

CyberDisc 339 Clincher

Hookless tubeless ready rim

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HUBS MAINTENANCE

Refer to CyberFront SPD-3 and CyberRear SPD-3 owner manuals

IMPORTANT SAFETY NOTES

Tape/Flap Thickness on both Tubeless & Classic Tube assemblies.

Road clinchers tire manufacturers haven't reached a common standard of wire-beading / tubeless diameter yet. Thereafter any kind of tire assembly requires a certain thickness of sealant Tape (or protective flap). The tape thickness (or flap thickness) plays an extremely important role on keeping the tire safely onto the rim. Tape application and tire installation should be carefully executed by a professional mechanic who has to evaluate if that specific tire model fits correctly onto the rim bead and eventually has to tune properly the tape thickness. A loose tire can get off the rim while riding whilst a too tight tire is difficult to get properly installed. The correct combination depends on the correct tape thickness that optimizes final bead diameter of the rim for the inner diameter of that specific tire. (Additionally see list of tested tires on next page)

TUBELESS SEALANT TAPE

Minimum requirement: 2 full wraps of 0.15mm thick tubeless tape, width 21-22mm. You may have to apply one or more turn of 0.15mm sealant tape, depending on the fitting of your specific tire model. Correctly tune tape thickness to achieve a sufficiently tight fitting between tire and rim. For safety reasons sealant tape installation is necessary also with inner tube.

TIRE BEADING

Carefully lube with soapy water the full circle @360° of both rim and tire.

Install tire, if necessary use specific plastic pliers but never use metal levers (these may easily break the rim).

Inflate to 3 Bar (40psi) and wait few minutes till tire starts to sit on the rim bead partially. The complete beading may require up to 5Bar (70psi).

MAX beading pressure 5.5 BAR do not exceed it!

CyberDisc 339 Clincher accept tubeless/hookless 700C tyres (with or without inner tube). Tyre width range: C25-C28-C32

Tire size	Max Pressure	
C25	6 Bar	87 PSI
C28	5.5 Bar	80 PSI
C32	4.5 Bar	65 PSI

SPOKE REPLACEMENT / TENSION

After intensive use the wheels spokes may need retensioning and eventually an entire retruing. The operation above requires the following tools and must be executed by a skilled wheel-builder:

- Megalite/Hyperlite spoke holder (equivalent to DT TTSXXXXR05641S - red)
- DSN 3.25mm square socket tool (insert it from rim chamber)
- 3.25mm semi-closed square tool (outer side, for emergency use only)

Maximum spoke tension:

Front disc side 120 Kgf
Rear drive side 130 Kgf

WARNING

Correctly tune tape thickness
Never use metal levers
Lube with soapy water
MAX beading pressure 5 BAR
The violent shock caused by tyre beading can seriously damage carbon fiber structure.
Most rim damages are caused by excessive air pressure during beading process.
This kind of damage is NOT covered by warranty.



IMPORTANT SAFETY NOTES

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The amount of tape (or flap thickness) plays an extremely important role. **A loose tyre can get off the rim** and that's all depending on the ratio between inner tyre diameter / final bead diameter.
Tubeless Tape requirements: width 21-22mm - thickness 0.15mm.
Minimum wraps: 2 full turns.
Max tyre pressure: (C25mm 6 Bar - 95 Psi) (C28mm 5.5 Bar - 80 Psi) (C32mm 4.5 Bar - 65 Psi)
See list of compatible tyres.

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TUBELESS TIRE TESTING

The following tire models have been successfully tested with hookless-tubeless rim.

Due to the different production tolerances of each manufacturer it's always necessary to check tire-to-wheel fitting of each individual assembly. The operation requires a specific expertise and is a necessary measure for the rider safety.

Bontrager R3 TLR Hard Case Lite TLR –24 26 28mm
Bontrager AW2 Hard Case Lite TLR –28mm
Cadex Race TL – 25mm
Giant Fondo 1 Tubeless - 28 32mm
Giant Gavia AC 0 Kevlar Tubeless –28mm
Giant Gavia AC 1 TLC Tubeless –28mm
Giant Race 1 TLC Tubeless – 28mm
Goodyear Eagle All-Season – 28 30 32mm
Hutchinson Fusion 5 Performance Storm TR – 25mm
Hutchinson Sector – 28mm
IRC Formula Tubeless Light – 25 28 mm
IRC Formula Pro Tubeless RBCC – 28mm
IRC Formula Pro Tubeless Light – 28mm
Kenda Valkyrie – 28mm
Kenda Valkyrie Pro TLR – 30mm
Mavic Yksion Elite Allroad UST – 30mm
Maxxis Padrone TR – 25mm
Maxxis Padrone – 28mm
Maxxis Re-Fuse – 32mm
Panaracer Gravel King TLC Folding/Semi/Slick – 32mm

Schwalbe One TLE 25 28-622
Schwalbe Pro One TLE 25 28-622
Schwalbe Pro One TT TLE 25 28-622
Schwalbe G-One Speed – 30-622
Specialized Sworks Turbo Rapidair – 26mm
Specialized Turbo RapidAir (2020) –28mm
Specialized Roubaix Pro 2Bliss Ready – 30/32mm
Teravail Rampart All-Road Durable TR– 28 32mm
Teravail Rampart All-Road Light/Supple TR – 28mm
Teravail Rampart All-Road Light/SuppleTR (black sidewall only) – 32mm
Veloflex Corsa EVO TRL 25mm
Vittoria Rubino Pro TLC – 28 30mm
WTB Exposure – 30 32mm
Zipp Tangente RT28 – 28mm

Tyres not-suitable for hookless-tubeless application.

Continental GP5000 TL – 25-28mm (extremely difficult installation)
Hutchinson Fusion 5 All Season Storm TR – 25mm
Hutchinson Fusion 5 Performance 11Storm – 28mm
Hutchinson Fusion 5 All Season 11Storm – 28mm
Hutchinson Sector 32 – 32mm
Mavic Yksion Pro UST – 28mm
Specialized Sworks Turbo Gripton – 26mm
Specialized S-Works Turbo 2Bliss Ready – 28mm
Teravail Rampart All-Road Light/Supple TR (Tan Sidewall) – 32mm

The lists of compatible and non-compatible tyre models are not intended to be complete nor exhaustive and are subject to revision and modification.