

# Mitas

NEWSLETTER FOR CUSTOMERS AND FRIENDS OF MITAS



A New Holland CX 6090 combine harvester mounted on Mitas AC70N 800/65R32 and 500/85R24 SFT IMP tires. The AC70N 800/65R32 tire has a load capacity of up to 13 320 kg (10 km/h cyclic, 4 bars).

## We manufacture hundreds of Mitas radial tire sizes for you

Mitas continues to expand its radial tire range. Their characteristics – greater grip and traction, soil-friendliness, improved productivity for reduced operating costs – are perfectly aligned with the requirements of modern equipment and significantly improve their utility value. The current Mitas tire range includes over 300 radial tire sizes for agricultural, construction and material handling equipment, while the majority of radial tires are intended for agricultural use. “In addition to a wide range of tractor tires, the Mitas brand considers itself a specialist in tires for combines and harvesting equipment, for which we offer a genuinely unique radial range,” says Pavel Kott, Product Manager for Mitas agricultural tires.

### Flexible sidewalls for improved characteristics

Tractor tires are the most numerous group of new radial products, and here we also find tires with the most advanced constructions and technologies. These are primarily products in the **VF** (Very High Flexion Tires) category. These tires permit high loading at low inflation pressures together with high speeds. In this group, Mitas offers the HC 2000 range intended for high-horsepower tractors, the HC 1000 for self-propelled sprayers, and the HC 3000 for harvesting equipment (see below). The latest

additions to the tractor tire range are the VF 480/80R46 175D HC 2000, VF 480/70R38 172D HC 2000, VF 540/65R30 161D HC 2000 and the VF 540/65R34 163D HC 2000. More tires will be added to the HC 1000 segment this year, with very interesting widths of over 600 mm intended primarily for the American market.

**With its SFT** (Super Flexion Tires), Mitas provides flexible sidewalls for maximum load capacity, and the lowest possible inflation pressure for improved traction and optimum soil protection even with heavy machinery. The SFT tire range includes 43 sizes today, and in this

group we also find the largest mass-produced Mitas tire – the 1250/50R32. Its load capacity is 16 520 kg at a speed of 10 km/h or 10 900 kg at 50 km/h (both when inflated to 3.2 bars).

**Mitas SST** (Silent Speed Tires) with their special reinforced steel construction reduce cabin noise and overall vibration at higher speeds, aiding concentration and reducing operator stress. The tires in this range permit the highest speed of 70 km/h to be maintained for long periods, and the range includes six sizes for 38-inch to 42-inch wheels.

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## Three tractor tire ranges

The **AC 65** is a versatile, low-profile range for work in fields and on roads. Its large contact patch ensures it remains soil-friendly even under high loads. Mitas today produces a total of 23 versions with a 65% profile for 16-inch to 42-inch wheels. Mitas offers 17 sizes in the **HC 70** 70% profile tire range, while the special **AC 70T** range are wide tires for heavy field work with deep lugs for improved traction. The range includes 25 sizes. Another special design is the **AC 70G**, whose widened groove surface ensures quieter on-road operation and makes them friendlier to grassy surfaces.

The range of tires with the standard 85% sidewall profile remains the most numerous, with 33 sizes. Products in the **AC 85** range are still among the highest-selling Mitas radial tractor tires. The narrower **AC 85** and **AC 90** cultivator tires are designed to make driving along rows between plants without damaging them easier. The rounded shoulders and lugs combined with the tire height help protect seeds and plants. Mitas today produces 25 sizes of these narrow tires.

## Technology for your harvest

For the most modern harvesting machinery and other mechanisms, the Mitas brand offers the **HC 3000** and **SFT** (Super Flexion Tires) tires developed for machines with outputs of over 180 HP. The extreme volume of air in these tires ensures they are soil-friendly even when used on heavy mechanisms. They permit high loads while maintaining low soil pressure and comfortable on-road performance.

**HC 3000 VF** (Very High Flexion) tires are intended for cyclical work in fields - CFO (Cyclic Field Operation) - during which the loading on the machinery repeatedly changes. The option of low inflation pressures gives them excellent traction combined with high load capacity, important for effective transport. This range today includes five



An A Series Valtra tractor mounted on Mitas tires HC70 520/70R34 (rear) and HC70 420/70R24 (front).

designs, with the recent addition of the interesting 710/70R42 CFO 193B HC 3000 size, and will include the new VF 750/65R26 CFO 180B HC 3000 in 2020.

