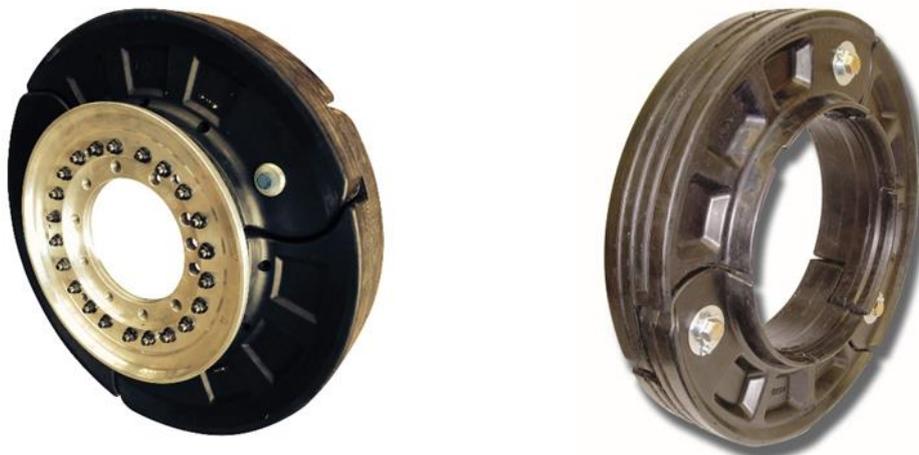


## TYRON CARBON RUNFLATS



CAD image of Tyron Carbon ATR Runflat

- Reduced weight (Circa 40%)
- Multi-section – does not require any special tools or hydraulic jacks to change the tyre
- Rubber – ensures Run Flat AND Beadlock capability
- Tested and in-service
- UK Design and Manufacture



Tyron All Terrain Rubber Runflats



## **Why Tyron Runflats**

Tyron All Terrain Rubber (ATR) Runflats are a patented, multi piece modular runflat solution which does not require a hydraulic press to squeeze the runflat into the tyre, making this the only field mountable and demountable rubber runflat system and solves the logistical problems of current systems when changing tyres.

At the heart of a Tyron ATR is a core which gives the system its strength, historically this has been steel, Tyron however has developed a carbon core which reduces unsprung weight on an 8x8 using 1400R20 tyres by over 280kg.

## **Why Carbon**

Carbon's properties give it the strength of steel but at considerably reduced weight. For AFVs any opportunity to reduce weight is a real benefit, especially if it is unsprung, and gives the user or vehicle designer the opportunity to add to the protection or firepower. Designed and produced in the UK, Tyron's runflats have been proven to easily exceed the Finabel standards and can keep going at over 50kmph for distances in excess of 100km.

## **Why Multi Piece**

Multi piece runflats make handling much easier and even for large tyres such as 1400R20 or 1600R20 assemblies can be done easily by two people.

Multi piece sections enable the vehicle engineers to replace or repair the tyre without special tools in the field and negates the need for return to a rear workshop or even by air back to a home base, saving in the latter case many thousands of ££s.

## **Why Rubber**

Rubber absorbs shock from impingement caused by curb strike, pot holes and operating in generally hostile environments.

Rubber reduces the vibration and stresses that are transmitted through the runflat to the wheels, axles and drive shafts allowing the vehicle to continue with its mission with little change to the handling whilst retaining some comfort for the crew.

## **In-Service**

Tyron's ATRs are in service with armed forces stretching from Europe through Africa, Arabia to Asia. A number of armies are currently testing Tyron Rubber Runflats with orders expected in the next 12 months.

## **UK Design and Production**

Tyron's Rubber Runflats are uniquely designed and produced in the UK