



\ Inside of the tyre cut by a non compliant system



\ The non compliant system cuts into the tyre

► **Impacts absorption**

Military and security vehicles are typically exposed to **sizeable impacts** while operating off road or trying to get to safety.

► **Solution** : The CMRF OFFROAD due to its **compliance properties**, is able to absorb impacts without damages to the tyre.

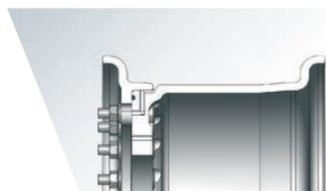


\ The compliant system does not damage the tyre

► **Compatibility**

Military vehicles use a wide range of tyres and wheels.

► **Solution** : The Hutchinson CMRF OFFROAD **complies with all main tire and flat rim standards, valve and CTIS configurations and has been utilized in conjunction with all major tire brands.** The Hutchinson CMRF OFFROAD **is able to operate in conjunction** with a wide range of rims and tyres.



\ 2 piece bolted together wheel



Conception & réalisation : ESCAPE www.escape-com.fr - Crédits photos : Hutchinson - HUTCHMRFOFF2014

CMRF OFFROAD



We make it **possible**

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Hutchinson, the world leader in mobility systems, has provided runflat system solutions to the military and security markets for over 80 years.

The HUTCHINSON CMRF OFFROAD runflat is relied upon worldwide by soldiers to ensure mobility and safety in all terrain and combat situations.

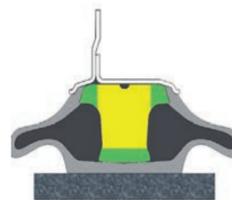
CMRF offroad Runflat system

The tires are the primary target to immobilize a wheeled vehicle. It is vital to the crew that a vehicle can escape at high speed or complete its mission with one or all of the tyres flat. The CMRF OFFROAD has withstood some of the harshest wartime conditions, and has proven to be priceless to the protection of the crew and its vehicle.

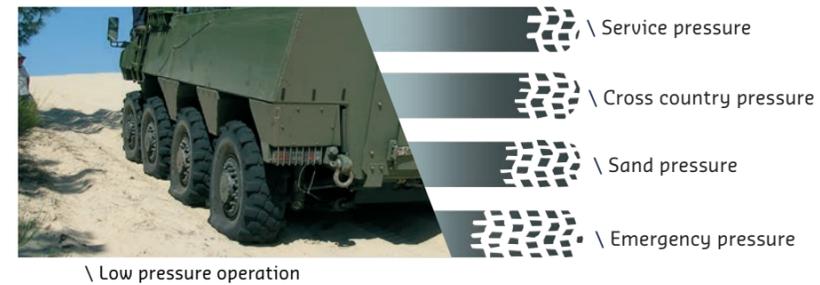
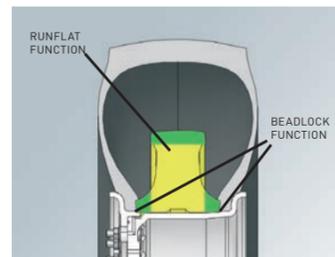
▶ Runflat

Regardless of the conditions, a military or security vehicle must be able to maintain mobility with one or all tyres flat in order to complete the mission and return the crew safely to base.

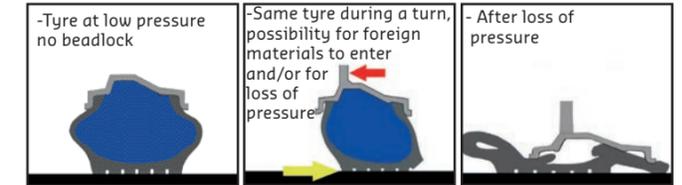
▶ **Solution :** The CMRF OFFROAD is designed to achieve the runflat specifications of the customer. It can be manufactured to meet known standards such as FINABEL or the US Army specifications. Hutchinson can modify the CMRF OFFROAD to conform to specific customized requirements.



\ CMRF offroad Runflat operation



\ Low pressure operation



Innovation

▶ Mountability

Regardless of the conditions, Armies need a Reliable Field Hand Mountable Runflat System.

▶ **Solution :** The CMRF OFFROAD is a multipiece system, easy, safe and fast to insert without specific tools.



▶ Ballistic resistance

The runflat system must be able to withstand gunfire, in order to ensure the mobility of the vehicle and the safety of its crew. This life saving feature is achieved by means of a ballistic proof material.

▶ **Solution :** The thermoset material used in the construction of Hutchinson's CMRF OFFROAD is reinforced with glass fiber which provides excellent ballistic characteristics.



\ No negative structural effect even at -40°C

▶ Weight saving

Any reduction of runflat weight allows for additional armoring, increased payload, improved fuel mileage, optimized suspension/dynamic behaviour.

▶ **Solution :** The Hutchinson CMRF OFFROAD can save up to 20% of the weight of a comparable VFI or MVFI.

