **Compact** - easy to transport and store. No need for traditional heavy-weight machinery.
- **Simple requirements** - all that's needed is a 240V\* single phase power supply and clean air supply (minimum 50psi).  
\*110V available upon request.
- **Quality components** - super tough yet lightweight.
- **Durable, quality repairs** - applying the correct pressure just where it needs to be means a stronger, distortion free repair every time that provides exceptional durability.
- **Support and training** - unlimited technical support and multiple training options.
- **R-type Heat Pads and Airbags are stronger and lighter than ever before** - see pages 31, 32 & 35.
- **Full warranty protection**

See also pages 4-5



# The OTR range

We specialise in OTR repair solutions that cater for every scenario, and offer a range of super tough repair systems from the classic Monaflex Custom System to the new mid range OTR Sidewall System, all of which are designed with our customers in mind.



## Which system do I need?

	CUSTOM OTR - pages 12-13	OTRS - page 14	MOTRS - page 14	MBRS - page 16	XL BRS - page 17
<b>Best for</b>	OUR MOST POPULAR SYSTEM – COVERS ALL SITUATIONS	WORKSHOPS WITH A HIGHER VOLUME OF SIDEWALL REPAIRS		FIXES ACCIDENTAL BEAD DAMAGE	
<b>Size range</b>	ALL TYRE SIZES – CAN BE TAILORED TO YOU	14.00R24 TO 29.5R29	27.00R49 TO 45/65R45	18.00R25 TO 45/65R45	40.00R57 AND 59/85R63
<b>Sidewall</b>	✓	✓	✓		
<b>Crown</b>	✓				
<b>Shoulder</b>	✓				
<b>Bead</b>				✓	✓
<b>Radial</b>	✓	✓	✓	✓	✓
<b>Bias</b>	✓	✓	✓		



# OTR Custom System

The Monaflex OTR Custom System is the super tough, yet lightweight customisable system for the repair of all tyres on the market today. Whether your focus is earthmover, agricultural, industrial, construction or a combination of multiple tyre types and sizes, this system can be set up to suit your precise needs.

## Features

- **This system is fully customisable.**  
Only the components necessary for the tyre range being repaired need to be purchased. So you can start small and grow large by adding extra components when other tyre sizes are being repaired.
- **Includes the M100 Control panel**
  - Extremely durable
  - Precision dual Heat Pad control.
  - Advanced heat pad temperature control.
  - Three-way independent air control
  - Automatic air differential
  - Fail safe features

Plus all the benefits of a Monaflex tyre repair system - see page 10.



## Did you know?

This is the most flexible system on the market and can be tailored specifically for you.



## tyre range

ALL OTR TYRES ON THE MARKET 13.00 SECTION THROUGH TO 70/70-63



## can repair

RADIAL AND BIAS TYRES  
REGULAR, WIDE BASE, SUPER WIDE BASE,  
FLOATATION, SKIDDER AND TERRA TYRES  
SIDEWALL, SHOULDER AND CROWN



## components

RECOMMENDED CONTROL PANEL: M100 - R  
PLEASE SEE THE APPLICATION CHART FOR  
COMPONENT REQUIREMENTS



## OTR Application Chart

WIDE BASE	TYRE SECTION (INCHES)	CYLINDER BAG	INSIDE FLAT BAG	INSIDE HEAT PAD		OUTSIDE HEAT PAD	EXTERNAL PACK WITH FLAT BAG & STRAPS
				BIAS	RADIAL		
14.4-24 TO 16.9-38	13.00 TO 17.5	TR1315/20W		MR2519H	MR3015H	TRR2621H	TRR2621E WITH TROC5XL STRAPS
18.4-34 TO 20.8-42	18.00 TO 21.00	M1721/24W		MR2519H OR MR2626H	MR3015H	TRR2621H	TRR2621E WITH TROC5XL STRAPS
23.1-26 TO 30.5-32	23.5 TO 26.5	M1721/24W	MR4824	MR2519H OR MR2626H	MR3015H	TRR2621H	TRR2621E WITH TROC5XL STRAPS
25/65-25	27.00 TO 29.5	M1721/24W	MR4824 MR5432*	MR2519H OR MR2626H	MR3015H OR MR4220H	TRR2621H	TRR2621E WITH TROC5XL STRAPS
35/65-33 TO 45/65-45	30.00 TO 37.5	M2732/32W	MR5432	MR3132H OR MR2626H	MR4220H OR MR4224H	MR2626H OR MR3132H	MR4832E WITH M45/6/7 (1HG) 6 STRAPS
49.5/85-57 TO 50/65-51	40.00	M3842/32W		MR3132H OR MR2626H	MR4220H OR MR4224H	MR2626H OR MR3132H	MR4832E WITH M45/6/7 (1HG) 6 STRAPS
46/90-57		M3842/32W	MR5432*		MR4824H OR MR5224H		
50/80-57 TO 55/80-57		M4447/32W		MR3132H OR MR2626H	MR4220H OR MR4224H OR MR4824H OR MR5224H	MR2626H OR MR3132H	MR4832E WITH M45/6/7 (1HG) 6 STRAPS
53.5/85-57 53.5/85-63 55.5/80-57 55.5/85-57 55.5/85-63		M4447/32W	MR7532 OR MR9032	MR3132H OR MR2626H	MR4220H OR MR4224H OR MR4824H OR MR5224H	MR2626H OR MR3132H	MR4832E WITH M45/6/7 (1HG) 6 STRAPS
59/80-63 60/80-57 70/70-57		M5054/32W	MR9032	MR3132H OR MR2626H	MR4220H OR MR4224H OR MR4824H OR MR5224H	MR2626H OR MR3132H	MR4832E WITH M45/6/7 (1HG) 6 STRAPS

Please note that this Application Chart is a general guide for common tyre sizes. When selecting a Heat Pad, choose a size that will comfortably cover the largest patch that will be in used in that tyre range. This should be at least 3 or 4 inches over the patch dimensions in both orientations. Additional components are available. Please enquire at [repair@monaflex.com](mailto:repair@monaflex.com)

\*When repairing 27.00" through 29.5" section widths in Bias tyres, it may be necessary to use a MR5432 to fully cover the patch.

For certain brands of 46/90-57 tyres, it may be necessary to also use an MR5432 inside Flat Airbag to fully fill the section void.



# OTR Sidewall Systems

Our OTR Sidewall Systems provide the same superior inflation technology used in the standard system but incorporated into an extra quick assembly housing for use in places where there is a high volume of sidewall injuries. It can be assembled in minutes by just one technician.

## Features

- **Seperating into two parts, the inner frame is simply dropped into the tyre section and positioned with the heat pad over the repair area.** Taking the outside frame component, the guide bars are pushed into place and locked off with the pins. The system is then pressurised, brought up to operating temperature and the timer set for the cure to take place.

**Plus all the benefits of a Monaflex tyre repair system - see page 10.**



## tyre range

### OTRS SYSTEM

14.00-24 TO 29.5-29

### MOTRS SYSTEM

27.00R49 TO 45/65R45



## can repair

### RADIAL AND BIAS TYRES

REGULAR, WIDE BASE, SUPER WIDE BASE,  
FLOATATION, SKIDDER AND TERRA TYRES

SIDEWALL REPAIRS ONLY



## components

### OTRS SYSTEM

TRRS D-R - CONTROL PANEL

OTRS H - STEEL FRAMEWORK

OSX2215H - HEAT PAD (OUTSIDE TYRE)

OSX2815H - HEAT PAD (INSIDE TYRE)

OS2117A - AIRBAG (OUTSIDE TYRE)

OS2517A - AIRBAG (INSIDE TYRE)

### MOTRS

TRRS D-R - CONTROL PANEL

OTRSM H - STEEL FRAMEWORK

OSX3019H - HEAT PAD (OUTSIDE TYRE)

OSX3719H - HEAT PAD (INSIDE TYRE)

OS2921A - AIRBAG (OUTSIDE TYRE)

OS3221A - AIRBAG (INSIDE TYRE)





# OTR Bead Repair Systems



## Mid-range (MBRS)

Repairing minor damage in the bead area can dramatically reduce costly tyre wastage. This new solution for mid-range radial OTR tyres covers sizes up to 45/65R45 and is the only system designed for bead sole widths of 2 to 4".