The special **SFT CHO** (Super Flexion Tires, Cyclic Harvesting Operation) combine tires with their flexible sidewalls effectively protect soil during harvesting work. Yet their compactness means they meet the statutory requirements for vehicle width. They are intended for the driven wheels of agricultural machines. The Mitas brand offers 15 sizes of SFT CHO tires. 22 sizes of extremely wide tires for the driven wheels of combines and other machinery with **AC 70 H/G/N** or **SFT** tread patterns also have their place in the Mitas portfolio. There are 20 versions of the Super Flexion Tire (**SFT IMP**) range, the **AC 65 IMP** and **AC 70G IMP**, for the driven wheels of combines and harvesting machinery.

The **Agriterra 02, 03** and **04** tires are designed for flatbed trailers, agricultural carriers, trailers, semi-trailers and tankers. They are grass-friendly and enable a maximum speed of 65 km/h. Mitas today produces a total of 16 versions with these three tread patterns, while the largest is the new 800/65R32 IMP 185D Agriterra 04 with its diameter of 1860mm. Another special size, the 620/75R26 IMP 169D Agriterra 02, is due to enter

mass production in 2020. Mitas still produces the radial implements range with the **AR-01** to **AR-05** tread patterns for the most varied towed vehicles operated in different types of terrain.

The universal Mitas **HCM** (High Capacity Municipal) tires developed for municipal mechanization are a very successful product. They are intended for all terrains and, thanks to their 65 km/h maximum speed, are also ideally suited for operation on surfaced roads. This year, the group (currently with 12 sizes) will be expanded with the 360/80R20 IND 143D/147A8 HCM, 440/80R30 IND 153D/157A8 HCM, 250/75R16 IND 111D/116A8 HCM and the 360/80R28 IND 141D/146A8 HCM.

## ...and that's not all!

Mitas still offers the versatile TI (Tractor Industrial) range for both industrial and agricultural use, and we can also find radial technology in tires for construction and handling equipment. "Our measure of success is the growing popularity of Mitas radial tires with agricultural and construction machinery manufacturers. We are, for example, original equipment manufacturers for John Deere, Agco, CNH, Claas, Same Deutz-Fahr, Atlas, Weyhausen, Mecalac, Liebherr, Kramer, CNH, MERLO, Komatsu, JCB, Manitou and Wacker Neuson," Pavel Kott concluded. (JB)

# Cultor brand offers dozens of radial tires

Since 2009, Cultor has been another brand through which Trelleborg Wheel Systems manufactures and sells agricultural and industrial tires. Its range includes well-proven radial agricultural tires - the Cultor RD-01, RD-02 and RD-03.



An Ursus C3102 tractor on Cultor RD-02 series radial tires.

These stand out through their versatility and excellent power transfer for high performance during work in fields, yet still offer high standards of on-road comfort. They have been in the retail chain since December 2015. "With Cultor RD tires, customers get quality agricultural radial tires at an attractive price, meaning they are attractive for farmers looking for an alternative to premium products," says Pavel Kott, Product Manager for Mitas and Cultor agricultural tires.

The Cultor RD-01 are versatile tires with a standard 85% profile for a wide range of agricultural applications, which stand out

through their balanced characteristics. These include very good grip with low slippage and longer lifespans thanks to their wear-resistant tread. Today's range includes 26 sizes for 24-inch to 46-inch wheels.

The primary advantages of the Cultor RD-02 tires with their 70% profile are their high on-road comfort and excellent power transfer during work in fields. The larger contact patch reduces the pressure transferred to the soil and the subsoil layer, while the high load capacity and stability

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## FIMA: four new products

Mitas presented its latest agricultural tires at the FIMA 2020 trade fair in Zaragoza in Spain at the turn of February. There, visitors could view two brand new tires and also two new sizes expanding the range.

The first is the new VF 1000/65R32 CFO 200A8 HC 3000R tire for harvesting machinery belonging in the VF (Very High Flexion) range. Their special construction means that VF tires have almost 40% higher load capacities than regular tires, irrespective of speed. The VF 1000/65R32 CFO 200A8 HC 3000R has a new HC 3000R (rounded) tread pattern based on the tried-and-trusted HC 3000 tread pattern. The difference lies in the rounded shoulders, which ensure it is even more soil-friendly during turns in fields and on grassy surfaces. The tire is also offered in a strengthened CFO (Cyclic Field Operation) version.

The second new tire presented in Zaragoza was the 800/65R32 IMP 185D Agriterra 04. This has a high load capacity and has been designed for the driven wheels of agricultural vehicles. The new tread pattern is primarily intended for work in fields and pastures and offers excellent self-cleaning and traction characteristics.

The 650/65R42 IND 176A8/171D HCM and VF 480/70R38 172D HC 2000 tires were also presented at the trade fair. The first one expanded the HCM (High Capacity Municipal) tire range for municipal machinery. The second tire is part of the HC 2000 range designed for high-horsepower tractors. (JB)



The four new Mitas tires introduced at the FIMA 2020 trade fair.

