At MITAS we believe in sustainable mobility. Whether for commuting, recreation or sport we believe your bicycle should be fitted with the tyres that help you get where you want to be with the best possible ride and with the least possible impact.

Enjoy your ride...

The company tradition in the rubber industry dates back to 1908. With demand for bicycles and parts reaching record highs this year we have increased production to keep our customers stocked up and riders moving.

From elite level mountain bikers to hard riding city commuters and casual enthusiasts we offer a huge range of tyres and tubes, all made in Europe’s largest dedicated factory and available for rapid shipping to retail outlets and wholesalers everywhere. The quality and reliability are the moving force for Mitas brand.

#MyEnTyreWorld

Tyres by size
Hotpatches Packaging
MTB
ROAD GRAVEL
CITY TREKKING
ICE SNOW
Technologies
TUBES
GAADI TUBES
Safety Inflating
Accessories
Notes
MTB – RANGE CONCEPT

OVERVIEW

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<tr>
<th>TYPE OF USE</th>
<th>FAST</th>
<th>INTERMEDIATE</th>
<th>AGGRESSIVE</th>
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- **ZEFYROS**
- **KRATOS**
- **HYPERION**
- **SCYLLA**
- **MONARCH**
- **HIGHLANDER**
- **CHEETAH**
- **OCELOT**
- **TOMCAT**

**SCYLLA**

**KRATOS**

**MONARCH**

**HIGHLANDER**

**ZEFYROS**

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**MONARCH**

**HIGHLANDER**

**ZEFYROS**

**HYPERION**

**MONARCH**

**HIGHLANDER**

**CHEETAH**

**OCELOT**

**TOMCAT**
### ZEFYROS ELITE

**FAST XC**

Advanced design for even better handling and faster riding in easy rigid terrain. Higher side-knobs bring more traction and confidence in corners thus making the tyre more versatile without losing anything from its original merits.

<table>
<thead>
<tr>
<th>Tyre name</th>
<th>Performance level</th>
<th>ETRTO</th>
<th>Alternative size</th>
<th>Construction</th>
<th>TPI</th>
<th>Tread compound</th>
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### HYPERION ELITE

**WET OR SOFT TERRAIN**

HYPERION is a slightly deeper pattern design for additional grip in wet or soft terrain, extended forward plate for better cornering stability, and three direction grooves on knobs for increased riding confidence on obstacles. All this translates into better performance in muddy conditions.

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Photo: Miloš Lubas

Filip Adel, Superior Velsbike Team
SCYLLA ELITE

SCYLLA is our most versatile tyre for a broad range of MTB rides. The new tread profile is designed to offer advanced XC performance but also more aggressive trail capabilities.

The fast tread pattern in combination with optimal side knobs positioning for plenty of cornering grip makes SCYLLA the best choice for you. It is also the choice of most of our riders on the elite world circuit, thanks to low rolling resistance and impressive traction, for both great acceleration and braking in any track conditions.

Medium-high side knobs
Featuring a center groove for increased deformation and better progressivity.

1-2-2 Compact and low-high center line for better rolling resistance.

Self cleaning lips

Linear and Perpendicular intermediate knobs to improve traction and braking.

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<tr>
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Check the video here:

NEW SCYLLA

MTB ELITE

SCYLLA ELITE

XC ALL-ROUNDER

Emma Terrigeol, Team Cycles Darnanville
Photo: Miloš Štáfek
KRATOS ELITE

INTERMEDIATE TRAIL

KRATOS is the right choice for rough and hard terrain. More aggressive profile with excellent traction and better control of the bike. The double compound brings even better grip and superb handling on sharp corners. KRATOS is a combination of traction, all-round stability, effective braking properties and low rolling resistance in its class, making it an ideal choice for trail exploration and rough terrain.

MTB – ELITE

HIGHLANDER ELITE

AGGRESSIVE ENDURO / GRAVITY

This tyre is a perfect match for dry and hard-packed terrains. Optimally designed tread pattern allows not only driving in difficult terrain but also ensures great performance in climbing and downhill sections on both mountain bike and eMTB.