### Features

- **Specialist bead repairs** - a single heat pad wraps around the area to provide uniform temperature whilst the flexible, inflatable airbags ensure perfect conformity to the bead.
- **Rapid assembly** - the heat pad and airbag are supplied as a single unit which can be dropped in place over the bead damage. The operator can then quickly lock the frame together, secure in place using the strap and switch the unit on. No single part weighs more than 9kg so a single operator can use the system quickly and easily.

Plus all the benefits of a Monaflex tyre repair system - see page 10.



### tyre range

18.00R25 TO 45/65R45  
A BEAD SOLE WITH OF 2 TO 4"



### can repair

RADIAL  
BEAD



### components

MVN100 ET - CONTROL PANEL  
MBRS H - STEEL FRAMEWORK  
TR2210H - HEAT PAD  
M2512 EVSS - FLAT AIRBAG  
M45/6/7 (1) - SINGLE STRAP  
MBRS PP - PRESSURE PAD  
MVS5001/112 - AIRLINE



## Giant OTR (XLBRS)

Many costly earth mover tyres are scrapped due to minor damage in the bead area. The solution is Monaflex's XL Bead Repair System (XLBRS), the only system that can conform to the complex profile of the radial bead area on giant radial OTR tyres. The inflatable airbags used throughout the Monaflex range conform perfectly to the bead and also provide the necessary pressure to facilitate the vulcanising process.

### Features

- **Two Monaflex heat pads**, one directly on the bead and the other wrapping around the area provide the required temperature.
- **Specialist Bead repairs** - a unique system for repairing a damaged bead on giant radial OTR tyres.
- **Rapid assembly** - the heat pad and airbag are supplied attached to the steel frame, the operator need only lock the frame together over the prepared Bead injury and switch the unit on.
- **Breaking down into two sections** the XLBRS is simple to setup and can be easily assembled by one operator.
- **Designed for use with the largest Radial OTR tyres**, the working width of the Bead sole is 4.75".

Plus all the benefits of a Monaflex tyre repair system - see page 10.



### tyre range

40.00R57 AND 59/85R63

COVERS A BEAD SOLE WIDTH OF 4.75"



### can repair

RADIAL

BEAD



### components

TRRS D - CONTROL PANEL

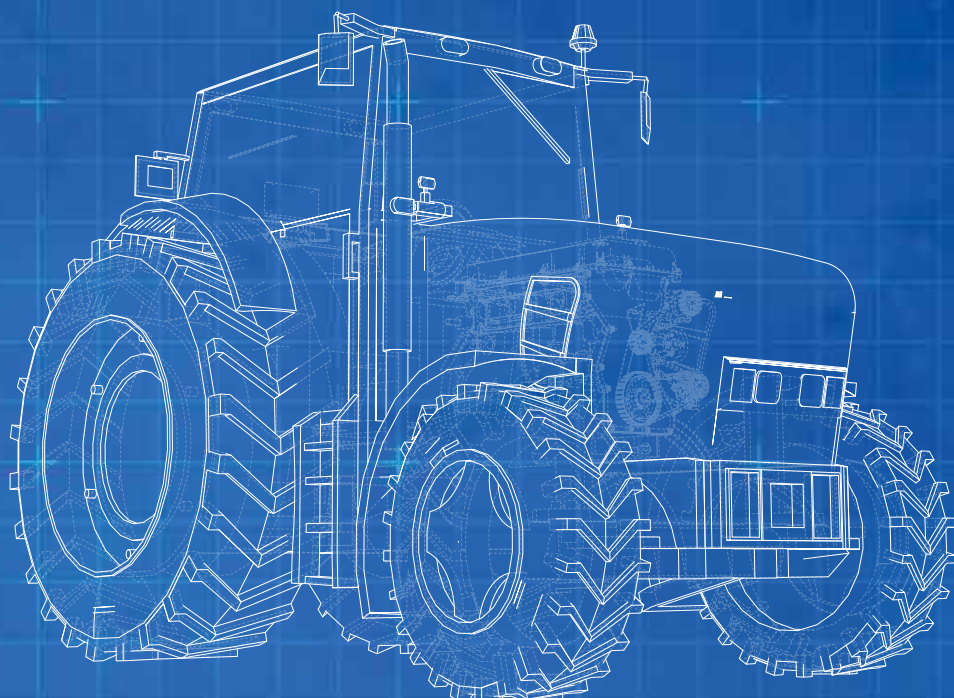
XLBRS H - STEEL FRAMEWORK

XLBRS13X4.75H - HEAT PAD (BEAD)

XLBRS4112H - HEAT PAD (WRAP)

XLBRS43.5X13A - AIRBAG

XLBRS BB - BEAD BLOCK



## The Agricultural range

While all Monaflex systems work with agricultural tyre sizes, this range is specifically optimised to consider the diverse range of agricultural tyre sizes and profiles on the market today.

### Which system do I need?

AGRI SYSTEM TYPE	CYLINDER AIRBAGS - page 20	FILLER BAGS - page 21	MIXED - page 21
Size range	250/85 TO 900/70	250/85 TO 1250/50	
Best for	QUICKLY FILL LARGE TYRE VOIDS AND ENSURE ACCURATE, CONSISTENT PRESSURE EVERY TIME	FLEXIBILITY. COST EFFECTIVE WHEN WORKING WITH A VARIETY OF SIZES. BE PREPARED FOR UNEXPECTED TYRE SIZES.	OPTIMISE YOUR WORKSHOP WITH QUICK, EFFICIENT CYLINDER BAGS FOR POPULAR SIZES AND FILLER BAGS FOR LESS FREQUENTLY ENCOUNTERED TYRES
Sidewall	✓	✓	✓
Shoulder	✓	✓	✓
Crown	✓	✓	✓



# The AGRI tyre repair system

The Monaflex AGRI tyre repair system is the flexible choice for all types of agricultural tyres, Choose the set up that perfectly suits your own mix of tyre types and sizes. From tractor to combine harvester, forestry or skidder, this system can cover it all.

## Features

- **Customisable** - you only need to purchase the components for the agricultural tyre range you are repairing. It is easy to add more components as you need them.
- **Choice of system concepts** - choose cylinder airbags to fill your tyre quickly and effectively or filler bags to add cost effective flexibility when working with a wide range of sizes. Keep both types in stock for maximum flexibility.
- **New AG Series Heat Pads** - designed to fit neatly in the tread void, are now available for faster and more effective crown repairs.

Plus all the benefits of a Monaflex tyre repair system - see page 10.

### Did you know?

There are a choice of two AGRI system types so you can find the best fit.



## tyre range

16" TO 42" RIM AGRICULTURAL TYRES  
250/85 TO 1250/50



## can repair

RADIAL AND BIAS  
REGULAR AND LOW PROFILE  
SIDEWALL, SHOULDER AND CROWN



## components

TRRS D OR MC - CONTROL PANEL  
PLEASE SEE THE CYLINDER AIRBAG AND FILLER BAG APPLICATION CHARTS FOR COMPONENT REQUIREMENTS  
NEW OPTIONAL AG SERIES HEAT PADS ARE NOW AVAILABLE.



