

## STRENGTHS

RunFlat International has been growing year on year by offering products which technically differentiate from the competition on criteria established with our customers.

### EASY FIT

Easy to fit in less than 10 minutes with no special tools or fitting presses. This allows in-theatre tyre and RunFlat system changes.



### LIGHTER

Our products are lighter due to their design and our proprietary material. Our Static Systems typically offer more than 20% weight saving over rubber products.



### REUSABLE

Can be fitted on the same or another wheel rim whether it has been operated in run flat mode or not. The material is imperishable, giving a long life expectancy (unlike rubber alternatives).



### ANTIBALLISTIC

Proprietary composite material has been specifically designed to offer exceptional antiballistic resistance.



### PERFORMANCE

Comparative tests consistently highlight a clear advantage of our products over the competition in terms of the quality of the vehicle handling and the distance covered in run flat mode on and off road.



## CREDENTIALS



Following our success with the Ministries of Defence and the Ministries of Interior of many countries (including UK, Spain, Germany, Saudi Arabia, India, Pakistan and Malaysia to name a few), we have subsequently applied our expertise to broader markets to include emergency vehicles, VIP cars, aid agency vehicles and high value cargo carriers.

Our products are regularly and arduously tested according to military standards such as FINABEL, NATO and American standards. Products are usually tested in terms of ballistic performance, control of the vehicle and distance covered with 1, 2 or all flat tyres.



## MOBILITY & SECURITY EXPERTS



**RunFlat International Limited**

Gawne Lane, Cradley Heath, West Midlands B64 5QY, United Kingdom.

Tel: +44 (0)1384 414845 Fax: +44 (0)1384 414849

Email: [info@runflatinternational.com](mailto:info@runflatinternational.com)

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





RunFlat International is the leading independent RunFlat supplier in the defence and security sector, having built a reputation on quality, performance and customer care.

Our products are regularly and arduously tested according to military standards such as FINABEL 20.A.5 (50km), FINABEL A.20.A (100km), as well as specific standards established by certain countries or manufacturers.

RunFlat International is able to produce RunFlat systems to suit all wheel types and sizes. Popular vehicle applications include:

- Military Vehicles
- Emergency Vehicles
- High Value Cargo Carriers
- VIP Cars
- Aid Agency Vehicles
- Buses
- Trucks
- Trailers

## PRODUCTS

Bolted inside the tyre, RunFlat systems are designed to enable a driver to maintain control and continue driving safely following ballistic (or terrain-related) tyre damage to one or more tyres.

When the tyre is fully inflated, the RunFlat system has no effect on the performance or handling of the vehicle, however if the tyre becomes deflated, the RunFlat system enables the vehicle to continue for up to 100km.

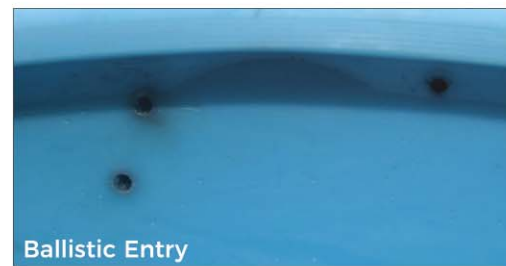


## MATERIAL

As a safety product, the quality of the material used is paramount to ensure the RunFlat can be relied on when it is needed most.

RunFlat International has developed a unique polymerised material specifically designed for RunFlat applications. Instead of trying to stop a bullet penetrating its structure, the material allows a bullet to pass through without damaging the integrity of the RunFlat system.

The material is imperishable giving a long life expectancy (unlike rubber alternatives) and lightweight for increased vehicle payload. In deflated mode the low friction material reduces the heat inside the tyre allowing greater distance to be covered.



## DYNAMIC RUNFLAT

The Dynamic RunFlat is for single piece wheels and is therefore suitable to be fitted on the vast majority of cars, SUV's, trucks and trailers.

The RunFlat is typically made of 2 or 3 antiballistic segments, which enable up to 100km to be covered with one or more deflated tyres.

The system is lightweight and easy to fit thanks to its patented design, requiring no specialist tools.



## SINGLE PIECE WHEELS



High load steel and aluminium wheels for military and security vehicles are designed to cope with the increased loads and stresses that occur when a vehicle is armoured.

With full European engineering and manufacturing facilities, RunFlat International can offer high load wheels for some of the most popular armoured vehicles including Toyota Landcruiser, Toyota Hilux, Nissan Patrol, Mercedes G Wagon, Mercedes S Class, Audi A8, Ford F550 etc.



## COMPLETE WHEEL SOLUTIONS

Wheels can be supplied separately or as part of a complete wheel package including wheel, tyre, TPMS (tyre pressure monitoring system) and RunFlat system.

By offering a finished solution, the customer can be confident that the RunFlat system has been fitted correctly and the whole assembly can be supplied balanced and inflated ready to bolt on to the vehicle.

## RANGE

## STATIC RUNFLAT

The Static RunFlat is for multi piece demountable wheels and is therefore suitable for military applications on and off road.

The RunFlat is made from 3 antiballistic segments, which enable up to 100km to be covered with one or more deflated tyres. Its beadlock function is particularly strong in run flat mode due its patented shape, so even deflated tyres do not rotate on the rim, keeping the vehicle in motion at all times.

The system can be installed with no specialist equipment and typically offers a 20% weight saving over rubber alternatives.



## BEADLOCK



The Beadlock system increases the mobility of vehicles operating in soft terrain such as sand, mud or snow.

The system is a one piece polymerised ring, which fits around the wheel rim and locks the bead of the tyre against the wheel.

By preventing the tyre from moving inwards the system ensures the tyre and wheel rotate together in low pressure situations, increasing mobility and traction.

## MULTI PIECE WHEELS



Multi piece wheels are designed for loads up to 5500kg in steel and aluminium. Designs are available as bolt together or three piece wheels with CTIS (central tyre inflation system) and RunFlat compatibility.

Wheels can be supplied separately or as part of a complete wheel package including wheel, tyre and RunFlat system.

Complete wheels can be supplied inflated and ready to bolt on to the vehicle.

