

SYNCROS wheels, quick-releases/ thru axles, tyres, inner tubes, rim tape and brake pads

ASSEMBLY AND USER GUIDE

/SYNCROS.COM

ENGLISH

NOTES ON THESE INSTRUCTIONS FOR USE AND MOUNTING

Pay particular attention to the following symbols:

WARNING

This symbol indicates a hazardous situation which could result in death or serious injury – if the relevant operational instructions are not followed or if the relevant protective measures are not taken.

CAUTION

This symbol indicates a hazardous situation which could result in minor or moderate injury – if the relevant operational instructions are not followed or if the relevant protective measures are not taken.

NOTICE

This symbol is used to address precautions not related to physical injury – which may, however, result in damage to property and the environment.

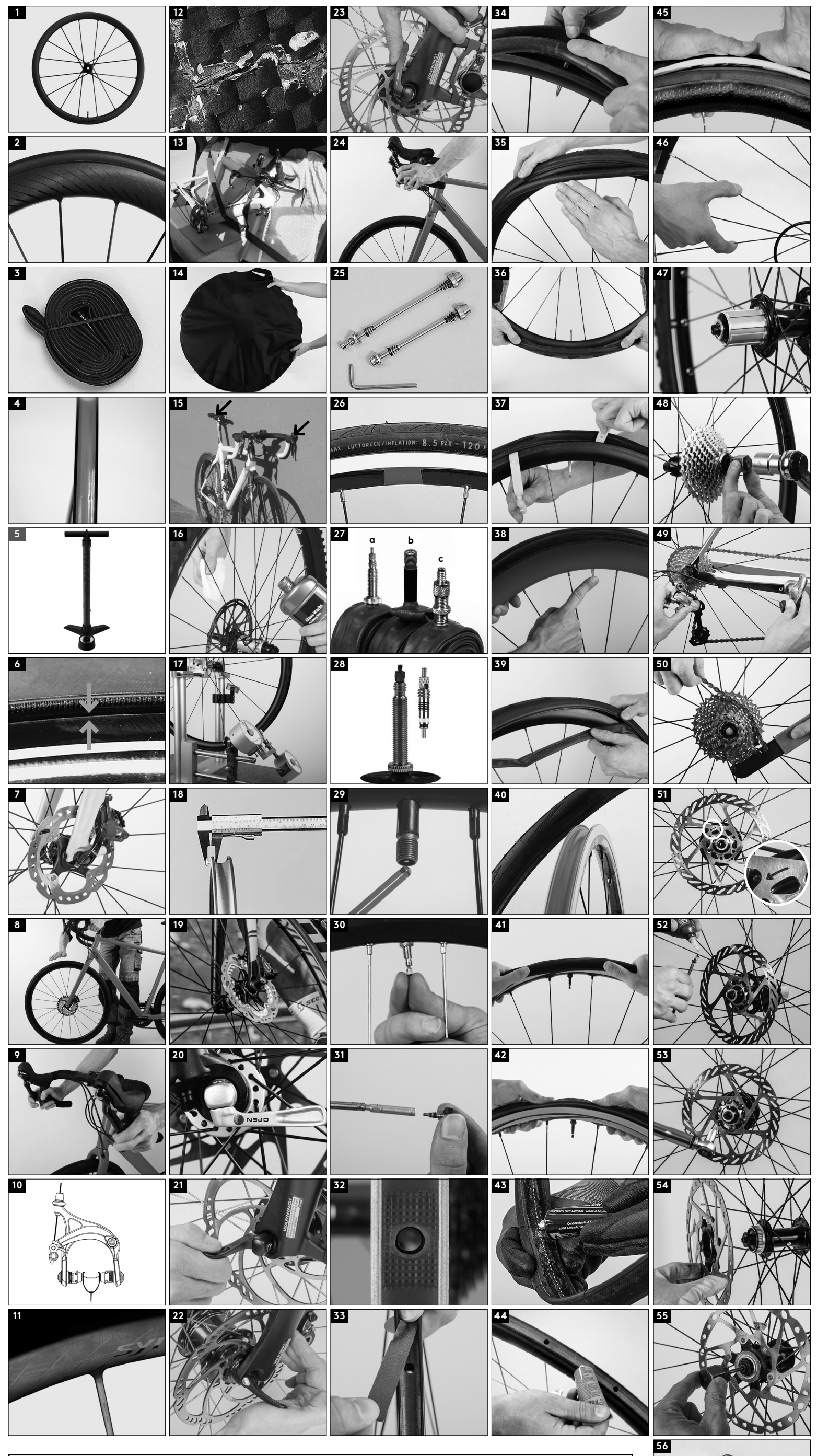
SAFETY INSTRUCTIONS

This symbol indicates specific safety-related instructions or procedures about how to handle the product or refers to a section in the instructions for use and mounting that deserves your particular attention.

The described possible consequences will not be repeated in the instructions for use and mounting every time one of the symbols appears.

GENERAL SAFETY INSTRUCTIONS

Congratulations on your purchase of SYNCROS wheels. You have made an excellent choice. We put a lot of effort and commitment into the development, testing and manufacture of our products in order to uphold the highest standards of quality. As with all high-quality sports equipment SYNCROS wheels, tyres and inner tubes must be mounted correctly, ideally by professionals. It is the only way to ensure the proper functioning and long-term durability of our products. We recommend that you ask a skilled mechanic at your SYNCROS dealer for help and use components of the same manufacturer whenever possible in order to achieve optimum performance and durability. Our production facilities with regard to component compatibility



WHEEL CARD / RIM DECAL:

Please fill in this wheel card report legibly and in BLOCK LETTERS. Read the SYNCROS wheel manual!

Manufacturer	Syncros
Tyre system	☐ TR Clincher ☐ Tubular
Use according to Condition DN 10406/2019	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6
Rim usage	☐ Road ☐ MTB ☐ Gravel