# Agri Application Chart - Airbags

AGRICULTURAL TYRE SECTION WIDTH (16" TO 42" RIM)		CONTROL PANEL	CYLINDER AIRBAG	INSIDE AIRBAG	INSIDE HEAT PAD	OUTSIDE HEAT PAD	EXTERNAL CURING PACK & STRAPS	MAXIMUM PATCH SIZE
(INCHES)	(MM)							
9.5 TO 12.4	250/85 TO 320/85	TRRS D	TR911/13W	N/A	TR2213H	TR2213H	TR2213E WITH TROC4 STRAPS	LENGTH: 20" WIDTH: 11"
13 TO 14	320/90 TO 380/70	TRRS D	TR1315/15W	N/A	TR2213H	TR2213H	TR2213E WITH TROC4 STRAPS	LENGTH: 20" WIDTH: 11"
ALSO COVERS:	420/65							
14.9 TO 16	380/80 TO 420/70	TRRS D	TR1315/20W	N/A	TR2213H	TR2213H	TR2213E WITH TROC4 STRAPS	LENGTH: 20" WIDTH: 11"
ALSO COVERS:	440/65							
16.9 TO 18.4	420/85 TO 500/80	TRRS D	M1518/24W	N/A	TR2213H	TR2213H	TR2213E WITH TROC4 STRAPS	LENGTH: 20" WIDTH: 11"
20.8 TO 23	500/85 TO 600/65	TRRS D	M1721/24W	N/A	TR2213H	TR2213H	TR2213E WITH TROC4 STRAPS	LENGTH: 20" WIDTH: 11"
ALSO COVERS:	620/55 650/60							
23.1 TO 29.5	600/70 TO 750/65	MC	M1721/24W	M3624W	TR2621H	TR2621H	TR2621E WITH TROC5XL STRAPS	LENGTH: 24" WIDTH: 19"
31.5 TO 31.5	800/65 TO 800/70	MC	M2124/24W	M4824W	TR2621H	TR2621H	TR2621E WITH TROC5XL STRAPS	LENGTH: 24" WIDTH: 19"
33.5 TO 35	850/85 TO 900/70	MC	M2732/24W	M4824W	TR2621H	TR2621H	TR2621E WITH TROC5XL STRAPS	LENGTH: 24" WIDTH: 19"

Please note that this Application Chart is a general guide for common tyre sizes. Additional components are available. For further information or guidance please contact [repair@monaflex.com](mailto:repair@monaflex.com)





## Agri Application Chart - Filler Bags

AGRICULTURAL TYRE SECTION WIDTH (16" TO 42" RIM)		CONTROL PANEL	INSIDE HEAT PAD	INSIDE AIRBAG	OUTSIDE HEAT PAD	OUTSIDE AIRBAG	STRAPS	MAXIMUM PATCH SIZE
(INCHES)	(MM)							
9.5 TO 23.1	250/85 TO 600/70	TRRS D	TR2213H	TR2213 EVLS	TR1413H	TR2213E	TROC4XL	LENGTH: 18" WIDTH: 11"
24.5 TO 49	620/55 TO 1250/50	TRRS D	TR2213H	TR2213 EVLS	TR2213H	TR2213E	TROC4XL	LENGTH: 18" WIDTH: 11"

AGRICULTURAL TYRE SECTION WIDTH (16" TO 42" RIM)		4" Ø FILLER BAG [FB4]	5" Ø FILLER BAG [FB5]	6" Ø FILLER BAG [FB6]	7" Ø FILLER BAG [FB7]	TOTAL WEIGHT (KG)	KIT NAME
(INCHES)	(MM)						
9.5 TO 18.4	250/85 TO 480/80	X 4	X 8			28.8	FILLER KIT A [FKA]
20.8 TO 24.5	500/70 TO 650/65	X 4	X 8	X 4		44.4	FILLER KIT B [FKB]
24.5 TO 30.5	650/70 TO 800/70	X 4	X 8	X 4	X 4	63.6	FILLER KIT C [FKC]
30.5 TO 49	850/85 TO 1250/50	X 4	X 8	X 8	X 8	98.4	FILLER KIT D [FKD]

## AG Series Heat Pads

Select a Heat Pad size according to the tyre tread dimensions and repair plug size. The Heat Pad should fully cover the repair and fit comfortably between the tread lugs.

TYRE SIZE	HEAT PAD	DIMENSIONS
540/65R30	AGX1	360X105MM
520/70R38		
600/65R38		
520/85R42		
650/85R38	AGX2	500X130MM
710/70R38		
710/70R42		
800/65R32	AGX3	600X160MM
800/70R38		
850/75R42		

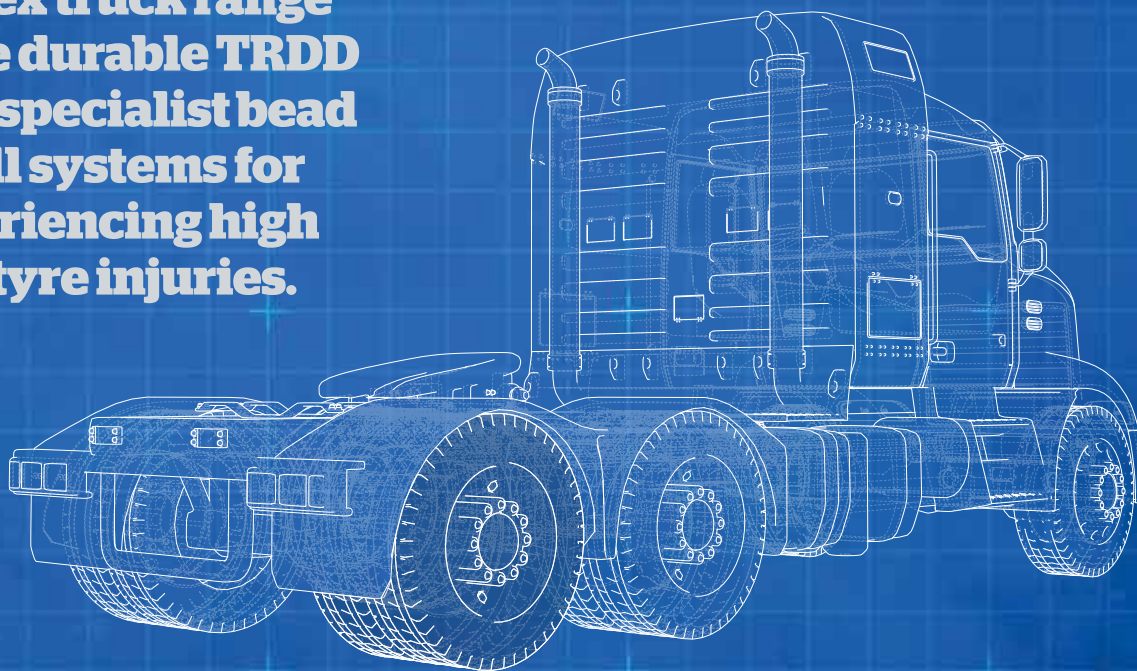


Please note that this application chart is a general guide for common tyre sizes. Additional components are available. Each filler kit will also cover all the sizes below the size listed for that line. For further information or guidance please contact [repair@monaflex.com](mailto:repair@monaflex.com)



# The Truck range

The Monaflex truck range includes the durable TRDD system and specialist bead and sidewall systems for trucks experiencing high volumes of tyre injuries.