## THE NEW MITAS WEBSITE DESIGN

Visitors have been enjoying the new look of the [www.mitas-tyres.com](http://www.mitas-tyres.com) and [www.mitas-tires.com](http://www.mitas-tires.com) websites since the end of last year. Mitas as a global brand offers 24 websites in 12 language mutations. The [www.mitas-tires.com](http://www.mitas-tires.com) website is intended for the American market and [www.mitas-tyres.com](http://www.mitas-tyres.com) for the European market. The Mitas International website covers all the remaining markets for which there are currently no websites in the relevant languages. However, Mitas is planning to add additional language mutations in the future, for example to support the Romanian and Swedish markets.

Visible from the first glance, the key change is the unified appearance of all the Mitas websites. The Mitas Moto and Mitas Cycling websites got their "new coats" a little bit earlier, but now all the Mitas websites have the same identity.

The main objective of the new websites is to provide customers with an overview of the entire Mitas product range, meaning not only tires for agricultural machines, construction and handling equipment, but also for trucks, motorcycles, aircraft and bicycles. Visitors to the Mitas websites can now find these product categories on both the homepage and the product pages.

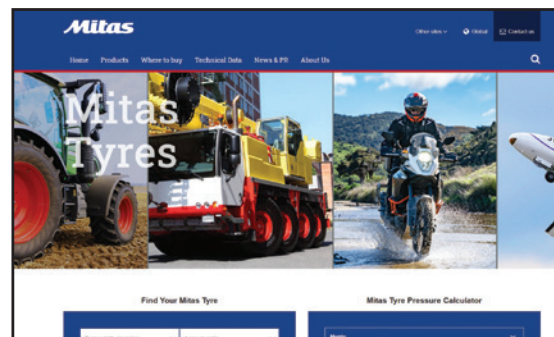
The websites are now clearer, easier to understand, and feature a more interesting design. Already on the home page, a visitor can find his Mitas agricultural tire or a tire for construction and handling equipment and calculate the proper inflation pressure. The

page navigates users across individual product categories to dealers where Mitas tires can be purchased. Also on the home page are more visible links to PR articles and documents for download, such as product catalogs, the Mitas IN newsletter and additional useful information.

The new Mitas websites were created in a new CMS (Content Management System). It offers a better user experience for both, visitors and for those who work with the CMS. Describing the initial reactions to the Mitas websites, the

Mitas Digital Marketing Manager Regina Fíčková said: "Google Analytics data shows that users stay on our website longer, look at more pages, and there is a lower percentage of users who leave the website immediately," whilst adding, "We update web content regularly, especially the product parts, information about trade shows and news."

Have you already seen the new [www.mitas-tyres.com](http://www.mitas-tyres.com) website design? If not, we would like to invite you to take a look - we hope you will like it! (JB)



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are guarantees of confident behavior on roads. The flexible sidewall helps improve on-road comfort. There are 13 sizes of this design available for 24-inch to 38-inch wheels. The maximum speed of Cultor RD-01 and RD-02 tires is 50 km/h.

Cultor also offers the RD-03 tractor tire range with a 65% profile. Their significant benefit is reduced soil compaction thanks to optimum pressure distribution, and up to 40% higher tractive force than standard tires. The wide tread pattern and large volume of air in the tire help give them a higher load capacity. Maximum speed is increased to 65 km/h and the range currently offers 17 sizes for 24-inch to 42-inch wheels. The largest 650/65R42 165D (168A8) version has a load capacity of 8460 kg at a speed of 10 km/h and inflated to 3 bars, while its load capacity is 5150 kg at the highest speed of 65 km/h (at 2.4 bars). (JB)



In addition to radial tires, the Cultor brand also offers many versions of cross-ply tires.

**Cultor**

## Gaadi linear inner tubes

The Gaadi linear tubes are something of a specialty in the Mitas inner tube range. Simply put, these are inner tubes that are not connected to form the traditional round shape but rather have two ends. This lets you to replace your inner tube without having to remove the bicycle wheel from the frame, something especially important for electric bike owners, as removing the rear wheel is complicated by the motor located in its hub. Yet ease of replacement is also convenient for regular bicycles, as you do not have to release the brakes or handle the chain and derailleur. Linear inner tubes are simply pushed under the tire, aligned in the rim, and then the tire is refitted.

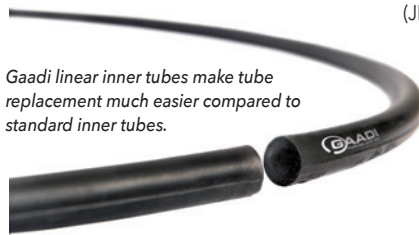
Although the German company Gaadi came up with the idea of the linear inner tube, it was the Czech company Trelleborg Bohemia that developed a reliable mass production method. This is because the manufacture of linear inner tubes is very technically demanding, with the greatest problem being connecting the injection-molded ends (called "lids" in manufacturing slang) to the rest of the tube. Another technical nut that needed cracking was to minimize wheel wobble caused by such inner tubes as they are of course heavier at the connection point than elsewhere. Today Trelleborg Bohemia is the sole manufacturer and concurrently the exclusive global distributor of Gaadi linear inner tubes.