Max. weight depending on frame design and optimized for specified range	INCHES: ____/MM: ____
Min. weight depending on frame design and optimized for specified range	INCHES: ____/MM: ____
Max. tyre pressure depending on rider weight and riding style	BAR: ____/PSI: ____
Min. tyre pressure depending on rider weight and riding style	BAR: ____/PSI: ____
Max. permissible total weight	KGS: ____



are carefully monitored by quality inspections throughout the manufacturing process to ensure simple and reliable mounting.

These instructions for use and mounting contain important information on use, care, maintenance and mounting.

Read this manual carefully. Start with the general information and continue with the sections that will facilitate mounting and use.

There is a SYNCROS wheel card at the end of these instructions for use and mounting. It contains all important and safety-relevant information on your SYNCROS wheelset.

Keep these instructions in your records for future reference. If you sell or lend the bicycle or SYNCROS wheelset to another person, share these instructions with the new owner.

SYNCROS wheels, quick-releases/ thru axles, tyres and inner tubes require special care and attention like all lightweight components. They must be installed with care and used in accordance with their intended use. The materials used are partly extremely light and delicate. If they are subjected to heavy loads with a very low own weight of the components. These materials, however, can also break with the component maybe showing hardly any deformation prior to breaking. Overloads which may have occurred cannot be identified beforehand by clear bendings, although the component may have sustained damage. A component that was exposed to overload, e.g. as a result of an accident, has to be examined by professionals to ensure that it is further use is absolutely safe. Therefore, seek expert advice from your SYNCROS dealer after any such incident.

SAFETY INSTRUCTIONS

Keep these instructions for use and mounting in a safe place. If you sell or lend your SYNCROS wheelset or your bicycle to someone, show this manual with the bike.

SYNCROS wheels, quick-releases/thru axles, tyres, inner tubes, rim tapes and brake pads are subject to permanent technical progress. You obtain the latest information from your SYNCROS dealer.

