

Mitas

NEWSLETTER FOR CUSTOMERS AND FRIENDS OF MITAS



A representative of the Mitas MPT product line - the SRT2, offered in the 275/90R22.5 size, is designed for operation on rails and roads.



Download the latest technical data book for Mitas construction and material handling tires here.

Mitas multipurpose tires

The largest group among Mitas tires designed for construction and handling equipment is the multipurpose tire (MPT - Multi Purpose Tires). These are manufactured in both radial and diagonal versions and are a product group whose characteristics and dimensions mean they can be equipped on both construction and agricultural machinery. A total of 14 MPT tire designs for a wide range of machines and equipment are manufactured under the Mitas brand today.

The best-selling Mitas MPT radial tire is the MPT-20. This is a universal and very durable tread pattern for on-road and off-road use. Its all-steel construction makes it an excellent choice for municipal, military and other special vehicles. MPT-20 tires are manufactured in 335/80R20 and 365/80R20 sizes. They permit a maximum speed of 110 km/h, and at this speed the larger 365/80R20 size has a load capacity of 3550 kg (at 6.25 bars).

The MPT-21 is intended primarily for trucks and offers excellent traction both on-road and off-road. This is a non-directional tread pattern with an all-steel construction and excellent self-cleaning ability. The MPT-21 is manufactured in

four sizes (335/80R20, 365/80R20, 405/70R20 and 405/70R24) and permits a maximum speed of 100 km/h. MPT-20 and MPT-21 tires are suitable for year-round use (they feature the M+S marking) and are homologated pursuant to the ECE R.54, DOT 119 and EC 2001/43 standards.

The MPT-23 is a new, asymmetric tread pattern for on-road use developed mainly for Daimler Unimog vehicles. The tread pattern design and its all-steel construction give it high durability combined with low noise levels. It is manufactured in the 375/75R22.5 size and has a maximum speed of 90 km/h. The tires are labelled M+S and homologated pursuant to the ECE R.54 and EC 2001/43 standards.

On rails and roads

One "specialty" in the Mitas MPT tire range is the SRT2, made for operation on rails and roads. This is manufactured in the 275/90R22.5 size, permits a maximum speed of 90 km/h and has a load capacity of 3650 kg at this speed (at 8.50 bars). The static load capacity of this tire can nevertheless reach 9250 kg. "We developed this special tread pattern around five years ago upon a request from our customer, Daimler," says Mitas product manager for material handling & construction tires Jaroslav Musil. This tire, with its all-steel construction, is intended for year-round use (M+S) and has been homologated pursuant to the ECE R.54, ECE R.117, DOT 119 and EC 2001/43 standards.

Continued on page 2



Continued from page 1

Mitas multipurpose radial tires are used as original equipment by renowned vehicle manufacturers such as Daimler and JLG. The group of Mitas diagonal multipurpose tires also includes the top-selling MPT-01 and MPT-04 versions. The MPT-01 is a high-traction tread pattern with excellent self-cleaning properties for use on telehandlers and wheeled loaders, primarily in agriculture. It is manufactured in a total of five sizes from 280/80-18 to 405/70-24. The largest MPT-01 tire size is constructed to permit a top speed of 50 km/h with a load capacity at that speed of 3550 kg when inflated to 4 bars. The MPT-04 has a tread pattern with high wear and damage resistance. It offers very good directional stability on soft surfaces yet also excellent traction and abrasion characteristics for use on telescopic handlers and wheeled loaders, but also for agricultural applications. It is offered in seven sizes from 10.5-20 to 405/70-24. A total of five sizes from 340/80-18 to 400/70-24 have been homologated pursuant to the ECE R.106 standard.

