

# Armouring a vehicle? Fit the right RUNFLAT...

When you need to get out of a kill zone and find a safe place to change the wheel... the **TYRON MULTIBAND HD** is perfect

VIP Customers will need the guaranteed security and mobility that **ONLY** the **TYRON R4** can give.

TYRON ...protecting the MOD for 30 years!

# TYRON

Flat Tyre Protection

Tyron Runflat Ltd

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

Tyron is a registered trademark and its flat tyre protection systems are patented in most countries throughout the world. We reserve the right to change specifications without notice. Jan. 2012.

# TYRON

Flat Tyre Protection



# Now you have two runflat choices

## TYRON MULTIBAND HD - the most practical runflat system

- It will give up to 20km runflat with one or more tyres deflated.
- Get out of the kill zone and find a safe place to change the wheel... why do you need more?
- High performance... Low cost... The Tyron MultiBand HD.



## TYRON R4 - where performance is critical

- The TYRON R4 is the ultimate in mobility and performance which gives up to 150kms Finabel.
- GUARANTEED ability to drive evasively with two or more tyres shot out and to drive a MINIMUM of 50Km at 50km/h
- Double Beadlock with All Terrain Rubber Runflat.



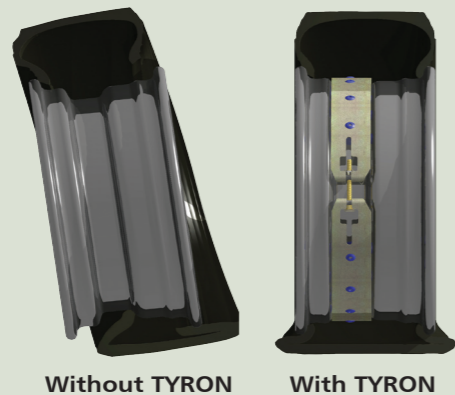
## Tyron MultiBand HD

For over 30 years the MultiBand has been protecting the MoD and still is today. It is used throughout the world, is the choice for flat tyre protection by Police and is NATO approved.

Introducing the NEW MultiBand HD system for armoured vehicles. For the first time ever all the negative issues of composite runflats has been recognised and finally resolved.

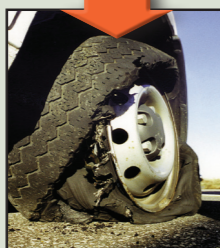
- Each vehicle set comes with a specially designed portable fitting and removal machine. This makes it the only runflat system where any tyre fitter in the world can fit or remove the tyre in a matter of minutes.
- Incorporating as standard RFID into each MultiBand allows you to easily check remotely if the runflats are fitted. This is especially useful after a tyre change to make sure the MultiBand HD has been reinstalled inside the new tyre.
- Weighing less than 2kg its patented plug in feet guarantees it can not move on the wheel and completely removes any balancing issues. In addition we guarantee no impingement problems.
- If you have Tyre Pressure Monitoring System or you want the facility to add it in the future no problem. Each MultiBand HD comes with a TPMS bracket as standard.

**So why fit expensive, difficult to fit, composite runflats when in certain conditions, the MultiBand HD can do the same distance!**



Without TYRON

With TYRON



As a deflated tyre collapses, the wheel rim can come into contact with the road causing loss of control



Tyron locks your tyre to the rim, forming a cushion of rubber so you can stay in control and drive to safety

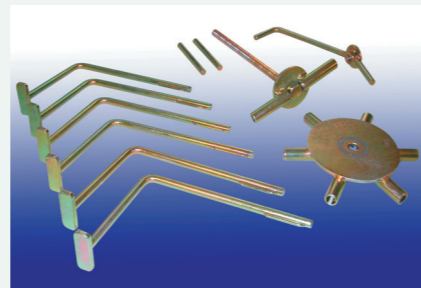


**RFID**  
RADIO  
FREQUENCY  
IDENTIFICATION

Identify instantly if Tyron is fitted!

## Portable Fitting Machine

Have your Tyron MultiBands refitted easily anywhere in the world. This small, collapsible machine weighing less than 3Kg is designed to be kept with your vehicle so that tyre fitters around the world can easily change your Tyres.



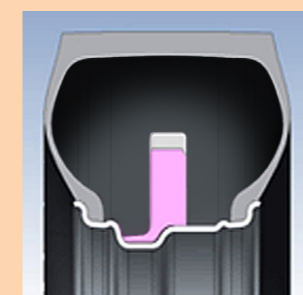
Special TPMS brackets are fitted as standard. They are designed to allow wheel sensors to be mounted if you have a Tyre Pressure Monitoring system fitted.

## Tyron R4 and R6

The ATR - All Terrain Rubber Runflat is the only bullet-proof, multi-piece rubber runflat which has also been independently tested to Finabel

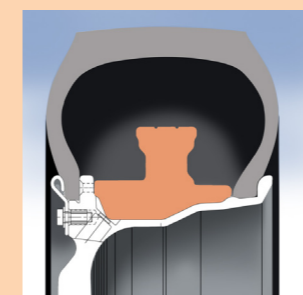
The ATR is now available with an ingenious double beadlock designed alloy wheel for 4x4 and armoured vehicles. Called the R4, it has a load rating of 1600kg and guarantees a high level of off-road, flat tyre performance not possible with standard wheels.

In addition we also have the new R6 Steel 16" split rim wheel for Toyota Coaster buses and cash carrying vehicles etc., which offers them the same guarantees to continue with 2 or more tyres deflated.



Standard Wheel with Composite Runflat

In a 'standard' runflat, the design has to allow for the tyres to be re-fitted and therefore no beadlock is possible and so the tyre will effectively "float" on the wheel causing lack of control when running flat. (see above)



TYRON R4 Wheel and ATR Runflat, with Double Beadlock

## R4 & R6 Advantages.

- The design of the Tyron wheels will allow the vehicles to be driven with superior steering control with BOTH front tyres deflated. With a standard wheel with composite runflat, the tyre continues travelling in a straight line even when the wheels are turned. This will create massive understeer making it impossible to negotiate a slalom course.
- The R4 clamping ring and R6 split rim allows for a quicker and easier installation of the system and for safer tyre changing.
- Both wheel designs, fitted with ATR prevent sand and debris getting into the tyre when running at low pressure or flat which is not possible with a normal wheel system.
- Leading tyre manufacturers have issued warnings against the use of composite runflats being used inside their tyres.
- Finabel demands that a tyre cannot slip more than 1 revolution during a 2 hour off road test, allowing the vehicle to negotiate hills and obstacles with maximum control. Only a runflat with beadlock can give this guarantee.



**...so we offer 5 guarantees not achievable on standard wheels**

**We guarantee that the runflat cannot move on the wheel during normal use, and so the balance of the wheel is not affected.**

**We guarantee the tyre cannot slip on the wheel, enabling the vehicle to negotiate steep hills with 1 or all 4 tyres deflated.**

**We guarantee that sand, dirt and mud cannot get into the tyre when flat which would seriously reduce the performance of a runflat.**

**We guarantee that the tyre beads are locked to the wheels flanges giving superior cornering and steering control.**

**We guarantee that the tyre bead cannot be damaged during installation of the runflat, or when changing tyres.**



Independently tested by TUV to exceed Finabel standards