BEFORE YOUR FIRST RIDE – INTENDED USE

Note that SYNCROS wheels (1) or each tyre of each tyre, each tyre (2) and each inner tube (3) is built for a specific intended purpose referred to as condition in the following. Use your SYNCROS wheels or your bicycle only in accordance with their intended use; otherwise the SYNCROS wheels or bicycle may not be able to withstand the loads to which they are subjected, potentially leading to failure and accidents with unforeseeable consequences! Also, improper use will invalidate the warranty. If you are not sure which condition your SYNCROS wheels or your bicycle belong to, consult the SYNCROS wheel card or ask your SYNCROS dealer.

SYNCROS wheels, tyres, etc. are designed for a maximum total weight of rider and bicycle including luggage (e.g. rucksack). The permissible maximum total weight is indicated on the bicycle ISO frame sticker. Always observe the indications provided in the SYNCROS wheel card.

WARNING

Your SYNCROS wheels were designed for a specific intended purpose. Use your SYNCROS wheels or your bicycle only in accordance with their intended use; otherwise the SYNCROS wheels or the bicycle may not be able to withstand the loads to which they are subjected, potentially leading to failure and accidents with unforeseeable consequences! Also, improper use will invalidate the warranty. If you are not sure which condition your SYNCROS wheels or your bicycle belong to, consult the SYNCROS wheel card or ask your SYNCROS dealer.

In some cases, the permissible maximum weight of the entire bicycle can be limited further through the weight limits applicable to the SYNCROS wheels or imposed by other component manufacturers.

Never modify your SYNCROS wheels, quick-releases or thru axles, rim tapes (4), tyre equipment or brake pads. For example, do not file or drill any holes in components, as this would damage their structural integrity and invalidate their warranty.

For your own safety, have your SYNCROS wheels, the tyre equipment etc. examined by your SYNCROS dealer after any impact loads such as an accident, crash, fall, etc.

If your SYNCROS wheel or one of your quick-releases or thru axles produce any creaking or cracking noises or show any external sign of damage, such as nicks, cracks, dents, discolorations etc., do not use your bicycle any longer. Have your SYNCROS dealer check the damage thoroughly and replace components as necessary.

If you want to know the condition of use which your SYNCROS wheels or bicycle belong to, have a look at your SYNCROS wheel card or ask your SYNCROS dealer.

Condition 1 SYNCROS wheels:

Condition 1 SYNCROS wheels and/or bicycles are intended for use on normal, paved surfaces, i.e. for asphalted or paved roads and cycle lanes, with the tyres designed to maintain contact with the ground at average speeds. Steps or kerbs may only be ridden carefully up to a maximum height of 15 cm. The intended range of the average speed is between 15 and 25 km/h (9.3 and 15.5 mph). These wheels are not suitable for off-road, cross-country or mountain bike use or jumps and competitive use of any kind whatsoever.

Condition 2 SYNCROS wheels:

Condition 2 SYNCROS wheels and/or bicycles are for use on normal, paved surfaces, for asphalted or paved roads and cycle lanes, as well as on unpaved roads and gravel paths of moderate grading. Under these conditions there may be contact with uneven terrain and loss of tyre contact with the ground may occur. Steps or kerbs may only be ridden carefully up to a maximum height of 15 cm. The intended range of the average speed is between 15 and 25 km/h (9.3 and 15.5 mph). These wheels are not suitable for off-road, cross-country or mountain bike use or jumps and competitive use of any kind whatsoever.

Condition 3 SYNCROS wheels:

Condition 3 SYNCROS wheels and/or bicycles are designed for use on rough, tough, uneven, unpaved roads as well as on difficult terrain and on undeveloped paths. They require technical riding skills and a high level of concentration. The intended range of the average speed is between 15 and 25 km/h (9.3 and 15.5 mph). In addition, they are intended for cross-country use and races on easy or intermediate to aggressive surfaces (e.g. hilly with small obstacles, such as roots, rocks, loose and hard surfaces as well as dents). Condition 3 SYNCROS wheels are, however, not suitable for off-road, cross-country, trials, star riding, etc., training and competitive use in the categories freeride, dirt, downhill as well as hardest freeriding, extreme downhill, dirt jump, slope style or very aggressive or extreme riding.

