

## VARIABLE FUNCTION INSERT (VFI)



Our VFI solution is fitted inside the tires of military and security vehicles. If the tire is punctured, it supports the wheel so that the vehicle can continue to be used for the rest of the mission. It absorbs shocks without damaging the tire, improves steering control and braking and increases traction and clearance capacity. Thanks to our Runflat Wheel Assembly solutions, military vehicles with a flat tire can continue to be used on any terrain. They're easily assembled anywhere in the field without specific tools or machines.

- Products Family: **Tire Saver Shields**

## TECHNICAL FEATURES

- Includes a rubber mobility system.
- Works with all tires and flat rims.
- Excellent protection against ballistic impacts.
- Includes an internal Beadlock™, which clamps the tire beads on the rim at reduced or zero pressure.

## **BENEFITS**

- Safety
- Reliability

## **MARKET AND EXPERTISE**



DEFENSE



Vibration Control Systems

## **ALL PRODUCTS FAMILIES**

# **All Products Families for Defense Vibration Control Systems**



**Navy Mounts for Nuclear Submarines**

Our Navy Mounts enhance submarines' acoustic insulation and vibration isolation. They also absorb shocks, allowing the mount to return to its initial position. These solutions also protect electronic equipment.



### **Flexible devices with kneejoint**

Our Flexible Devices with kneejoints ensure watertight seals and allow for displacements between pipes while damping vibrations and guaranteeing a minimal acoustic signature for the submarine.



### **Antivibration solutions for ground vehicles**

These Safety Mounts have been designed for shock protection and vibration isolation. The load per mount varies from 600 to 2,300 daN. They comply with vibration requirements and stringent environmental standards.



### **Runflat Wheel Assemblies**

Thanks to our Runflat Wheel Assemblies solutions, military vehicles with a flat tire can continue to be used on any terrain. The aluminum wheel reduces the vehicle's unsprung weight and improves its dynamic performance.



### **Tire Saver Shields (TS2)**

Our TS2 significantly reduce the number of tires lost due to sidewall damage. Our solutions are made from reinforced rubber or plastic and can sustain terrain and debris impacts. They also reduce vehicles' infrared signatures.



## Fuel Tank Protection (Vehicles)

Our solutions are designed to strengthen fuel tank protection for military, security and commercial vehicles against ballistic impacts, explosions and fires. Drag on the engine is significantly reduced.



## Control & Display

In the cockpit, the need for information through control panels is essential, namely for communication, warning, advisory, flight and engine systems. CLAROPAN multidisciplinary team means a fully developed, cost effective, plug-and-play solution.



## Vibcable

Best solution to protect your system against shock and vibration. Full metal build (aluminum or stainless steel). They are specially prepared for isolate units like racks or consoles during ground, navy and air transport.



## **Metal Mesh Technology**

The metal mesh cushions consist of knitted and pressed wire which offers absolutely constant behavior over a wide temperature range and provide the perfect solution for vibration isolation and damping.



## **Spring isolator**

Spring Isolator provides maximum elastic storage of various objects in the low-frequency tuning range. Through the use of additional damping components, we ensure a safe and smooth resonance for your application.



## **Metal Isolator**

Metal Isolators consist of one or more Metal Mesh Cushions combined with load-bearing and surrounding metal parts. It combines the technical benefits of the metal mesh with a multi-directional load capacity and functionality.

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