Nicolas Rihouey
Team Cycles Darnanville
Photo: Miloš Štáfek

Enzo Cavard
Photo: Abellan Julien
## NEW MONARCH

**MONARCH ELITE**

**ENDURO / GRAVITY**

**ALL TRACKS CONDITIONS**

THE MOST GRAVITY-ORIENTED TIRE of Mitas range developed in collaboration with Mitas Enduro athletes. Perfect all-round performance for all tracks and conditions. The advanced intermediate profile is combined with enduro dual compounds and Downhill Supra Max construction. Aggressive shoulder knobs, with optimal spaced tread design provide maximum braking, traction and cornering grip. The ground-contact grooves inspired by our winter tires provide the best level of grip over any track conditions. Mitas MONARCH, the ride has no limit.

<table>
<thead>
<tr>
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Check the video here:

![Monarch Elite Tyre](image_url)

**ENDURO**

- Tall side knobs Reinforced on the outside to offer maximum support in corners.
- 2-3-2 Progressive center line.
- Plenty of clearance for self cleaning.
- Linear and Perpendicular grooves to improve grip and progresivity.

Simon Andre Photo: Rupert Fowler

THE MOST GRAVITY ORIENTED TYRE of Mitas range developed in collaboration with Mitas Enduro athletes. Perfect all-round performance for all tracks and conditions.

- Tall side knobs Reinforced on the outside to offer maximum support in corners.
- 2-3-2 Progressive center line.
- Plenty of clearance for self cleaning.
- Linear and Perpendicular grooves to improve grip and progresivity.

Check the video here:
### CHEETAH

RUGGED TERRAIN WITH HARD GROUND

CHEETAH is a favourite choice for those who enjoy riding on rugged terrain with the hard ground. Even for gravel or travel adventure, CHEETAH is capable to bring you everywhere with a wide smile.

<table>
<thead>
<tr>
<th>Tyre name</th>
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<th>Construction</th>
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### OCELOT

MEDIUM-HARD TERRAIN – HARD GROUND

OCELOT has an intermediate tread pattern and is a popular choice for those who enjoy riding on a medium-hard terrain with the hard ground. The tread geometry is designed for good self-cleaning under demanding conditions.
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ROAD GRAVEL
### ARROW ELITE

The Mitas ARROW is a road tyre with TEXTRA technology, a high-density fabric that reinforces the entire carcass of the tyre. Excellent suppleness combined with low weight helps to increase durability and puncture resistance. The ARROW weighs only 250g and uses the excellent SMC (Silica Medium Compound) rubber, a special compound with activated silica.

It is designed for competition use with high level performance in all conditions, including wet and low temperatures.

### SYRINX ELITE

SYRINX road tyre is made of a very dense and extremely stiff rubberized fabric placed around the entire carcass of the tyre. It is excellent stability at almost negligible weight increases the durability of the tyre against puncture and abrasion. Made of SMC (Silica Medium Compound) it is designed for sporting use in all-round conditions. Its stable properties also allow the blend to excel for training in low-temperature conditions.

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**Table:**

<table>
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<th>Tyre name</th>
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<th>Construction</th>
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## X-ROAD ELITE

### EASY HARD PACKED TERRAIN/ROADS

Tread pattern suitable both for riding in easy, hardpacked terrain and on the roads. Finer and smaller tread figures, especially in the central part of the tyre, ensure low rolling resistance bringing joy from fast and comfortable riding.

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## X-FIELD ELITE

### MODERATE - RATHER SOLID TERRAIN

The most versatile tread pattern designed for moderate and rather solid terrain. Tread figures with optimal height and allocation provide low rolling resistance, speed, traction and effective braking. X-FIELD is the right choice for most CX tracks.

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**X-SWAMP ELITE**

**WET – MUDDY – SOFT TERRAIN**

The roughest pattern designed for wet, muddy or soft terrain. The layout and size of knobs provide perfect traction, solid bike handling and tread self-cleaning function.

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<th>Tyre name</th>
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![Photo: Giulia Blasi](image-url)

- Photo: Giulia Blasi
Check the video here.
As the name CITYHOPPER suggests, it is the right choice for high-quality surfaces in urban areas. The casing profile provides a comfortable ride and dampens road surface bumps. Some versions of the casing offer additional protection and safety features.

All tyres with antipuncture system are E-BIKE ready.