Condition 4 SYNCROS wheels:

Condition 4 SYNCROS wheels and/or bicycles are designed for use on rough, tough, uneven, unpaved roads as well as on difficult, rough and partly blocked terrain and on undeveloped paths. They require technical riding skills. Jumps/drops may be performed up to a height of 20 cm. In addition, they are intended for downhill riding on unpaved paths or speeds of less than 40 km/h (24.8 mph). Condition 4 SYNCROS wheels are, however, not suitable for regular and permanent use in bike parks, for cross-country use, jumps, slides, star riding, stipples, wheelies, tricks, etc., as well as hardest freeriding, extreme downhill, dirt jump, slope style or very aggressive or extreme riding.

Condition 5 SYNCROS wheels:

Condition 5 SYNCROS wheels and/or bicycles are suitable for extreme sports, i.e. jumps, jumps from obstacles (drops), high speeds or aggressive riding over rough surfaces or landing on uneven surfaces. Condition 5 SYNCROS wheels are designed for use on most challenging terrain, e.g. on North Shore trails, and for slope style, but only by highly skilled and experienced riders. Jumps/drops may also be performed above a height of 120 cm.

Condition 6 SYNCROS wheels:

Condition 6 SYNCROS wheels and/or bicycles are designed for riding exclusively on hard-surface paths and roads with asphalted or paved surface. The tyres must remain in constant contact with the ground. Steps or kerbs may only be ridden carefully up to a maximum height of 15 cm. Condition 6 SYNCROS wheels are intended for sports and competition riding under high exertion. The intended range of the average speed is between 30 and 50 km/h (18.6 and 31 mph). These wheels are not suitable for cross-country use, jumps, slides, star riding, stipples, wheelies, tricks, etc., as well as off-road and cross-country use or for rides with luggage carriers or pannier bags!

WARNING

If you want to use SYNCROS wheels or bicycles on public roads, these SYNCROS wheels or bicycles must be fitted with the prescribed equipment, such as side reflectors or reflectors. Observe the traffic rules when riding. Read the instructions for use for more information see the chapter "Legal requirements for riding on public roads" in your general bicycle manual.

For your own safety, do not overestimate your riding skills. Although they may look easy, some riding styles, tricks or shows performed by professional riders after years of training are hazardous to your life and limbs. Always protect yourself with suitable clothing.

BEFORE EVERY RIDE

Check the SYNCROS wheels of your bicycle for the following points before starting your ride:

1. Do the tyres show external damage (cuts, cracks, dents, foreign objects)? Are both tyres sufficiently inflated? The minimum and maximum pressure (in bar or psi) is indicated on the tyre side. Check the air pressure by using a pump with a pressure gauge (5). Check the proper seat of the tyre by means of the indicator line on the sidewall (6). It should be at equal distance to the rim on either side. The tyres must be free of a lateral radial runout. Make sure the inner tube is not pinched between tyre and rim and the valve is not in an oblique position. For more information see the section "General information on tyre equipment".

2. Are the quick-releases, thru axles or axle bolts of the front and rear wheel properly attached? (7) For more information see the section "Mounting axles".

3. Are the SYNCROS wheels as well as the sections "Secure attachment of your SYNCROS wheel with a typical quick-release" and "Secure attachment of your SYNCROS wheel with a thru axle"?

WARNING

Improperly closed quick-releases, thru axles or axle bolts can cause the SYNCROS wheels to come loose and result in serious accidents.

3. Spin both SYNCROS wheels (8) to check whether the discs are true. Watch the gap between brake pad and rim or, if your bicycle has disc brakes, between frame and rim or tyre. If the SYNCROS wheels are out of true, this could be a sign that the wheel will lose mounting resistance and traction and the brake pads will be damaged or of the spokes torn. If the gap between the brake pad and the rim on the left side is not the same as on the right side, either the brake or the SYNCROS wheel is not mounted correctly.

