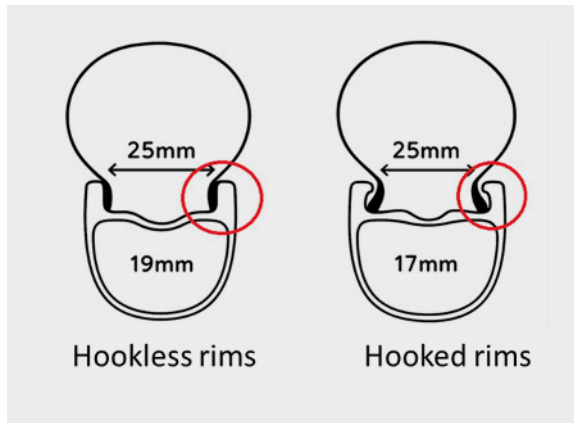


INFORMATION SHEET AND GUIDELINE FOR **HOOKLESS RIMS AND TYRE COMBINATIONS**

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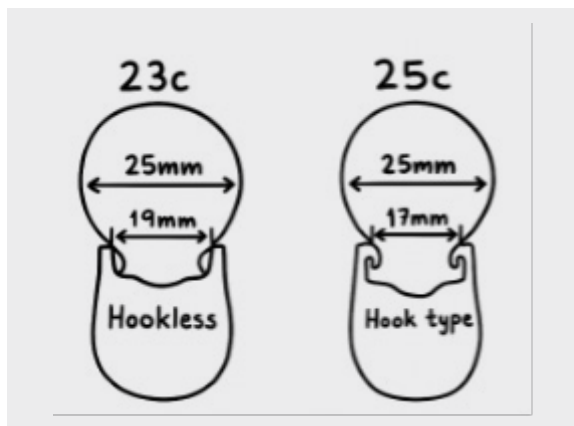
1. WHAT ARE HOOKLESS RIMS AND WHAT ARE THE REASONS TO USE THEM?

Hookless rims don't use the classic design of hooks on the inner edge of the rim. They have straight side walls meaning the tyre must be held in the rim by having a special form on the edge and friction. This means that stability is especially influenced by tyre width, inner width and tyre pressure. A proper combination is essential for safe usage. Their Intended usage is especially designed for Tubeless tyres.



Advantage of a hookless rim:

- Usually, the rims without hooks are lighter compared to hooked rims
- In the case of aerodynamics the straight rim profile can optimize airflow and improve the aerodynamics of the wheels.
- A wider rim profile offers the possibility to use lighter, smaller tyres by having the same width



In conclusion, Hookless rims are mainly used on road and gravel bikes for weight saving, an easier manufacturing process and better aerodynamics. **This means there are some rules to follow for the correct rim and tyre combination and for using the correct maximum pressure.**

2. COMPATIBILITY GUIDELINE AND ETRTO STANDARD

Please ensure that you follow this guideline to use Hookless rims correctly

- **Hookless rims can only be used with tubeless ready tyres**

Standard foldable tyres or wired tyres are **NOT** approved to use. The specified tyres on MERIDA bikes with hookless rims are tubeless ready or approved for the use with the specified rim.

Before changing to other tyres, ensure that the new tyres are tubeless ready. These tyres are usually marked with "TR", "TLR", "TLE".

Hookless rim must be used with tubeless ready tyre, but these can be ridden with tubes or without tubes.

- **Check the compatibility of the manufacturer**

ZIPP has a compatibility list of the approved tyres. Only use these approved tyres for the ZIPP wheelsets: [Zipp Hookless tyre Compatibility](#)