Photo: Giulia Blasi

As the name CITYHOPPER suggests, it is the right choice for high-quality surfaces in urban areas. The casing profile provides a comfortable ride and dampens road surface bumps. Some versions of the casing offer additional protection and safety features. All tyres with antipuncture system are E-BIKE ready.

Photo: Giulia Blasi

Tyre pattern specifically designed for city e-bikes providing increased traction on sides of the tread that brings better grip in curves. Applied E-PROTEC 360° technology increases puncture resistance, riding comfort and ensures exceptional safety under reduced visibility conditions.

The Tyre is certified for e-bikes up to 50 km/h (EHK75).
Do you want to get through city traffic in a flash? FLASH is the ideal choice to beat city traffic. The tread structure provides low rolling resistance and good adhesion on both dry and wet surfaces. FLASH is available in many sizes and 2 colour combinations. All tyres with antipuncture system are E-BIKE ready.

---

**FLASH**

**BEAT CITY TRAFFIC**

**Performance**

- **Comfort**
- **Rolling resistance**
- **Tread adhesion**

**Construction**

- **38mm**
- **28mm**
- **22mm**

**Technology**

- **Antipuncture system**
- **E-BIKE ready**

**Sizes**

- 26 x 1.75
- 700 x 45C

---

**Tyre series**

- **FLASH**
- **Standard**
- **Elite**

---

**Colour**

- **Black**
- **Brown**

---

**Photo: Giulia Blasi**
### CITY TREK

The universal tread pattern of the **HOOK** tyre is designed for riding on poor and unpaved surfaces. The almost smooth central part of the tread ensures less rolling resistance when riding on the road. Some tyres are also manufactured with other protective and safety features. All tyres with antipuncture system are E-BIKE ready.

### SHIELD

The **SHIELD** casing is designed for poorer quality and unpaved surfaces, but the smooth centralline of the tread provides lower rolling resistance even when riding on the road. The tread is fitted with an integrated (Clever Face) wear identifier that alerts the cyclist to the degree of tread wear with a smiley-shaped mouth. Some tyres are manufactured with additional protection and safety features. Tyres with antipuncture system are E-BIKE ready.

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<td>CITY &amp; TREKKING</td>
<td>WALRUS</td>
<td>Standard</td>
<td>47-305</td>
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<td>22</td>
<td>BC</td>
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<td>460</td>
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<td>KIDS V41</td>
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<td>Standard</td>
<td>47-203</td>
<td>12 ½ x 1,75 x 2 ¼</td>
<td>Classic</td>
<td>22</td>
<td>BC</td>
<td>250</td>
<td>34</td>
<td>320</td>
<td>5-10967339</td>
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<td></td>
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<td>CITY &amp; TREKKING</td>
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<td>Classic</td>
<td>22</td>
<td>BC</td>
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<td>KIDS V41</td>
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<td>47-635</td>
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<td>BC</td>
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<td>77</td>
<td>830</td>
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<td>V19</td>
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<td>CITY &amp; TREKKING</td>
<td>FLIPPER</td>
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<td>37-622</td>
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<td>22</td>
<td>BC</td>
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<td>580</td>
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<td>V70</td>
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<td></td>
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<tr>
<td>CITY &amp; TREKKING</td>
<td>COBRA</td>
<td>Standard</td>
<td>40-606</td>
<td>20 x 1,50</td>
<td>Classic</td>
<td>22</td>
<td>BC</td>
<td>450</td>
<td>76</td>
<td>600</td>
<td>5-10951880</td>
<td>KIDS V58</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CITY &amp; TREKKING</td>
<td>COBRA</td>
<td>Standard</td>
<td>40-406</td>
<td>20 x 1,50</td>
<td>Classic</td>
<td>22</td>
<td>BC</td>
<td>450</td>
<td>76</td>
<td>600</td>
<td>5-10951880</td>
<td>KIDS V58</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Mitas Winter tyres offer the highest quality of studs. The carbide tips in an aluminum body ensure the lowest possible weight and the highest wear resistance. The studs can last several thousands of kilometers. The tips get gently abraded and slightly pushed into the tread knobs while riding but this has no influence neither on the riding comfort or the stud performance. It is recommended that new tyres are allowed a 40 – 50 km “bedding in” period in order to allow the studs to settle in their housings. No heavy braking or aggressive riding should be performed during this first period.