4. Test the brakes by firmly pulling the brake levers towards the handlebar as the bicycle is standing (9).

Disc brakes should give you a stable pressure point at once. If you have to actuate the brake lever more than once to get a positive braking response, have the bicycle checked by a professional mechanic. The brake pads should not be damaged or of the spokes torn. If your bicycle has hydraulic brakes, check the hydraulic brake hoses for oil or brake fluid leaks! Also check the thickness of the brake pads.

The brake pads of rim brakes must hit the rim sides evenly with their entire surface. They should not be damaged or of the spokes torn. If your bicycle has disc brakes, check the hydraulic brake hoses for oil leaks! Also check the thickness of the brake pads.

WARNING

Note that the braking power and the road grip of your tyres are both significantly reduced in wet conditions. When riding on a wet lane or a wet surface, be particularly cautious and lower your speed compared with dry conditions.

If you use rim brakes, persistent braking while dragging the brake pads continuously cause high temperatures, which may result in the inner tube falling without warning. In the case of disc brakes, braking performance could be severely reduced. Both can lead to a severe accident. Therefore, make it a rule to use both brakes for braking when riding downhill. Do not use the brake pads for braking generated by the brake on both rims or rotors. Brake when approaching corners and release the brakes as far as possible. Roll on subsequently without braking. If the road allows. This is the only way to avoid the risk of the brake system the chance to cool down to some degree in the interim.

Where a long steep downhill ride compels you to brake persistently for a longer period of time, we recommend stopping from time to time in order to let the rims cool down to some degree.

For road racing bikes there are more and more closed rim profiles made of aluminium or carbon available without spoke holes in the rim base. Some cyclists are tempted to use them without spokes. This is a serious safety hazard. The use of such a rim is without rim tape the heat generated by the rim brakes affects the equipment directly and the inner tube can burst. This may result in a fall with foreseeable consequences for life and limb. Excepted from this are tubeless tyres used in conjunction with UST rims.

Later tubes as well as lightweight tubes weighing less than 65 grams for road racing bikes and 120 grams for mountain bikes, are particularly prone to failure. Risk of an accident! A heavier inner tube means more weight, but it is a safety net. Use tubeless tyres used in conjunction with UST rims.

After replacing the cassette sprocket or the SYNCROS wheel or mounting the rear wheel for the first time onto your bicycle you need to check the functioning of the gears. (10) Make sure the limit stops are properly adjusted. If not adjusted properly, they can make the drivetrain fall off the rear derailleur collide with the spokes. This can result in an accident and damage to your bicycle! Read the instructions in your general bicycle manual or manual of your SYNCROS dealer.

SAFETY INSTRUCTIONS

The brake pads must hit the rim simultaneously, first touching it with the front portion of their surface. At the moment of first contact the rear part of the pads will be pressed against the rim surface. Visually inspect the rim surface. If the rim is too uneven, the brake pads form a "V" with the tough pointing to the front (10). This setting is to prevent the brake pads from squeaking when applied.

For more information, see your general bicycle manual.

SPECIAL CHARACTERISTICS OF CARBON

All products made of carbon fibre-reinforced resin (11) (also referred to as carbon or CFRP) have certain special characteristics which must be observed.

Carbon is an extremely strong material which allows producing components of high strength and low weight. When used in a typical and regular loading scenario in accordance with its respective condition of use, the resistance it offers equals or even exceeds that of aluminium or steel. However, carbon is not as tough as these materials, does not show visible deformation after undue stress, even as its internal fibre structure may already be damaged. In further, a carbon component that was exposed previously in an overload event may fail like a component made of metal would, potentially resulting in a fall with unforeseeable consequences.

