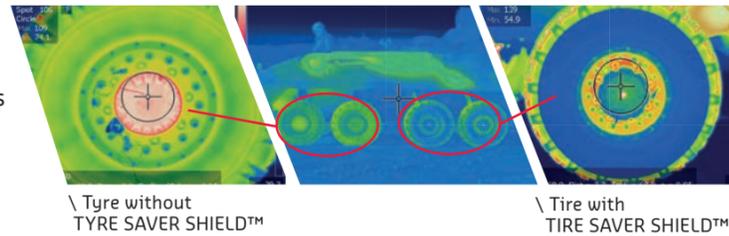


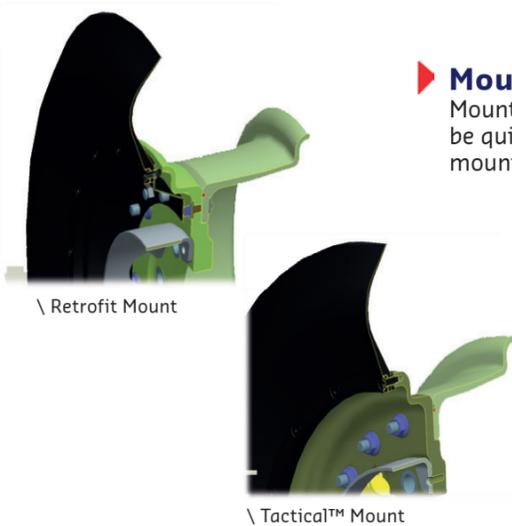
► **Infrared signature improved**  
The vehicles tires are a significant source of heat.

► **Solution :** The TYRE SAVER SHIELD™ masks the thermal signature of wheeled vehicles.



\ Tyre without TYRE SAVER SHIELD™

\ Tire with TYRE SAVER SHIELD™



\ Retrofit Mount

\ Tactical™ Mount

► **Mounting/Dismounting**

Mounting and dismounting of the TYRE SAVER SHIELD™ from a vehicle must be quick and easy. The system can be equipped by the factory or can be mounted as a retrofit making the TYRE SAVER SHIELD™ mission specific.

► **Solution :** The Hutchinson TYRE SAVER SHIELD™ has two mounting options. The Retrofit mounting options allows for the TYRE SAVER SHIELD™ to be mounted to an adapter plate that inturn mounts to the assembly studs in the wheel. The Tactical™ mounting option allows for the TYRE SAVER SHIELD™ to mount directly to the tactical™ outer section of the wheel. Both options allow the product to be compatible with almost any wheel design.

► **Compatibility**

Military vehicles use a large array of tyres and wheels. They depends upon the terrain the vehicles are outfitted for.

► **Solution :** The Hutchinson TIRE SAVER SHIELD™ can be **adapted to fit all tires and rims**. The shield can operate in conjunction with a wide range of rims and tires from 12" to 36" or greater.



Conception & réalisation : ESCAPE www.escape-com.fr - Crédits photos : Hutchinson - HUTCHTSS2014

# TYRE SAVER SHIELD™



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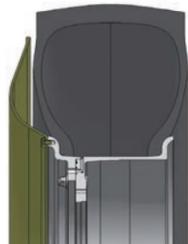
<http://www.hutchinsoninc.com>



Hutchinson, the world leader in commercial and military mobility systems, has developed tire sidewall protection systems.

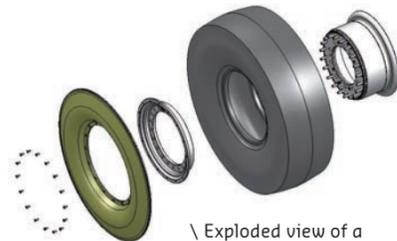
The patented TIRE SHIELD system increases the safety of the warfighter while significantly reducing the operating cost of vehicles faced with cross country/off road terrain.

## Tyre protection system TYRE SAVER SHIELD™



\ Cross section of a TYRE SHIELD mounted on a wheel assembly

The tire's sidewall represents one of the most vulnerable part of military wheeled vehicles. **It is essential to protect the tyres in order to prevent the risk of immobilization caused by sidewall damage**, destruction, fire or enemy detection.



\ Exploded view of a wheel assembly equipped with a TYRE SHIELD

### ▶ Battle field tested / proven performance

- Tyre Saver Shield™ has proven high efficiency in recent conflict
- Tyre Saver Shield™ testing results example on rocky terrain course :

- 747.5 miles without Tyre Saver Shield™  
RESULT : 11 tyres with sidewall punctures.

- 682.0 miles with Tyre Saver Shield™  
RESULT : 1 tyres lost to sidewall punctures; 3 Tyre Saver Shield™ damaged & replaced.



### ▶ Protection against sidewall cuts

Tyre sidewall damage can lead to a loss of tire pressure, which can result in a significant reduction in speed or the immobilization of a wheeled vehicle during a mission. Vehicles operating in aggressive off-road terrains must be adequately equipped to prevent such occurrences.

- ▶ **Solution :** The Hutchinson TIRE SAVER SHIELD™ is made of reinforced rubber and is mounted directly onto the wheel. The materials were carefully selected to be **extremely resistant to tearing and perforation**. The TIRE SAVER SHIELD™ creates a barrier in between the tire side wall and damaging terrains such as rocks or debris, **preventing sharp elements from destroying the tire**.



\ Tyre sidewall damaged by rocky terrain



\ Tyre side walls are continuously vulnerable to cuts by rocky terrain. The Tyre SAVER Shield™ comes in between the sharp terrain elements and the tire side wall



### ▶ Fire Protection

Tires are extremely flammable. Not only are they in contact with the ground and the first area exposed to outside fire but they are also a distinctive target for Molotov cocktails. Thus, protection against fire is essential.

- ▶ **Solution :** The Hutchinson TYRE SAVER SHIELD™ has been **designed and tested to be fire retardant**. The TYRE SAVER SHIELD™ is made of fire resistant materials that offer a high degree of **protection against fire**, and help to preserve the tyre.



\ The Molotov cocktail burns, the tyre SAVER shield™ is fire resistant preventing the fire from propagating

### ▶ Savings

Tyre replacement in one of the largest expenses to any fleet/wheeled vehicles. In addition many other costs are reduced, such as :

- Mounting and dismounting of the tyre
- Replacement of the runflat system
- Towing of the vehicle
- Logistics, storage, waste disposal
- Manpower
- Availability of vehicles



- ▶ **Solution :** The TYRE SAVER SHIELD™ preserves the tire, thus adding to the overall life of the tyre when operating in cross country terrain. Additionally, the **cost of the Hutchinson TYRE SAVER SHIELD™ is minimal** compared to the overall cost of acquisition of a tyre.