The effectiveness of studs depends on their total number and allocation in the tread pattern. Generally, the best performance can be achieved on packed snow and frozen tarmac. On the contrary, in deep snow or on cobblestones the effect is minimal. The performance of studded tires is significantly influenced by the inflation pressure. Higher pressure reduces the noise when riding on hard surfaces whilst lower pressures increase the effectiveness of the studs. Performance and adhesion limits of winter tyres should be approached with caution. No recommendations or descriptions can advise on these boundaries. The use of studded bicycle tyres is not limited by legislation.
TECHNOLOGIES

DH SUPRA MAX
Tableless specification with increased carcass resistance.
Optimized Grip, stable riding in difficult terrain even at lower pressure.
Extreme protection against „Snake Bite“ and sidewall punctures and enhanced puncture resistance of tyre crown.

TUBELESS SUPRA
Tableless specification with high-density sidewall protection.
Optimized compound for durability and low rolling resistance while maintaining excellent level of grip in all conditions.
A light and long-lasting option.
Extreme protection against „Snake Bite“ and sidewall punctures and enhanced puncture resistance of tyre crown.

Tubeless with CRX compound for MTB and Gravel:
– CRX (CARBON RACE EXTREME LIGHT):
Rubber compound on active carbon black basis. Such provides high structural strength, enhanced abrasion resistance, excellent adhesion, grip and low drag characteristics.

Tube type with SMC for road racing:
– SMC (SILICA MEDIUM):
Special tread compound with admixture of activated silica distinguishing low by low drag, good adhesive properties, long durability. Intended for sportive usage in universal conditions.
This compound shows very stable properties at lower temperatures.

New Dual Compound tread
Provide durable performance, combining optional grip and high resistance to abrasion.

Dead low rebound compound
For side patterns figures.
Provide excellent adhesion and traction.
Optimal for extreme riding in harsh and ragged terrain.

TEXTRA reinforcement layer
Rubberized high-density fabric from bead to bead, increases resistance against cuts and abrasion.

127 TPI Casing
Carcass.

Mitas “wings”
Sidewall Reinforcement.

Aramid Beads
Reinforced.


**TECHNOLOGIES**

**E-PROTEC 360°**
Ultimate puncture protection made of 1.5 mm thick rubber.
- The special compound is placed between tread and carcass. Due to its properties high structural strength and hardness, it prevents punctures or cuts off.
- Enhanced protection is provided by additional TEXTRA layer.
- Applied 10 mm wide reflective stripe brings intensive light reflection from all angles, thus increasing safety.

**Puncture protection Rubber belt 1.5 mm**
1

**E-protec 360°**
2

**Highly visible reflex stripe 10 mm wide**
3

Twisted Steel Wire (2x2)
4

**CLASSIC**
- Reliability; resistance to wear; good riding properties; higher inflating pressure.
- Classic + BC (Base compound) 22 TPI: Standard tread black-carbon compound with long service life and good riding properties; it is for daily usage in universal conditions.
- Classic + APS (Base compound) 22 TPI: APS (Atipuncture system) 1mm thick puncture protection rubber placed between the tread and the carcass.
- Classic + E-APS (Optimal Compound) 29 TPI: E-APS – 1.5 mm thick puncture protection rubber placed between the tread and the carcass, a great choice for e-bikes.
- Classic + Stop Thorn (Optimal Compound) 29 TPI: UT (STOP THORN) – Ultimate puncture protection made of 3 mm thick rubber with Long Way construction thanks reinforced sidewalls and Optimal compound.
- OC (OPTIMAL) – Compound with higher resistance against abrasion. Optimal balance of abrasiveness and lifetime.