Versatility is our advantage

The MPT-03 and MPT-05 are universal tread patterns for difficult terrain, primarily used for

municipal and military vehicles, offering a maximum speed of 90 km/h and suitability for year-round use (M+S). The MPT-03 for on-road and off-road use stands out with its excellent traction, while the MPT-05 is a classic universal tread pattern for a wide range of special vehicles. The MPT-03 is manufactured in five sizes from 12.5-18 to 405/70-20, and the MPT-05 in four (10.5-20 to 16/70-20). This range of universal tires supplements the MPT-07, a non-directional tire suitable for the most varied special vehicles. It is supplied in the 10.5-20 size.

The MPT-06 and MPT-08 are robust tires with excellent traction characteristics and perfect stability for use on telescopic handlers and excavators. The MPT-06 stands out through its excellent traction characteristics and increased lateral stability, while the MPT-08 is a robust tire for difficult terrain. The 480/65-22.5 IND MPT-06 tire is homologated pursuant to the ECE R.106 standard.

"The MPT-01 to MPT-08 tires are the most important group of tires for construction machinery under the Mitas brand. Their quality is shown by the fact that we supply them as original equipment for global manufacturers of construction machinery such as Atlas Weyhausen, Mecalac, Liebherr, Kramer, CNH, MERLO, Komatsu, JCB, Manitou and Wacker Neuson," Jaroslav Musil concluded. (JB)



The MPT-20 is one of the best-selling Mitas radial MPT tires. This is a universal and very durable design for on-road and off-road use.

A successful Agritechnica



Mitas took part in the world's leading trade fair for agricultural technology – Agritechnica 2019 – held on November 10-16 in Hanover, Germany. Mitas presented two completely new tires and other tires extending its portfolio there.



The Mitas stand at the Agritechnica fair presented not only its latest agricultural tires...



...but also an excellent show by top Czech mountain bike trial riders, Vlastislav Kabeláč Čiháček and Marek Tryner.

The 800/65R32 IMP 185D AGRITERRA 04 extends the existing line of Mitas AGRITERRA 02 and AGRITERRA 03 tires. AGRITERRA radial tires feature high load capacities and are designed for non-driven wheels on a wide range of agricultural vehicles. The second brand-new tire – the VF 1000/65R32 CFO 200A8 HC3000R – belongs to the Mitas VF (Very High Flexion) tire

portfolio, has been improved with CFO (Cyclic Field Operation) construction and is designed for modern harvesters. Mitas also introduced the new 650/65R42 IND 176A8/171D HCM tire from the current Mitas High Capacity Municipal product line suitable for municipal and road maintenance tractors, telescopic handlers and loaders. The VF 480/70R38 172D HC2000

represented the Mitas HC2000 tires designed for high-horsepower tractors.

Mitas prepared a very attractive show to entertain visitors to the fair. Two top Czech mountain bike trial riders, Vlastislav Kabeláč Čiháček and Marek Tryner, demonstrated their excellent riding skills on Mitas Defender 60-559 (26x2.35) bike tires right at the Mitas stand. (JB)

New CUSTOM FORCE for road cruisers

Mitas introduced a new tire range for custom and cruiser motorcycles named CUSTOM FORCE at the EICMA exhibition held in Milan, Italy in November 2019.

Mitas CUSTOM FORCE features all the important characteristics of a high-performance custom cruiser tire: durability, stability, comfort and an attractive design. Entry into the custom cruiser tire segment represents a new chapter in Mitas' journey to becoming a full range motorcycle tire manufacturer.

The new range has been extensively tested under the most strenuous conditions possible in the U.S. as well as in countries across Europe to ensure the best performance.

"Premium materials along with a robust carcass ensure great riding performance at different speeds, under all weather conditions and on different road surfaces. Particular attention was taken during the development stage to ensure best-in-class braking and handling under wet conditions. No detail was left to chance to ensure the full satisfaction of riders even on longer journeys with a pillion rider and luggage," said Ksenija Bitenc, director of the Mitas Motorcycle Tires division, adding, "The attractive tread pattern design with its elegant grooves is in the shape of a moving snake; a fantastic complement to the tire for real custom cruiser riders."