Today these tubes are manufactured in eleven sizes for 20-inch to 29-inch rims. Each size is also offered with Dunlop (DV), Scaverand/French (FV), Italian (IV) or Schröder (SV) valves.

"Immediately after they were launched onto the market several years ago, the new product became most popular in the Benelux markets due to the popularity of electric bikes there. Yet we are gradually seeing increased interest in these inner tubes for classic bicycles - the marketing for the new product has been successful and consumers are of course also interested in replacing their inner tubes as simply as possible," says Zdeňka Jílková, Director of Sales and Marketing for Mitas bicycle tires and tubes.

(JB)

*Gaadi linear inner tubes make tube replacement much easier compared to standard inner tubes.*



## Mitas comes 8th at Dakar 2020

The Slovenian Mitas rider Simon Marčič finished the Dakar 2020 rally in 8th place in his "Original by Motul" category, and in 50th place overall for motorcycle riders. This was Simon's 6th Dakar, and he had to deal with a 7 500 km-long and extremely difficult route in Saudi Arabia.

Simon Marčič rode with the Mitas E-12 140/80-18 on his rear wheel and the Mitas TERRA FORCE-EF Super (90/100-21) and Mitas C-21 Super (90/90-21) on the front.

The E-12 tread pattern for rear tires was developed to meet the demands of tough rally competitions. Its larger block pattern and more

open tread offer fantastic grip and wear rates. The tire is based on the popular E-09 but has a lighter carcass marked with a green stripe.

Mitas TERRA FORCE-EF tires are the successors to the popular Mitas Enduro tire range. The Mitas TERRA FORCE-EF Super, marked with a yellow stripe, features a fibrous durable long-lasting rubber compound that ensures outstanding grip and very low abrasion, even on hard terrain. It resists tearing and cutting, and is therefore suited to wide range of terrains - from soft and intermediate to rocky. These tires are produced in two front-wheel sizes (21 inches) and two rear-wheel sizes (18 inches).

The Mitas C-21 is a tread pattern for front wheels recommended for semi-hard to rocky terrain. This tire is frequently used in various rally competitions with the E-12 on the rear wheel.

(JB)



Simon Marčič during rally Dakar 2020, photo by Denis Janežič.

Mitas motorcycle and aircraft tires are part of the Two Wheels & Specialty Tires Business Unit of Trelleborg Wheel Systems.

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Mitas, part of the Trelleborg Group, is one of Europe's leading tire brands for agricultural machines, construction vehicles, material handling equipment, motorcycles and other specialty segments. Mitas tires are produced in the Czech Republic, the United States, Serbia and Slovenia, and promoted through a global sales and distribution network.

## IN short

### Closer to our Asian customers

Tires for forklifts are an important Mitas tire product group for construction and material handling equipment. The manufacture of tire with the FL-08 tread pattern has been transferred to the Trelleborg group manufacturing plant in Sri Lanka to ensure better availability for Asian customers. These will then be sold through the Mitas global sales network. FL-08 tires are the most widespread of the diagonal tire range for handling equipment under the Mitas brand. The higher filling of their tread pattern has been designed for difficult operating conditions and guarantees very good directional stability. Customers will find over thirty sizes of these tires in the range. This range is already being manufactured in Sri Lanka, and has been expanded to include the following sizes: 7.00-15 14PR FL-08, 15x4 1/2-8 12PR FL-08, 7.50-10 12PR FL-08, 28x12.5-15 20PR FL-08 and 23x10-12 16PR FL-08. The Mitas brand offers a total of eight tread patterns for handling equipment tires - FL-01 to FL-08 - to suit a wide range of operating conditions.



### Guinness record on ice

Mitas Moto was a proud partner for The Baikal Project held between 15 and 25 February 2020 at Lake Baikal in Siberia, Russia. A group of five adventure enthusiasts rode 830 km across the frozen Lake Baikal during the Siberian winter. This was the longest ever ride on ice, took seven days and set a new Guinness World Record. The local conditions are really tough, including extreme cold (-40°C) and the constant risk of falling through the ice. All the motorcycles were equipped with studded Mitas XT-434 Winter Friction 80/100-21 (front) and Mitas XT-454 Winter Friction 110/100-18 (rear) tires. Both are manufactured with a standard motocross carcass and a special compound which remains flexible and elastic in the freezing cold. See more about The Baikal Project here: [www.thebaikalproject.com](http://www.thebaikalproject.com).



The Baikal Project, photo by Egidijus Babelis.



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