If your carbon component was exposed to a high load, we strongly recommend that you take the component, or ideally even your complete bicycle, to your SYNCROS dealer for inspection. They will check the damaged carbon wheel or the entire bicycle for damage. Risk of an accident! Ask your SYNCROS dealer for advice.

For safety reasons, damaged components made of carbon must never be fixed or repaired! Damaged components must be replaced at once! Prevent further use by taking appropriate measures, i.e. saw the components into pieces.

Components made of carbon must never be under circumstances be exposed to excessive heat. Therefore, never have the components enamelled or powder-coated. The temperatures required for enamelling or powder-coating could destroy the component. Do not leave carbon fibre components near a source of heat or in a car (15) or in a boot or bag for too long.

Protect your SYNCROS wheels or your bicycle when transporting them in the boot or on the back seat of your car. Blankets, foam tubes or the like are a suitable padding to protect the sensitive material from damage. Pack the SYNCROS wheels (in particular with a special adapter) in a special wheel bag (14) to protect them from damage.

Always park your bicycle carefully and make sure it does not topple over (15). SYNCROS carbon wheels, frames and components may already sustain damage by simply toppling over, thereby hitting e.g. a sharp edge.

If your SYNCROS wheels or other components of your bicycle made of carbon produce any creaking or cracking noises or show any external sign of damage, such as nicks, cracks, deformations, dents or discolorations etc., do not use the SYNCROS wheels or the bicycle until the components were replaced. If the component was subjected to high load, on an accident or heavy impact, have it replaced or substituted by your SYNCROS dealer before using it again.

Keep in mind that rims with brake surfaces made of carbon require specific brake pads. We strongly recommend that you use our type and brand of brake pads as specified in our product descriptions. If this is not observed, we cannot guarantee for the proper function of the SYNCROS wheels and the warranty will be invalidated.

WARNING

Take time to become familiar with the braking behaviour of carbon rims in combination with rim brakes. Using the front wheel brake without care can result in a fall. Before you set off for your first ride, take your bicycle to an area free of traffic and turn. Close the quick-release lever and check it again for tightness.

The disadvantage of carbon as a rim material is its poor heat conductivity. With rim brakes, the heat building up when braking may result in excessive thermal loads on the rim and consequently in the categories freeride, dirt, downhill as well as hardest freeriding, extreme downhill, dirt jump, slope style or very aggressive or extreme riding. Risk of an accident! Therefore, apply the brakes as described in the sections "Before your first ride – Intended use" and "General information on braking".

CLEANING AND CARE

Clean your tyres and SYNCROS wheels with water and a soft cloth at regular intervals. If necessary, use a non-abrasive soap to remove grime. You may add a little cleaning oil to the water. Do not use aggressive cleaning agents, such as acetone, trichloroethylene, etc., as they may damage stickers, the finish or substructure of the material.

While cleaning (16), look for cracks and scratches as well as bent or discoloured components. In case of doubt, contact your SYNCROS dealer. Have any damaged parts replaced at once.

After mounting the SYNCROS wheel on the bike test (24) at standstill as described in the section "Before every ride". Pull the brake lever (in the case of disc brakes several times). To do so lift the bicycle off the ground and spin the tyre. Close the quick-release lever and check it again for tightness.

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After mounting the SYNCROS wheel on the bike test (24) at standstill as described in the section "Before every ride". Pull the brake lever (in the case of disc brakes several times). To do so lift the bicycle off the ground and spin the tyre. Close the quick-release lever and check it again for tightness.

SAFETY INSTRUCTIONS

Check the functioning of the freewheel mechanism at regular intervals and make sure the sprockets run true. For more information see the operating instructions of the hub manufacturer.

For more information on maintaining the bearings and adjusting the bearing play, read the instructions of the hub manufacturer or contact your SYNCROS dealer.

GENERAL NOTES ON MOUNTING

In general, first-time wheel and tyre mounting as well as brake pad replacement are jobs for skilled mechanics and should only be performed by your SYNCROS dealer. Each of the following instructions must be followed strictly. Failure to observe these instructions can lead to component failure, resulting in a severe fall or injuries.