Mitas CUSTOM FORCE tires will be available for sale from January 2020. (JB)



The attractive tread pattern design with its elegant grooves is in the shape of a moving snake - this is Mitas CUSTOM FORCE.



The AC70 G (MPT) can be mounted on agricultural and construction machinery, such as this Kramer wheel loader.

MITAS AGRO-INDUSTRIAL RADIAL TIRES

In this Mitas IN issue we will be presenting Mitas multipurpose tires (MPT) in the tires for construction and handling equipment group. We can of course also find multipurpose tires in the Mitas agricultural tire range, as these are products with universal use both for agricultural machinery and construction and handling equipment.

They are represented by the AC70 G (MPT) tire range, universal multipurpose radial tires whose wide tread and significant rib overlap in the tread center provide stable, safe and comfortable on-road use. Their high wear resistance also makes them very economic to operate. The tire belongs in the multipurpose tire series as it has a special carcass and steel belting, permitting high speeds of up to 90 km/h. "We offer these tires in a wide range of sizes from 16 to 30 inches, with 16 sizes currently available," says Pavel Kott, product manager for Mitas agricultural tires.

The smallest representative of this range is the 265/70R16 MPT, which features a load capacity of 1180 kg at a maximum speed of 90 km/h when inflated to 3.5 bars. On the other hand, the largest size, the 495/70R30 MPT, has a load capacity of 3075 kg at the same top speed and an inflation pressure of 2.5 bars. The load

capacity record holder is the 445/65R22.5 MPT, designed for a maximum inflation pressure of 6 bars and a top permitted load of 4500 kg (again at 90 km/h). The most popular AC70 G (MPT) tire size is currently the 425/55R17.

The Mitas agricultural tire range also includes the TI (Tractor Industrial) series, versatile radial tires for both industrial and agricultural use. The new generation of the TI-20 traction tread pattern is suitable for construction, on-road and agricultural applications. It was developed for soft and muddy terrain and so has excellent traction with minimum slippage, while offering high puncture resistance. The highest permitted speed of these tires is 50 km/h. The Mitas brand currently offers three types of tire with the TI-20 tread pattern, namely the 340/80R18 IND, the 480/80R26 IND and the 440/80R28 IND. The last of these (and the largest) features a maximum load capacity of

3640 kg (at 3.2 bars and 50 km/h).

The TI-22 tractor tire features very good traction and self-cleaning characteristics combined with high durability and long life. "This tire is primarily suitable for excavator loaders, wheeled loaders, telescopic handlers and similar lighter machinery and equipment, nevertheless is also suitable for agricultural machines," Petr Kott adds. It is manufactured in a single size, the 460/70 R 24 IND, which also permits a maximum speed of 50 km/h. The load capacity at this speed is 3980 kg (at 4 bars). All the indicated agro-industrial tires are manufactured as tubeless but can also be used with inner tubes.

Mitas AC70 G (MPT), TI-20 and TI-22 tires are fitted as original equipment by a series of renowned manufacturers of agricultural and construction machinery, such as CNH, Claas, Same Deutz-Fahr and the Czech manufacturer Bednar. (JB)

From the world of left turns

The Mitas brand is a traditional manufacturer of speedway tires with a long history. The brand's first tires for this sports discipline saw the light of day in the city of Zlín back in 1947. Today all the world's best riders race on Mitas speedway tires.



Bartosz Zmarzlik, the FIM Speedway Grand Prix world champion.

Great recent successes include the world champion title in the FIM Speedway Grand Prix series for sponsored Polish rider Bartosz Zmarzlik. He won the world title after a very demanding season and, as he says himself, he is very proud of it. "This is unbelievable - I am the third Polish world champion. It is very nice and I don't know what to say now," Bartosz told the

speedwaygp.com website immediately after the decisive race.