## Which system do I need?

	TRM - page 23	TRDD - pages 24-25	SRS - page 26	BRS - page 27
<b>Best for</b>	A FIXED POSITION, STRAP FREE SYSTEM	A FLEXIBLE, PORTABLE TYRE REPAIR SYSTEM	QUICK AND EASY STRAP FREE SIDEWALL REPAIRS	A QUICK SOLUTION FOR REPAIRABLE BEAD DAMAGE
<b>Size range</b>	8.25 TO 17.5" SECTION WIDTHS	8.25 TO 12.00" SECTION WIDTHS OTR EXTENSION AVAILABLE	TRUCK: 8.25 TO 12.00X24 TRACTOR: 9.5-32 TO 12.4-38	TRUCK: 8.25 TO 14.00R24
<b>Sidewall</b>	✓	✓	✓	
<b>Crown</b>	✓	✓		
<b>Shoulder</b>	✓	✓		
<b>Bead</b>				✓
<b>Radial</b>	✓	✓	✓	✓
<b>Bias</b>	✓	✓	✓	
<b>Regular, low profile and super single</b>	✓	✓	✓	✓



# The TRM System

The TRM is a single system covering all truck and small OTR sizes.

## Features

- Being extra sturdy with the control panel mounted on a steel housing, quick to assemble and compact in size, means quick and easy repairs.
- Mountable ramp available for easy loading of tyres.

Plus all the benefits of a Monaflex tyre repair system - see page 10.

### Did you know?

This standalone workshop system offers extreme durability with all components incorporated into the metal frame.



TRACTOR	TYRE SECTION	OUTSIDE FLAT AIR BAG	OUTSIDE HEAT PAD		INSIDE HEAT PAD		CYLINDER AIR BAG	TOP PLATE REQUIRED
			RADIAL TYRE	X-PLY TYRE	RADIAL TYRE	X-PLY TYRE		
9.5-32 11.2-38 12.4-38	TRUCK 8.25 9.00 10.00 11.00 12.00 315/80	TRM4815	TR2213H	TR2210H	TR2210H	TR2213H	TR911/13W FRB	*TP1 OR *TP2
	SUPER SINGLE 365/80 TO 445/65	TRM4815	TR2213H	TR2210H	TR2210H	TR2213H	TR1315/15W	*TP1
14.4 - 24 TO 16.9 - 28	OTR 13.00 TO 17.5 - 25	TRM4815	M1616H	TR2213H	TR2213H	M1616H	TR1315/15W	*TP2



### tyre range

TRUCK: 8.25 SECTION THROUGH TO 12.00X24

TRACTOR: 9.5 TO 16.9" SECTION WIDTHS

OTR: 13.00 TO 17.5" SECTION WIDTHS



### can repair

RADIAL AND BIAS TYRES

REGULAR, LOW PROFILE AND SUPER SINGLE

SIDEWALL, SHOULDER AND CROWN



### components

TRM C – CONTROL PANEL

TRM H - STEEL HOUSING

TRM R - TYRE RAMP

GET IN TOUCH TO SELECT YOUR COMPONENTS



# The TRDD System

The TRDD provides a scaled down version of the OTR Custom System for those looking for the same high strength, top quality truck tyre repairs.



## Features

- **Complete the largest possible repairs for each tyre size** - versatile and easy and quick to setup
- **A huge tyre size range can be covered**, yet the system is compact
- **An OTR extension is also available.** Please see the application chart.

Plus all the benefits of a Monaflex tyre repair system - see page 10.



## TRDD Application Chart

TRACTOR/ SECTION WIDTH	TRUCK TYRE SECTION WIDTH	FLAT ROUND AIRBAG	INSIDE HEAT PAD		OUTSIDE HEAT PAD	OUTSIDE AIRBAG EXTERNAL PACK WITH FLAT BAG & STRAPS	
			BIAS	RADIAL			
9.5 TO 12.4 INCHES	8.25 TO 12.00"	TR911/13W FRB	TRR2213H	TRR2210H	TRR2213H	TRR2213E	TROC 4
260/70R TO 320/85R MM 315/80-22.5	235 TO 295 MM						
SUPER SINGLE/ WIDE BASE	365/80-22.5 TO 445/65-22.5	TR1315/15W FRB	TRR2213H	TRR2210H	TRR2213H	TRR2213E	TROC 4
THE TRDD SYSTEM CAN BE EXTENDED UPWARDS TO COVER OTR TYRES UP TO 21.00 SECTION WIDTH							
OTR	13.00 TO 17.5" TYRE EXTENSION 330 TO 445 MM	TR1315/20W	MR1616H/ MR2519H*	TRR2213H/ MR3015H	TRR2621H	TRR2621E	TROC5XL
	18.00 TO 21.00" TYRE EXTENSION 455 TO 530 MM	M1721/24W	MR1616H/ MR2519H*	TRR2213H/ MR3015H	TRR2621H	TRR2621E	TROC5XL

Please note that this Application Chart is a general guide for common tyre sizes. \*When selecting a Heat Pad, choose a size that will comfortably cover the largest patch that will be in used in that tyre range. This should be at least 3 or 4 inches over the patch dimensions in both orientations. Additional components available. Please enquire. If in doubt please get in touch on [repair@monaflex.com](mailto:repair@monaflex.com)



**tyre range**

TRUCK: 8.25 SECTION THROUGH TO 12.00X24

TRACTOR: 9.5 TO 12.4 SECTION WIDTHS

OTR: THE SYSTEM CAN BE EXTENDED TO 23.5" SECTION WIDTHS IN OTR VIA OPTIONAL EXTRA COMPONENTS. NO OTHER SINGLE SYSTEM CAN COVER THIS TYRE RANGE.



**can repair**

RADIAL AND BIAS TYRES

REGULAR, LOW PROFILE AND SUPER SINGLE

SIDEWALL, SHOULDER AND CROWN



**components**

TRRS D-R - RECOMMENDED CONTROL PANEL

MVS1900/250 - TRUCK REPAIR STAND (OPTIONAL)

PLEASE SEE THE APPLICATION CHART FOR COMPONENT REQUIREMENTS



# Sidewall Repair System

The Sidewall Repair System (SRS) provides the same superior inflation technology used in the standard system but incorporated into a frame that can be assembled in seconds. This is perfect for those working on a high volume of sidewall injuries.

## Features

- **This system is supplied with the airbags and heat pads attached to the lightweight framework.** It has been designed without straps for rapid assembly on the tyre and is ready to use immediately.
- **One technician** - after ensuring correct positioning, the system is pressurized and is in operation. This whole process can be completed in seconds by one technician.

**Plus all the benefits of a Monaflex tyre repair system - see page 10.**



## tyre range

TRUCK: 8.25 TO 12.00X24

TRACTOR: 9.5-32 TO 12.4-38



## can repair

RADIAL AND BIAS TYRES

REGULAR, LOW PROFILE AND SUPER SINGLE

SIDEWALL REPAIRS ONLY



## components

TRRS D - CONTROL PANEL

SRS H - STEEL FRAMEWORK

SRS1210H - HEAT PAD (INSIDE TYRE)

SRS1210H - HEAT PAD (OUTSIDE TYRE)

SRS1210W - AIRBAG (INSIDE)

SRS1210 - AIRBAG (OUTSIDE)

MVS1900/250 - REPAIR STAND (OPTIONAL)



# Bead Repair System

The Bead Repair System (BRS) is the first in the truck market to provide a perfect bead repair. This is an invaluable system for expanding the life of truck tyres.