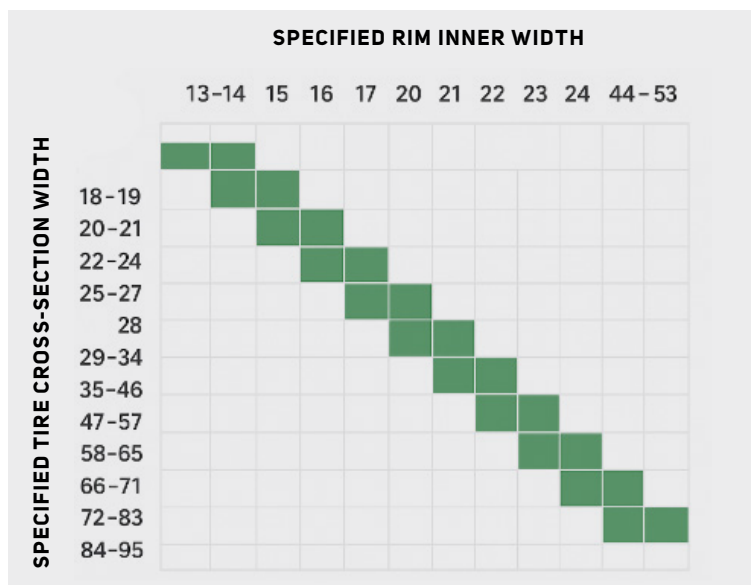
- **Maximum tyre pressure**

The maximum tyre pressure is defined by the rim manufacturer. Do **NOT** use a higher tyre pressure than that recommended by the manufacturer on the rim.

If the maximum tyre pressure stated on the tyre is lower than the maximum pressure stated on the rim comply with the lower value.

- **The rim inner width must fit to the tyre width**

Please only use tyres and tyre widths which are an approved combination of the rim manufacturer. If there is no guideline from the rim manufacturer follow the ETRTO-Standard.



The ETRTO (European Tyre and Rim Technical Organisation) is an organisation that publishes recommendations on standards for tyres and rims in Europe.

- **Check the tyre pressure**

Please check the correct tyre pressure in advance of every ride. If you have changed to a new tyre please check if the tubeless set-up or inner tube holds the pressure correctly

Note: Only use approved tyre/rim combinations, check the proper fit of the tyre, and only use the recommended tyre pressure of the rim manufacturer.

3. WHICH MERIDA BIKES USE HOOKLESS MERIDA RIMS IN MY25/MY26?

The following MERIDA MY25 models use the **MERIDA EXPERT CC rim with 23mm inner width**:

- SCULTURA ENDURANCE GR 5000
- SCULTURA ENDURANCE GR 500

The following MERIDA MY25 models use the **MERIDA EXPERT SL II rim with 23mm inner width**:

- SCULTURA ENDURANCE 6000
- SCULTURA ENDURANCE 4000
- SCULTURA ENDURANCE 400
- SCULTURA ENDURANCE 300
- SILEX 4000
- SILEX 400

The MERIDA EXPERT SL II and MERIDA EXPERT CC rims are approved for the use with:

- tube-type tyre (only specified Maxxis Detonator)
- all tubeless-ready tyres
- full tubeless tyre set-up

Please follow the correct type pressure for the combination of tyre and rim width (see next chapter).

The following MERIDA MY25 and MY26 models use **branded wheelsets with hookless rims**.

Please refer to the instruction manual of the wheelset manufacturer.

- SCULTURA 10K
- MISSION 10K
- MISSION 9000
- BIG.NINE 10K
- BIG.NINE TR 8000
- NINETY-SIX 9000

4. CORRECT TYRE PRESSURE FOR MERIDA RIMS

Please see the correct tyre pressure in the following chart for MERIDA EXPERT SL II and MERIDA EXPERT CC. If the correct tyre pressure is not marked on the rim decal, refer to the chart below.

TYRE WIDTH (MM)	RIM WIDTH EXPERT SL II / EXPERT CC (MM)	MAXIMUM TYRE PRESSURE (BAR)	MAXIMUM TYRE PRESSURE (PSI)
28	23	5,5	80
30	23	5,2	75
32	23	5,2	75
36	23	5	73
38	23	5	73
42	23	5	73
44	23	5	73
48	23	4,5	65
53	23	4,1	60



MERIDA.com

MERIDA INDUSTRY CO., LTD.

P.O. Box 56, Yuanlin Taiwan R.O.C.
Tel.: +886-4-8526171 Fax: +886-4-8527881



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