On October 6, Mitas was a partner for the oldest speedway race in the world - the 71st Golden Helmet of the City of Pardubice in the Czech Republic. This unique trophy - a gold-plated helmet - was won by Australian Jason Doyle, who thus successfully defended his victory in the same race a year ago. The first Golden Helmet race was held back in 1929 and Mitas has been a partner since 1997!

Today, speedway races are dominated by the Mitas SW-07 (rear) and SW-12 (front) tires, which fully comply with FIM regulations for the sport. The SW-07 tire has a reinforced side wall and an optimal tread pattern, and is made from a special mixture providing good adhesion, traction and cornering. It is manufactured in the 3.75-19 size. The front tire with the SW-12 tread pattern offers optimal riding characteristics in turns and is supplied in the 2.75-23 size. Mitas also offers other speedway tire types, including special sizes for junior racing. (JB)

Mitas tires for titles

In 2019, Mitas bicycle tires have seen success not only in the Mountain Bike World Cup and in the World Championships, but laurels were also collected in many national MTB championships and other sports disciplines.

There are national championships for mountain bikes in several disciplines in various states, while the most popular are Cross Country Olympic (XCO) and Cross Country Marathon (XCM). Marathon races differ from the classic Cross Country primarily in their extra length, which reaches between 70 and 120 km.

Ondřej Cink from Kross Racing Team became Champion of the Czech Republic in XCO for 2019 on Mitas tires, winning his Czech Champion title in the Hlinsko region for the third time in July. Ondřej's national trophy was not the only one for Kross Racing Team - his teammate Maja Włoszczowska won the XCO championship in her native Poland, and Ariane Luthi became Swiss XCM Champion. Mitas MTB tires also safely saw current Serbian XCO Champion Jovana Crnogorac, riding for Bike Way Racing Team, to her title. Estonian XCM Champion Greete Steinburg also fully relied on the Mitas brand, as

did Slovak Jana Števková from Outsiterz Cycling Team, who won both the XCO and Marathon national championships on them in her home country. Guy Sessler of Bike Way Racing Team also won the XCO title in Israel on these tires.

The brand was also successful in other disciplines. Czech biker Vojtěch Ludvík won the world MTB Orienteering title and Romana Labounková the same title in Four-Cross. (JB)



Ondřej Cink from Kross Racing Team - a triple XCO champion of the Czech Republic.

IN short

Dominik Nekolný, BMX Flatland World Champion

Czech rider Dominik Nekolný has become the first ever UCI World Champion in the BMX Flatland discipline, first introduced into the International Cycling Union championship program in 2019. At the highest level, Flatland offers impressive acrobatics, and incredible elements and figures. Dominik gave an error-free, demanding performance at the world championships in China that earned him the highest points score from the jury. He won the world title on Mitas BMX Dom R03 tires, which he also helped develop. These feature an almost smooth tread pattern with a special mixture that ensures excellent traction during extreme acrobatic figures at high angles of lean on concrete or wood surfaces. In addition, the optimum layout of the tread pattern guarantees low rolling resistance. They are supplied in the 44-406 (20x1.60) size and Racing Pro Max and Classic Max versions.



New Mitas cycling catalog

Mitas presented numerous new projects for the 2020 season and its new bicycle tire catalog at the Eurobike exhibition. So what's new in the Mitas bicycle tire world? Road cyclists can look forward to the new - Mitas' first - Tubeless Supra road tire. The Arrow TS (R23) tire will initially be available in the 700x25C size. Mitas is also offering new sizes for e-MTB. The Kratos (R10) pattern will be available in the 2.6-inch "plus" width in both 29" and 27.5" diameters. Six new sizes will be introduced for the Cheetah (R15) MTB tire, while the X-Road gravel tire will be offered in the 700x40C size. We will return to these key new products in a future Mitas IN issue.

Mitas motorcycle, bicycle 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, bicycles 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.



Download the latest issue of Mitas IN here.