## Features

- **This highly specialised unit sits over the bead on any tubeless radial truck tyre and provides the necessary heat and pressure to repair any rubber nicks and damage that would otherwise cause the tyre to be scrapped.**

**Plus all the benefits of a Monaflex tyre repair system - see page 10.**



## tyre range

TRUCK: 8.25 TO 12.00R24



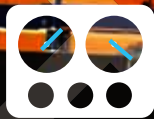
## can repair

BEAD REPAIRS ONLY  
RADIAL TYRES ONLY  
REGULAR, LOW PROFILE AND SUPER SINGLE  
ONLY ONE UNIT FOR ALL TUBELESS TRUCK TYRES



## components

MVN100 ET - CONTROL PANEL  
BRS H - STEEL FRAMEWORK  
BRS126 PP - RUBBER PRESSURE PAD  
BRS167 - FLAT AIRBAG  
BRS126H - HEAT PAD  
MVS5001/112 - PRESSURE CONTROL AIRLINE  
MVS1900/ 250 - REPAIR STAND (OPTIONAL)



**components**



# Control Panels and Replacement Parts

**Monaflex Control Panels have a justified reputation for being extremely durable in harsh field conditions**

They offer a user friendly solution with real time feedback and control of temperature and pressure. Built in safety mechanisms detect temperature changes and accidental thermocouple disconnections.

## Which control panel do I need?

PANEL CODE	TRRS-D	MC	M100
<b>Where is each panel best used?</b>			
OVERVIEW	PERFECT FOR ANY WORKSHOP CONDUCTING TRUCK REPAIRS	BASIC OTR PANEL	ADDED FUNCTIONALITY MEANS INCREASED CONTROL AND FEEDBACK
<b>Tyre size range covered (section widths)</b>			
TRUCK	YES	-	-
OTR 13.00 TO 21.00"	YES (USING UPGRADE TO TRRS-D EX)	YES	YES
OTR 23.5"+	-	TO 29.5"	YES
<b>Features</b>			
#HEAT PADS THAT CAN BE CONTROLLED	2	2	2 (EXTEND TO 3 WITH THE M66 EXTENSION)
#AIRBAGS THAT CAN BE CONTROLLED INDEPENDENTLY	2	3	3
#AIRLINES	2 STRAIGHT	3 STRAIGHT	3 WITH INLINE PRESSURE (DISPLAYS ACTUAL PRESSURE NOT TARGET)
TEMPERATURE FIXED AT (°C):	140	140	ADJUSTABLE
TEMP DISPLAY	DIGITAL	DIGITAL	DIGITAL
HEAT PAD TEMPERATURE CONTROL VIA	PROPRIETARY F-BOARD	PROPRIETARY F-BOARD	CAL TEMPERATURE CONTROLLER AND HEAVY DUTY SSR FOR HEAT PAD SWITCHING
HEAT PAD FUSE	10A CARTRIDGE FUSE FOR EACH HEAT PAD (F-BOARD INTEGRATED)	10A CARTRIDGE FUSE FOR EACH HEAT PAD (F-BOARD INTEGRATED)	DEDICATED 10A MCB TRIP SWITCHES
SAFETY	20A MCB MAINS TRIP; SURGE PROTECTOR; REGULATOR PREVENTS OVER PRESSURE ON AIR SUPPLY	20A MCB MAINS TRIP; SURGE PROTECTOR; REGULATOR PREVENTS OVER PRESSURE ON AIR SUPPLY	20A MCB MAINS TRIP; SURGE PROTECTOR; REGULATOR PREVENTS OVER PRESSURE ON AIR SUPPLY
AMMETERS	NO	NO	DIGITAL
TIMER	DIGITAL	DIGITAL	DIGITAL
ALARMS	VISUAL	AUDIBLE	AUDIBLE

**Turn over for Replacement Parts**



## Control Panel Replacement Parts

PRODUCT CODES	DESCRIPTION	TRRS-D	MC	M100
MVS1700/014	REPLACEMENT HEAT PAD CONTROL LEAD - ORIGINAL SOCKET	✓	✓	✓
MVS1700/016	REPLACEMENT HEAT PAD CONTROL LEAD - X/ R SOCKET	✓	✓	✓
MVS5001/100	BLACK AIRLINE			✓
MVS5001/101	BLUE AIRLINE			✓
MVS5001/102	GREEN AIRLINE			✓
MVS5001/104	STRAIGHT BLACK AIRLINE	✓	✓	
MVS5001/105	STRAIGHT BLUE AIRLINE	✓	✓	
MVS5001/116	STRAIGHT GREEN AIRLINE		✓	
MVS5002/100	COMPLETE AIRLINE SET			✓
MVS5002/106	COMPLETE AIRLINE SET		✓	
MVS5002/102	COMPLETE AIRLINE SET	✓		
MVS9000/049	SURGE ARRESTOR	✓	✓	✓
MVS9000/062	MCB HEAT PAD FUSE [10A]			✓
MVS9000/063	MCB POWER TRIP [20A]	✓	✓	✓
MVS9000/069	CAL TEMPERATURE CONTROLLER			✓
MVS9000/201	HP RELAY [SSR]			✓
MVS9000/203	ALARM RELAY [LATCHING]			✓
MVS9000/207	POWER RELAY	✓	✓	✓
MVS9000/219	LED DISPLAY (INCLUDES WIRING)	✓	✓	
MVS9000/220	AMMETER			✓
MVS9000/222	DIGITAL TIMER	✓	✓	✓
MVS9000/401	AMBER NEON		✓	✓
MVS9000/402	WHITE NEON	✓	✓	✓
MVS9000/407	POWER LIGHT	✓	✓	✓
MVS9000/504	F-BOARD FUSE [10A]	✓	✓	
MVS9000/512	MICRO-SWITCH		✓	✓
MVS9000/700	F-BOARD	✓	✓	
MVS9001/100	AIR GAUGE	✓	✓	✓
MVS9001/103	AIR REGULATOR	✓	✓	✓



### Did you know?

When operating two zone heat pads the M66 Panel is available to provide an extra control feed. Supplied with a bracket for mounting on the side of an M100.

Enquire for extra details.





# Heat Pads

**Monaflex Heat Pads are the industry leading flexible heat source for all tyre repairs**

Our special rubber compound ensures our heat pads balance exceptional flexibility with extreme durability. Flexibility is further enhanced by an intelligent wire layout that flexes with the contour of the tyre. All sizes are available in the classic style or the new R-Type style.



## R-Type Heat Pads

Our latest generation of heat pads takes all of the benefits of the X-Pad and places them in a new lighter, yet stronger, format.

PRODUCT CODES	NOTES	OVERALL SIZE	CABLE LENGTH
TRR2210H		22" X 10" / 559MM X 254MM	1M
TRR2213H		22" X 13" / 559MM X 330MM	1M
TRR2621H		26" X 21" / 660MM X 533MM	2M
MR1616H		22" X 17" / 559MM X 432MM	2M
MR2519H		31" X 20" / 787MM X 508MM	2M
MR2626H		32" X 27" / 813MM X 686MM	2M
MR3015H		36" X 16" / 914MM X 406MM	2M
MR3026H		36" X 28" / 914MM X 711MM	2M
MR3132H		37" X 33" / 940MM X 838MM	2M
MR3620H		36" X 20" / 914MM X 508MM	2M

### Features

- **30% lighter** than the classic Monaflex heat pad
- **Multiple layers of reinforced, heavy duty fabric** for increased strength and maximum durability. This prevents elongation of Heat Pads and protects the element wire.
- **The thickness of the heat pad reduces** from 12mm to 8mm.
- **Heavy duty steel conduit and cable protection** moulded into the handle to prevent wire fatigue.
- **Special couplings** mean the most secure and reliable connection.
- **An extended 1 year warranty.**

Monaflex always recommends selecting a heat pad for use as per the Application Charts. If you are selecting a size not included on the Application Chart we recommend that you contact Monaflex with the tyre size, patch size and repair location for confirmation.