Mounting non-matching components can result in severely reduced function, in the failure of individual components and consequently in a severe fall. We recommend that you use series SYNCROS wheels and series brake pads together, as they are designed to fit and function as an integrated system.

We do not assume responsibility for problems resulting from a component being used in conjunction with incompatible components from another manufacturer. Ask your SYNCROS dealer for advice.

Be sure to check the dimensional accuracy of tyres and rims before mounting. If in doubt, ask your SYNCROS dealer to check the components. They will find out if the fault can be remedied or if the component has to be replaced.

WARNING

Spin both SYNCROS wheels to check whether they run true. In doing so watch the gap between both brake pads. On rim brakes, the rim can be an indication of tyres with cracked sides, broken axles or torn spokes.

Do not use further damaged SYNCROS wheels or component! If you have the slightest doubt, we recommend that you replace the component. Do not use your bicycle until this has been done.

Check the rim attachment of the SYNCROS wheels after 100 to 300 kilometres or after 5 to 10 hours of use and then every 20 hours of use. Improperly mounted SYNCROS wheels may throw you off your bicycle or result in serious accidents!

If you want to replace a tyre, you need to know the dimensions of the old tyre, which are marked on the sidewall of the tyre. There are two designations, the more precise of which is a standardised indication in millimetres. For instance, the number sequence 25-622 means that the tyre is 25 mm wide for fully inflated and has an (inner) diameter of 622 millimetres. The other designation for the same tyre is indicated in inches and reads 28x1.9.

Strictly observe the specifications of the following ETRTO table.

Important: Check the link below for up-to-date compatibility on all new SYNCROS wheels.

WARNING

Treat your tyres well and do not ride over sharp edges! Make sure not to exceed the maximum permissible pressure when inflating your tyre! It might come off the rim or burst during the ride.

Riding with insufficient pressure can lead to pinch flats, also referred to as snake bites, resulting in a damaged inner tube and/or tyre and rim.

SAFETY INSTRUCTIONS

Hand pumps are often unsuitable to inflate tyres to high pressures. Use them only to inflate the tyre to a pressure of 20 or 25 psi. For higher pressures, use a pump with a pressure gauge (5) which enable you to check the pressure at home.

When choosing a tyre, keep in mind that the rim size determines the tyre dimensions. The size of the tyre is indicated on its sidewall.

Use the tyre only according to its intended use. Otherwise it is likely to wear out or fail fairly quickly. Also observe the indications on the different intended purposes in the catalogue of your tyre manufacturer and ask your SYNCROS dealer if in doubt.

WARNING

Mounting a wider tyre than intended may result in the tread dragging along the frame or fork. In extreme cases, the SYNCROS wheel no longer spins freely and locks up – potentially resulting in an accident. Check if the tyre touches the mud-guard, frame or fork when turning. Ask your SYNCROS dealer for advice.

Note that under extreme conditions a wide tyre mounted on a too narrow rim can make the tyre slip off the rim whilst riding. Risk of an accident! Ask your SYNCROS dealer for advice.

Types larger than the series production types mounted by the bicycle manufacturer can result in a too overlap when riding through corners at low speed. In the case of suspension forks bigger tyres can result in a blocked front wheel during compression. Risk of an accident! Ask your SYNCROS dealer for advice.

Mounting and removing SYNCROS wheels

Before mounting or removing the front or rear wheel, read your general bicycle user manual.

Keep in mind that there are various quick-release systems (19) and also a number of thru axles that require specific knowledge on how to use them. In some cases, you may also need specific tools.

Secure attachment of your SYNCROS wheel with typical equipment

Hold the bicycle tight so that it does not topple over.

Open the quick-release. The marking "Open" on the lever should be visible now (20).

Make sure the SYNCROS wheel is in the proper position. For more information see the chapters "SYNCROS wheels and tyre equipment" and "Adjusting the bicycle to the rider" in your general bicycle user manual.