**ANTIPUNCTURE SYSTEM**

**E-BIKE ANTIPUNCTURE SYSTEM**

**STOP THORN**

**Puncture protection rubber belt**
1

**Carcass**
2

**Reflective Strip**
3

Twisted Steel Wire (2x2)
4
### TUBES

| Material Standard (mm) | Short Description | ETIR | Abomination Size | Weight | GVS 47 | AV48 | DV40 | IV40 | FV60 | FV80 | FV47 | FV40 | SV40 | TS | Other 40 / 47 - 622 / 635 | 50 / 54 - 507 | 40 / 47 - 507 | 50 / 54 - 622 / 635 | 40 / 47 - 584 / 597 | 47 / 62 - 559 | 362 x 474 | 305 x 305 | 250 x 250 | 362 x 362 | 250 x 250 | 362 x 362 | 250 x 250 | 362 x 362 | 250 x 250 |
|-----------------------|-------------------|------|------------------|--------|-------|------|------|------|------|------|------|------|------|------|------|-------------------|----------|----------|-------------------|-------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Steel                | SBC                | 0.90 | 0.90             | 0.90   | 0.90  | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | BSC 0.9 mm                   | BSC 1.2 mm          | BSC 1.0 mm          | BSC 1.0 mm                   | BSC 1.0 mm                   | BSC 1.0 mm                   | BSC 1.0 mm                   | BSC 1.0 mm                   | BSC 1.0 mm                   | BSC 1.0 mm                   |

**GAA Di TUBES**

GAA® is a linear bicycle tube made of high-quality compound and lasting two ends. Available for all wheel sizes from 20 to 28 inches, it can be delivered with a Dunlop valve (DV), Sclaverand / French (FV), Ballon valve (IV) or with a Schrader valve (SV).
**Safety & Inflating**

**RS – reflex stripe**

Excellent properties of reflective stripe provide a high light reflection during dusk and dawn, night, fog, rain and low light conditions for the whole tyre life.

Mitas bicycle tyres with the reflective carry world-wide valid certificate E4 8R 00205 ensuring the quality of such tyre production according to the standards and parameters. The reflective stripe on the sidewall is a distinctive safety esthetic element increasing the utility and value of the product.

**CLEVER FACE**

Tyre Abrasion Integrated Identificator

<table>
<thead>
<tr>
<th>Stage</th>
<th>Percentage of Pattern Left</th>
<th>Tire Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>100% of the pattern left</td>
<td>New</td>
</tr>
<tr>
<td>2.</td>
<td>60% of the pattern left</td>
<td>Recommended re-assembly from the rear to the front wheel</td>
</tr>
<tr>
<td>3.</td>
<td>10% of the pattern left</td>
<td>New tyre required</td>
</tr>
</tbody>
</table>

**Inflating – conversion table**

<table>
<thead>
<tr>
<th>kPa</th>
<th>psi</th>
<th>bar</th>
<th>atm</th>
<th>Torr</th>
</tr>
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<tbody>
<tr>
<td>0.1</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
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<td>0.3</td>
<td>0.1</td>
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<td>23.2</td>
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<td>0.5</td>
<td>0.2</td>
<td>0.1</td>
<td>46.4</td>
</tr>
<tr>
<td>0.4</td>
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<td>0.1</td>
<td>58.0</td>
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<td>0.3</td>
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<tr>
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<td>1.1</td>
<td>0.4</td>
<td>0.3</td>
<td>91.4</td>
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<td>0.8</td>
<td>1.4</td>
<td>0.5</td>
<td>0.4</td>
<td>101.5</td>
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<td>0.9</td>
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<td>0.6</td>
<td>0.5</td>
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</tbody>
</table>

**ACCESSORIES**

- **TSS – TUBLESS SEALANT**

Special liquid sealant latex-based is intended mainly for tyres of TUBELESS SUPRA construction in order to create tubeless system.

**PRODUCT NAME**

- **Specifications**
- **Price code**

- **TUBES100 SEALANT 150 ml**
- **TUBES100 SEALANT 500 ml**
- **TUBES100 SEALANT 1000 ml**
- **TUBES100 SEALANT 5000 ml**
- **TUBES100 SUPERST 26”**
- **TUBES100 SUPERST 27.5”**
- **TUBES100 SUPERST 29”**

**ACCESSORIES**

- **Tyre Abrasion Integrated Identificator**
- **Clever Face**
- **Conversion Table**
- **Inflating – conversion table**
NOTES
Your Distributor/Dealer:

For more information about MITAS bike tyres and tubes visit:

ridemitas.com

#MyEnTyreWorld