**R-Type Heat Pads continued overleaf with accessories and Classic Heat Pads**



## R-Type Heat Pads (cont.)

PRODUCT CODES	NOTES	OVERALL SIZE	CABLE LENGTH
MR3636H		44" X 38" / 1111MM X 959MM	2M
MR4040H		43" X 41" / 1092MM X 1041MM	2M
MR4215H		43" X 41" / 1092MM X 1041MM	2M
MR4220H		47" X 21" / 1194MM X 533MM	2M
MR4224H		47" X 25" / 1194MM X 635MM	2M
MR4824H		54 X 25" / 1372MM X 635MM	2M
MR4828H		51 X 29" / 1295MM X 737MM	2M
MR5224H		58" X 25" / 1473MM X 635MM	2M
MR6024H 1Z	1 ZONE	66" X 26" / 1676MM X 660MM	2M
MR6024H 2Z	2 ZONE	66" X 26" / 1676MM X 660MM	2M & 3M
MR6624H 1Z	1 ZONE	72" X 25" / 1829MM X 635MM	2M
MR6624H 2Z	2 ZONE	72" X 25" / 1829MM X 635MM	2M & 3M
MR7426H	2 ZONE	77" X 27" / 1956MM X 686MM	2M & 3M
MR8822H	2 ZONE	91" X 23" / 2311MM X 584MM	2M & 3M



## R-Type Heat Pad Accessories

All adaptors are suitable for use with X and R-Type components.

PRODUCT CODES	DESCRIPTION	NOTES
MVS6000/206	HEAT PAD REPLACEMENT PLUG	R-PAD OR X-PAD
MVS9000/615	HEAT PAD ADAPTOR	ENABLE R-PAD USE ON CLASSIC STYLE CONTROL PANEL
MVS9000/616	PANEL ADAPTOR	ENABLE CLASSIC PAD USE ON R-TYPE PANEL
MVS6000/240	HEAT PAD DUSTING CHALK	PROVIDES A NON-STICK SURFACE FOR THE HEAT PAD DURING USE
MVS9000/608	PANEL SOCKET	CONVERT CLASSIC STYLE PANEL SOCKETS TO NEW R-TYPE (TWO REQUIRED PER PANEL)

### Did you know?

Panels with classic style sockets can be easily converted with a new socket (MVS9000/608) to accept R-Type Heat Pads so no need for an adaptor.



## Heat Pad Covers

Provides a non-stick protective surface to the Heat Pad. Compatible with both classic and R-Type Heat Pads.

PRODUCT CODES			
TR2210H C	TR2213H C	TR2621H C	M1616H C
M2519H C	M2626H C	M3015H C	M3026H C
M3132H C	M3620H C	M4215H C	M3636H C
M4040H C	M4220H C	M4224H C	M4824H C
M4828H C	M4932H C	M4545H C	M5224H C
M6024H C	M6624H C	M7426H C	M8822H C





## Classic Heat Pads

The classic Monaflex heat pad is extremely durable whilst remaining flexible and lightweight.

### Features

- **All heat pads reach full temperature in less than 30 minutes.**
- **No cold margins.** Edge to edge heating makes installation easy.
- **Revised wiring ensures even heating** across the entire heat pad.
- **Unique in-house manufactured wire** results in un-paralleled strength in use.
- **The separation of control wires and element wire** is eliminated.
- **There is reduced surface friction** due to our new heat pad finish.

## New AG Series Heat Pads

The new AG series of heat pad are designed to fit neatly in the tread void and make for quick and effective crown repairs.

See page 21.

**‘Always thoroughly dust both sides of all heat pads with tyre talc prior to use.’**

Monaflex always recommends selecting a Heat Pad for use as per the Application Charts. If you are selecting a size not included on the Application Chart we recommend that you contact Monaflex with the tyre size, patch size and repair location for confirmation.

PRODUCT CODES	NOTES	OVERALL SIZE	CABLE LENGTH
M30N	FOR 100AST MACHINE	27" X 9" / 686MM X 229MM	1M
TR30N	FOR MPB MACHINE	17" X 9" / 432MM X 229MM	1M
MVN1213H	FOR 400AST, SM180 & V14 MACHINES	18" X 13" / 457MM X 330MM	1M
MVN2217H		22" X 17" / 559MM X 432MM	1M
BRS126H	BRS SYSTEM	13" X 6" / 330MM X 152MM	1M
BRS157H	BRS AGRICULTURAL SYSTEM	15" X 7" / 381MM X 178MM	1M
SRS1210H	SRS SYSTEM - 2 PAD STYLE	12" X 10" / 305MM X 254MM	1M
SRS288H	SRS SYSTEM - 1 PAD STYLE	28" X 8" / 711MM X 203MM	1M
OS2215H	OTRS SYSTEM - OUTSIDE	22" X 15" / 559MM X 381MM	2M
OS2815H	OTRS SYSTEM - INSIDE	28" X 15" / 711MM X 381MM	2M
XLBRS13X4.75H	XLBRS SYSTEM - BEAD	13" X 4.75" / 330MM X 121MM	2M
XLBRS4112H	XLBRS SYSTEM - WRAP	41" X 12" / 1041MM X 305MM	2M
TR1220H		12" X 20" / 305MM X 508MM	2M
TR158H		15" X 8" / 381MM X 203MM	1M
TR1620H		16" X 20" / 406MM X 508MM	2M
TR2210H		22" X 10" / 559MM X 254MM	1M
TR2213H		22" X 13" / 559MM X 330MM	1M
TR2621H		26" X 21" / 660MM X 533MM	2M
M1616H		22" X 17" / 559MM X 432MM	2M
M2424H		24" X 24" / 609MM X 609MM	2M
M2519H		31" X 20" / 787MM X 508MM	2M
M2626H		32" X 27" / 813MM X 686MM	2M
M3015H		36" X 16" / 914MM X 406MM	2M
M3026H		36" X 28" / 914MM X 711MM	2M
M3132H		37" X 33" / 940MM X 838MM	2M
M3620H		36" X 20" / 914MM X 508MM	2M
M4215H		48" X 16" / 1219MM X 406MM	2M
M3636H		44" X 38" / 1111MM X 959MM	2M
M4040H		43" X 41" / 1092MM X 1041MM	2M
M4220H		47" X 21" / 1194MM X 533MM	2M
M4224H		47" X 25" / 1194MM X 635MM	2M
M4824H		54" X 25" / 1372MM X 635MM	2M
M4828H		51" X 29" / 1295MM X 737MM	2M
M5224H		58" X 25" / 1473MM X 635MM	2M
M6024H 1Z	1 ZONE	66" X 26" / 1676MM X 660MM	2M
M6024H 2Z	2 ZONE	66" X 26" / 1676MM X 660MM	2M & 3M
M6624H 1Z	1 ZONE	72" X 25" / 1829MM X 635MM	2M
M6624H 2Z	2 ZONE	72" X 25" / 1829MM X 635MM	2M & 3M
M7426H	2 ZONE	77" X 27" / 1956MM X 686MM	2M
M8822H	2 ZONE	91" X 23" / 2311MM X 584MM	2M

Turn over for accessories



## Classic Heat Pad Accessories

PRODUCT CODES	DESCRIPTION	NOTES
MVS6000/201	MAINS PLUG (240V)	FOR 240V HEAT PADS, BLACK, 2 PIN
MVS6000/203	MAINS PLUG (110V)	FOR 110V HEAT PADS, WHITE, 3 PIN
MVS6000/205	THERMOCOUPLE PLUG	
MVS6000/240	HEAT PAD DUSTING CHALK	PROVIDES A NON-STICK SURFACE FOR THE HEAT PAD DURING USE

## Heat Pad Repair Kits [HPRK]

In the event of damage the HPRK is used to replace the temperature sensor and allow extended use of the Heat Pad.

