

1. INTRODUCTION

Recommendations and instructions for use:

These recommendations are valid subject more restrictive local regulations issued or imposed by the organisers of competitions, rallies or circuits regarding the use of tyres. Non-respect of these recommendations or instructions may lead to the use of incorrect equipment or incorrect assembly, provoking premature wear and tear of the tyre. Use of banked circuits imposes the use of tyres and/or specific conditions of use. Prior to any use, ensure you read the recommendations for use on our website www.michelinmotorsport.com or contact the Michelin department: +33 (0) 4 73 30 14 55.

2. RECOMMENDATIONS

Verification priors to use

The tyre selection must correspond to the vehicle equipment, as defined by the vehicle maker and manufacturer. Ensure that all tyres on the same axle are of the same type (brand, industrial reference, dimensions, structure).

Before mounting, ensure that:

- The diameter of the rim is an exact fit to the inner diameter of the tyre.
- The width of the rim corresponds to that recommended by the manufacturer or, failing that, to applicable standards (ETRTO, TRA, JATMA, etc.)
- The type of rim (tubeless, tube type) corresponds to the type of casing used.
- The rim is in good condition and does not present wear (cracks, deformation, etc.)
- The rim is able to support the required mounting pressure
- The tyres show no reparation mark.
- The valves are in proper condition and if not replace them

3. VALVE

- Respect all instructions provided by the manufacturers (adjustment and compatibility with the rim, type of alloys, dimensions).
- Systematically tighten the polyamide valve cap with a washer (polyamide is used for its thermal resistance qualities). This ensures the valve mechanism is protected and an airtight seal on the assembled tyre.
- Ensure that the valve is in good condition (no ovalisation, no traces of impact, etc.).
- Regularly check the tightening torques on closed valves.
- Only use metal valves (circuit) or rubber valves (rally).

4. TYRE MOUNTING AND REMOVAL

Tyre mounting, removal, inflation and balancing must be done on suitable equipment in good condition. These actions should be entrusted to qualified and trained personnel who will ensure:

- Compliance with manufacturer's rules and legislation governing the selection of tyres.
- Prior examination of the external and internal aspect of the tyre by the fitter.
- Compliance with tyre mounting, removal, balancing and inflation procedures.
- Correct positioning of the tyre on the vehicle (left, right, front, rear).
- correct operating pressure.

Measuring equipment such as pressure gauges, torque wrenches etc. must be calibrated and inspected at least once a year by a certified body or, failing that, by the supplier or manufacturer.

Mounting - Removal:

- Ensure that the mounting equipment is suited to the assembly work. Prior to using the equipment, refer to the manufacturer's user manual.
- Respect the mounting direction for directional tyres
- Lubricate tyre rim seats and casing beads with a suitable product.
- For tube type assemblies (with an air tube), the dimension of the air tube must correspond to that of the tyre (width and diameter) and the rim must be in a suitable condition to house the air tube without damaging it.

Inflation

- Important note: only use inflation equipment intended for that purpose. Under no circumstances should an operator remain in the immediate proximity of a tyre being inflated. Therefore, ensure that the compressed air hose attached to the valve is equipped with a safety clip and that there is sufficient length for the operator to remain beyond the trajectory of flying particles in the event of an incident. Move people not involved in the inflation procedure away from the location where it is carried out.
- Remove the inside of the valve.
- Start inflation and check that tyre beads are properly centred with respect to the rim flange.
- If the beads are incorrectly centred, deflate and start the operation over, including the lubrication.
- Continue inflating to a pressure of 3.5 bars to ensure the beads are correctly in place. For higher pressures, use a protective cage when inflating the tyre.
- Replace the inside of the valve and adjust it to operating pressure.
- Replace the polyamide valve cap with a washer to ensure an airtight seal.

Balancing

- For use on a circuit, it is recommended to balance the four wheels.
- Balancing machines must be calibrated in accordance with manufacturer instructions.
- Pay special attention to the centring devices (cone / screw plate) on the machine.

5. TYRE RETREADS

- Retreading a tyre modifies its characteristics and performance. The operation requires suitable equipment and tools, as well as compliance with instructions.
- Retreading a used tyre (not new) is prohibited.
- Prior to any retreading operation, contact the Michelin department: +33 (0) 4 73 30 14 55.

Reminder: Retreading or regrooving ECE R30-approved tyres, intended for use on public roads, is prohibited.

6. STORAGE AND TRANSPORT

It is important to respect certain important points when storing and transporting tyres, such as minimum temperatures:

Range	Minimum storage temperature	Minimum transport temperature
Slick (Circuit)	10°C	15°C
Rain (Circuit)	5°C	10°C

Moreover, tyres must not be subject to:

- direct and prolonged exposure to sunlight
- sources of heat and humidity (storage in tropical conditions)
- solvents, lubricants, fuels and other chemical products
- Ozone emissions from equipment such as transformers, welding units, electric motors, etc.
- Long term storage in stacks

Non-compliance with these storage recommendations may greatly reduce the period over which the tyre will retain its peak performance.

The storage location must be dry, ventilated, without direct light and used to store tyres only. Racks enabling tyres to be stored vertically should be used to avoid exerting pressure on the casings.

7. TYRE AGING

- Tyres aged even when not used, or if they are only used occasionally. Excessive tyre aging may lead to a loss of grip.
- Withdraw from service any tyres presenting clear signs of aging or fatigue (cracks in the outer tread, shoulder, bead flank, deformation, etc.) If in doubt contact a tyre professional.
- We recommend that Michelin competition tyres be used within 24 months of purchase (within 3 months if stored in severe, tropical-like conditions).

8. MONITORING AND MAINTENANCE

- Check the tyre pressures before each outing and correct the pressure if it does not match the operating pressure. Tyre pressures should be checked when cold (tyres have not been run, not heated).
- Inflation using nitrogen does not dispense you from regular checks of tyre pressures.
- In the event of unusual pressure loss, check the external and internal condition of the tyre and the state of the wheel and valve.
- Any perforations, cuts or visible deformations must be examined closely by a tyre professional. Never use a damaged tyre or one that rolled flat without the intervention of a professional.

9. CONDITIONS OF USE

- Never apply chemical products to the outer tread of the tyre.
- Never use tyres with an unknown past.
- If heating cabinets are used, never bring mounted assemblies into contact with heated metal parts and/or directly exposed to the heat source.
- Ensure that the pressures, camber angles, speed and axle load values comply with Michelin recommendations for the intended use (update recommendations according to use).

Recommendations for standard use are available on www.michelinmotorsport.com or from the Michelin department: +33 (0) 4 73 30 14 55.

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**TYRES NOT APPROVED
FOR STANDARD ROAD USE.
FOR EXCLUSIVE USE ON CIRCUITS
OR IN COMPETITION, IN FULL RESPECT
OF OUR RECOMMENDATIONS.**

To ensure the highest performance possible, Michelin continuously improves its range and reserves the right to make alterations to its products during a season.



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