Move the lever back, as if to close. It now you should be able to read "Close" on the lever. In the case of a quick-release, the lever should be visible on the right side. If the lever has no resistance against your hand until the lever is at right angle to the frame/fork (21).

Over the second half of its travel the resistance you feel should increase significantly. Towards the end of its travel you should need very much strength to close the lever. If the lever is not suitable for use on a blocked terrain, it will not pull on an immovable part, such as the fork (22) or the rear stay, but not on a spoke.

In its end position, the lever should be at a right angle to the quick-release axle. It should not stand out. The lever should be close to the frame or the fork so that it is not visible in the side view (23). Make sure, however, the lever is easy to grasp for an actually quick use.

To check whether the lever is securely locked apply pressure to the end of the hand lever and try to turn it while it is closed. If you can turn the lever around, open it and increase the pressure. Screw the tightening nut on the opposite side clockwise by half a turn. Close the quick-release lever and check it again for tightness.

Finally lift the bicycle a few centimetres so that the SYNCROS wheel no longer touches the ground and hit the tyre from above. A securely fastened wheel remains in the axle mounts of frame or fork and will not rattle.

Secure attachment of your SYNCROS wheel with a thru axle

There are many different thru-axle systems. Read the instructions of the bicycle manufacturer or your SYNCROS dealer to explain how the system works.

WARNING

With an insufficiently closed quick-release or thru axle the SYNCROS wheel can come loose. Never ride a bicycle without having checked first whether the SYNCROS wheels are securely fastened (8). Imminent risk of an accident!

When mounting thru axles, never use other tools than those recommended by the manufacturer. Do not exceed the maximum torque value indicated by the manufacturer! If the axle is overtightened, this can damage the axle, fork or frame. Always use a torque wrench where possible.

After mounting the SYNCROS wheel on the bike test (24) at standstill as described in the section "Before every ride". Pull the brake lever (in the case of disc brakes several times). To do so lift the bicycle off the ground and spin the tyre. Close the quick-release lever and check it again for tightness.

The disadvantage of carbon as a rim material is its poor heat conductivity. With rim brakes, the heat building up when braking may result in excessive thermal loads on the rim and consequently in the categories freeride, dirt, downhill as well as hardest freeriding, extreme downhill, dirt jump, slope style or very aggressive or extreme riding. Risk of an accident! Therefore, apply the brakes as described in the sections "Before your first ride – Intended use" and "General information on braking".

Clean your tyres and SYNCROS wheels with water and a soft cloth at regular intervals. If necessary, use a non-abrasive soap to remove grime. You may add a little cleaning oil to the water. Do not use aggressive cleaning agents, such as acetone, trichloroethylene, etc., as they may damage stickers, the finish or substructure of the material.

While cleaning (16), look for cracks and scratches as well as bent or discoloured components. In case of doubt, contact your SYNCROS dealer. Have any damaged parts replaced at once.

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GENERAL INFORMATION ON TYRE EQUIPMENT

Tyres have to be inflated to the correct air pressure in order to work properly. The air pressure range (minimum and maximum permissible pressure) is indicated on the tyre sidewall, on the tyre label and in the SYNCROS wheel card. The minimum pressure is also indicated on the tyre label and on the last centimetres of the tyre. Check the seat of the tyre inside the tyre once again and press the tyre over the rim flange by using the ball of your thumb. If you do not succeed, use plastic tyre levers. Make sure the blunt ends of the levers point towards the inner tube and the inner tube is not damaged. Slide both levers inside and lever the tyre bead over the rim flange (37).

Press the valve into the tyre so that the inner tube does not get caught under the tyre (38). Make sure the valve is upright and not in an oblique position! Inflate the inner tube to the maximum permissible pressure (5). The maximum pressure is indicated on the tyre sidewall (26), on the rim and/or in the SYNCROS wheel card. The lower of both values is applicable.

Check the proper seat of the tyre by means of the indicator line (8) on the tyre side. The distance between the line and the edge of