Note that this is only compatible with the Classic Heat Pad design – extra cable protection on the R pads eliminates any requirement.

PRODUCT CODES	FOR USE ON THE FOLLOWING PAD SIZES		HPRK SIZE
HPRK XS [EXTRA SHORT]	PTM116H PTM128H)	PTM1010H BRS126H	3.5" BODY 1M CABLE LENGTH
HPRK S [SHORT]	MVN1213H TR219H TR2210H TR2213H	M1616H MVN2217H OS2215H OS2815H	8" BODY 2M CABLE LENGTH
HPRK L [LONG]	M3015H M2519H TR2621H M3026H	M4215H M4220H M2626H	12" BODY 2M CABLE LENGTH
HPRK XL [EXTRA LONG]	M3026H M3132H M4224H	M4828H M4824H M3620H	17" BODY 2M CABLE LENGTH
HPRK XXL [EXTRA EXTRA LONG]	M5224H M6024H 1Z M6624H 2Z	M3636H	22" BODY 2M CABLE LENGTH

### Features

- For the repair of the heat pad temperature sensor.
- Continue using your current heat pad with no loss in performance.
- Simple to fit - can be vulcanised to heat pad during the next tyre repair cycle.
- Cost effective.

Failure to correctly follow installation procedure may result in further damage to Monaflex product. Always ensure the HPRK is installed by a trained technician and that all installation steps are adhered to. Please request full written instructions from [info@monaflex.com](mailto:info@monaflex.com)





# Airbags



## R-Type Airbags

This brand new generation of flat airbag features all the benefits of the traditional Monaflex airbag with added strength. They are built to withstand the harshest environments.



PRODUCT CODES	SIZE
<b>Passenger/ Light Truck</b>	
TRR2210A	22" X 10" / 559 X 254 MM
TRR2213A	22" X 13" / 559 X 330 MM
<b>OTR/ Tractor/ Wide Base</b>	
MR2820	28" X 20" / 711 X 508 MM
MR3624	36" X 24" / 914 X 610 MM
MR4824	48" X 24" / 1219 X 610 MM
MR5432	54" X 32" / 1372 X 813 MM
MR6032	60" X 32" / 1524 X 813 MM
MR6732	67" X 32" / 1702 X 813 MM
MR7532	75" X 32" / 1905 X 813 MM
MR9032	90" X 32" / 2286 X 813 MM

### Features

- **Lightweight and flexible.**  
Up to 70% lighter than the original airbags, R-Type are easier to position placing less strain on technicians.
- **Fully reinforced rubber** for increased strength and maximum durability.
- **The weight of an M4824 drops from 11.3kg to 6.4kg.**
- **Available in all popular sizes.**
- **Super strength new style valve.**

Turn over for Classic Airbags and accessories





## Classic Airbags

Extreme flexibility allows Monaflex airbags full conformity to even the most complex tyre profiles ensuring full pressure is applied exactly where it is needed.

Exceptional durability means our airbags are suitable for use in the most harshest conditions but they remain lightweight for ease of transport and installation.

PRODUCT CODES	SIZE
<b>System Specific Airbags</b>	
PTM288	28" X 8" / 711MM X 203MM
BRS167	12" X 6" / 305MM X 152MM
TRM4815	48" X 15" / 1219MM X 381MM
SRS1210	12" X 10" / 305MM X 254MM
SRS1210W	12" X 10" / 305MM X 254MM
OS2117	21" X 17" / 533MM X 432MM
OS2517	25" X 17" / 635MM X 432MM
XLBRS43.5X13	43.5" X 13" / 1105MM X 330MM
<b>Flat Airbags</b>	
Flat airbags are available in any size. They can be made with edge valves if required and custom sizes are available upon request.	
TR2210W	22" X 10" / 559MM X 254MM
TR2213W	22" X 13" / 559MM X 330MM
TR3620W	36" X 20" / 914MM X 508MM
TR2621W	26" X 21" / 660MM X 533MM
M2316W	23" X 16" / 584MM X 406MM
M2820W	28" X 20" / 711MM X 508MM
M3624W	36" X 24" / 914MM X 610MM
M4824W	48" X 24" / 1219MM X 610MM
M5432W	54" X 32" / 1372MM X 813MM
M6032W	60" X 32" / 1524MM X 813MM
M6732W	67" X 32" / 1702MM X 813MM
M7532W	75" X 32" / 1905MM X 813MM
M8032W	80" X 32" / 2032MM X 813MM
M9032W	90" X 32" / 2286MM X 813MM
M10032W	100" X 32" / 2540MM X 813MM

Section width coverage of a Cylinder Airbag can be increased by also using a Flat Airbag inside the tyre setup.

### Features

- **Selected airbags feature an elasticated panel in the cover to ensure complete conformity to the repair area.**
- **Bladder and cover sizes have been optimised to ensure the perfect fit - this reduces the strain on the bladder.**
- **Additional reinforcements around the valve region protect against wear and tear from rough handling.**
- **High wear points on covers are reinforced to reduce possibility of seam damage.**
- **A super-strength valve completely eliminating the possibility of the valve or valve core tearing away from airbag. Note this valve is only on the cylinder airbags.**

PRODUCT CODES	TYRE SECTIONS
<b>Cylinder Airbags</b>	
TR1212W	10.00" TO 12.00"
TR1214/20W	12.00" TO 14.00"
TR1315/20W	13.00" TO 17.5"
TR1921/20W	19.00" TO 21.00"
M1214/20W	12.00" TO 14.00"
M1518/24W	15.00" TO 18.00"
M1721/24W	18.00" TO 21.00"
M2124/24W	21.00" TO 24.00"
M2427/32W	24.00" TO 27.00"
M2732/32W	27.00" TO 32.00"
M3336/32W	33.00" TO 36.00"
M3842/32W	38.00" TO 42.00"
M4447/32W	44.00" TO 47.00"
M5054/32W	50.00" TO 54.00"
MVN911/18W	FOR SM180, V14, SM250, 400AST, 440AST
<b>Flat Round Airbag</b>	
TR911/13W FRB	8.25" TO 12.00"
TR1618/18W	445/50
TR1315/15W	365/80 TO 445/65

\*Now covered by the TR911/13W FRB

**Key:** To order individual airbag components please order using the following suffix:

B	BLADDER [ I.E 'M4824W B']
CS	COVER SET
IC	INNER COVER
MC	MIDDLE COVER
OC	OUTER COVER
W	INDICATES THE AIRBAG CAN BE ORDERED WITH AN ELASTICATED WINDOW ADD A W IF YOU REQUIRE THIS OPTION



## Airbag Accessories

PRODUCT CODES	DESCRIPTION	SIZE
<b>Replacement Hoses</b>		
MVS5001/220	SMALL AIRBAG HOSE (BLUE)	0.3M
MVS5001/221	SMALL AIRBAG HOSE (GREEN)	0.3M
MVS5001/222	SMALL AIRBAG HOSE (BLACK)	0.3M
MVS5001/207	AIRBAG HOSE (BLUE)	0.5M
MVS5001/208	AIRBAG HOSE (GREEN)	0.5M
MVS5001/209	AIRBAG HOSE (BLACK)	0.5M
MVS5001/214	XL AIRBAG HOSE (BLUE)	1.0M
MVS5001/215	XL AIRBAG HOSE (GREEN)	1.0M
MVS5001/216	XL AIRBAG HOSE (BLACK)	1.0M
MVS5001/223	XXL AIRBAG HOSE (BLUE)	2.0M
MVS5001/224	XXL AIRBAG HOSE (GREEN)	2.0M
MVS5001/225	XXL AIRBAG HOSE (BLACK)	2.0M
MVS5001/201	EDGE VALVE HOSE	

PRODUCT CODES	DESCRIPTION
<b>Assorted</b>	
MVS5001/213	AIRBAG HOSE STOPPER (STOPPER FOR STORING AIRBAGS PARTIALLY INFLATED)
MVS4000/101	AIRBAG WASHER
MVS4000/102	AIRBAG RUBBER WASHER
MVS4000/103	AIRBAG NUT
MVS4000/111	AIRBAG CUP WASHER
MVS5000/127	90° VALVE FITTING FOR EXTERNAL CURING PACKS
MVS5000/128	BLANKING VALVE CAP



### Did you know?

Replacing the Outer Covers when they are showing signs of wear is a cost effective way to maximise the life an Airbag.





# External Curing Packs, Harness Guides & Straps

**We offer a selection of Harness Guides and Straps to secure the Monaflex System in place**

Monaflex straps are custom designed to offer enormous breaking strains whilst remaining light weight. Please refer to the Application Charts for tyre specific requirements.



PRODUCT CODES	DESCRIPTION
<b>External Curing Packs</b>	
Flat airbags with integral strap guides for easy pressure application on the outside of the tyre.	
TR2213E	USE WITH TROC 4 STRAP SET
TR2621E	USE WITH TROC 5XL STRAP SET
TR3021E	USE WITH TROC 5XL STRAP SET
M4832E	USE WITH M45/6/7 (1HG) GUIDE AND STRAPS
<b>NEW R-Type Curing Packs</b>	
TRR2213E	USE WITH TROC 4 STRAP SET
TRR2621E	USE WITH TROC 5XL STRAP SET
MR4832E	USE WITH M45/6/7 (1HG) GUIDE AND STRAPS
<b>OTR Harness Packs</b>	
M45/6	OTR HARNESS ASSEMBLY (TWO HG4 GUIDES & SIX OTR STRAPS)
M45/6/7	XL OTR HARNESS ASSEMBLY (TWO HG4 GUIDES & SIX XL OTR STRAPS)
M45/6 (1HG)	ECP OTR HARNESS ASSEMBLY (HG4 AND SIX OTR STRAPS)
M45/6/7 (1HG)	ECP XL OTR HARNESS ASSEMBLY (HG4 AND SIX XL OTR STRAPS)
<b>Individual Straps</b>	
TROC	TRUCK STRAP (2.5M, OVER CENTRE FASTENING, BLUE)
TROC XL	XL TRUCK STRAP (3.5M, OVER CENTRE FASTENING, RED)
M45/6 (1)	OTR STRAP (5M, RATCHET FASTENING, BLUE)
M45/6/7 (1)	XL OTR STRAP (7M, RATCHET FASTENING, RED)
<b>Sets of Straps</b>	
TROC 3	SET OF THREE TROC STRAPS (Use WITH TR219E)
TROC 4	SET OF FOUR TROC STRAPS (USE WITH TR2213E)
TROC 5	SET OF FIVE TROC STRAPS
TROC 5XL	SET OF FIVE TROC XL STRAPS (USE WITH TR2621E)



# Lug Fillers

**A variety of useful sized Lug Filler Bags to fill out tread gaps when using the Monaflex System**

When repairing tyres with large tread gaps it is essential to fill out these spaces with a suitable filler to prevent damage to the heat pads and ensure even pressure on the repair.

Monaflex lug filler bags have canvas tabs which enable the user to staple the bags into place for ease of use. They also contain aluminium which facilitates rapid heat transfer.

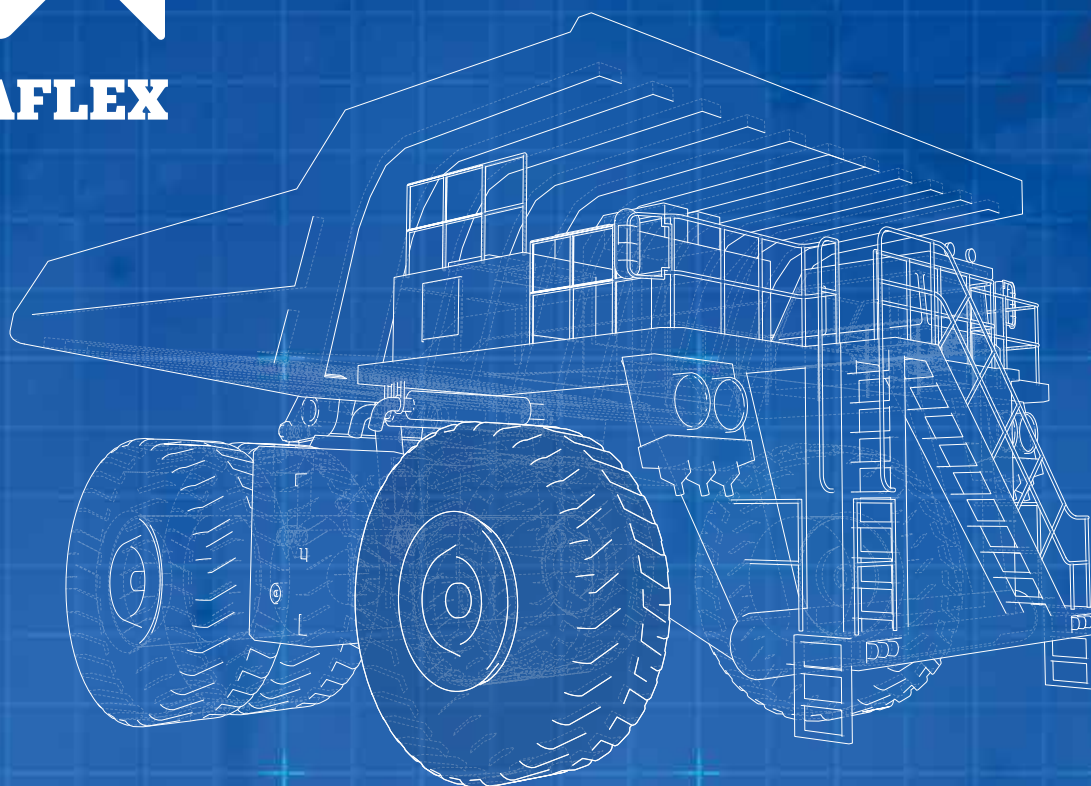
Six sized filler bags are included per complete set (22 total):

PRODUCT CODES	DESCRIPTION
MVS1900/273	MONAFLEX SET OF 22 LUG FILLERS
MVS1900/280	OTR-XL [2 PER SET] WITH TABS 14" X 3"
MVS1900/281	OTR-L [4 PER SET] WITH TABS 10" X 3"
MVS1900/282	OTR-M [4 PER SET] WITH TABS 8" X 4"
MVS1900/283	OTR-S [4 PER SET] WITH TABS 5" X 3"
MVS1900/284	OTR-XS [4 PER SET] NO TABS 6" X 2"
MVS1900/285	OTR-XXS [4 PER SET] NO TABS 8" X 1.5"





**MONAFLEX**



**Technical**  
**support when**  
**you need it**

Our great service doesn't end once you've purchased your Monaflex tyre repair system. Our experts are available for technical assistance at any time and indefinitely. Customer service is at the heart of everything we do.



[repair@monaflex.com](mailto:repair@monaflex.com)



[www.monaflex.com](http://www.monaflex.com)