

**FREE
SPEED
HERE**



First up,

OUR WARNING!

Incorrect maintenance or handling may increase the risk of injury!

- Read and follow appropriate guidelines for installing, maintaining and riding your wheels, including all advice provided in this manual.
- Dismantling, tampering, or replacing components is at the sole risk of the user.
- Careless installation, maintenance, or operation can result in serious injury or damage.
- Follow all guidelines provided by the applicable tyre manufacturer including correct tyre pressure and rotation direction.
- NS Carbon and its Distributors do not accept any responsibility for damage or personal injury resulting from the use of this product. Sorry!
- If you are unsure, contact us or a qualified person for service related questions - we are here to help!



WELCOME TO THE FAMILY

To our rider,

Thank you for joining!

Like you, we are passionate about cycling, and passionate about always doing things better.

We are here because we want to make the sport of cycling greater, and make carbon wheels (free speed) more accessible to all.

We hope your new wheels feel right at home and you are out riding on them soon. By purchasing we consider you part of the Negative Split story - you ride with us!

If you enjoy our wheels and what we are all about, then please share the word. Tell your friends and family, and stay in touch with us on Instagram. If you give away or sell these wheels, let us know and we can carry on the journey with their next owner.

Happy riding and thanks again!

The Negative Split Carbon team

W: [nscarbon.com](https://www.nscarbon.com).

IG: [@nscarbon](https://www.instagram.com/nscarbon)



SET UP FOR SUCCESS

Follow these steps to set up your new wheels. If you are unfamiliar with any steps, it may be best to consult a local expert.

1. SPOKES

Check the spoke tension is correct. Look for loose spokes - gently squeeze two spokes at a time with one hand and feel for significant differences in tension.*

3. BRAKES

Replace your brake pads with carbon specific pads if using rim brake, otherwise install or transfer your disc rotors. You'll need either an allen key (rim brake), locking tool (centrelock rotor) or other wrench (6-bolt rotor.) We recommend DT Swiss SwissStop carbon pads.

5. TUBES & TYRES

Install tubes and tyres (or go tubeless). Tyres need to be installed in their indicated direction of rotation. Only use plastic levers, and only when necessary. If you're going tubeless, you'll need a tubeless set up kit (sealant, rim tape and special valve stems)

7. MOUNT

Mount the wheels. Use the skewers (supplied) or your bike's thru axles to secure the wheels and make sure they spin perfectly.

2. CASSETTE

Apply a small amount of bicycle grease to the splines on the freehub body. Transfer your cassette or install your new one - you'll need a cassette tool and possibly a chain whip (cassette removal only). Install the supplied spacer first for 9 or 10 speed cassettes.

4. VALVE EXTENDERS

Install the supplied valve extender/s if required. If air leaks, read our article on how to install valve extenders on our blog.

6. BRAKE CALIPERS

Open up the brake calipers and centre the wheels within the frame and fork.

8. LET US RIDE

Close your brake calipers and pump your tyres (check the recommended pressure for each wheel on our website.)

Test the function of your brakes and gears.

You're good to go!

*NSC will always check the tension of your wheels right before delivery - but you should always double check before your first ride.





Jared Hartshorn

CARE FOR THESE WHEELS

SPOKES

1. Check spoke tension before installing your wheels and after your first ride - they often bed in after your first ride.
2. If you experience an impact, thoroughly inspect your wheels, as well as re-check that your wheels spin perfectly and there are no rotation anomalies.

HUBS

1. Don't pressure wash your hubs - water could get into the bearings.
2. Check your freehub - if you notice any unusual sound or movement, the bearings may need to be serviced or replaced. Note that DT Swiss hubs easily dismantle when not installed on a bike.



BRAKING

1. Ensure brake pads are carbon-specific, replace them when they are worn.
2. Clean the rim braking surface or rotors - mild soap and water every 3-4 months or when there is visible debris. Dry rotors with a soft cloth.
3. Distribute braking force as evenly as possible between your front and rear brakes, avoid prolonged braking such as dragging your brakes. Use shorter, more powerful periods of braking, allowing heat to dissipate between braking periods (specific to rim brake.)
4. It's normal for carbon brakes to be noisier than standard brakes when under load.

NIPPLES

Lubricate spoke nipples infrequently (or everytime you are caught in the rain) with a petroleum based oil product to prevent corrosion. Corrosion can cause the nipple and spoke to fuse. In coastal towns particularly, corrosion is rampant!

CARE FOR THESE WHEELS

TYRES

1. When you change your tyres, re-inspect your wheels for trueness and spoke tension.
2. When installing and removing tyres, use tyre levers as a last resort. Never use metal levers, screw drivers, kitchen knives or any object other than a plastic tyre lever.
3. Remove sealant from tubeless set ups with alcohol or acetone.
4. Don't ride on flat tyres, this will ruin the wheel - the rim could delaminate, chip or crack. Same goes for tyre inflation, check the pressure is correct to avoid the rim ever making contact with ground.

STORAGE

1. Store your wheels in a dry location away from direct sunlight, as UV light can discolour resin over time.
2. When securing a bicycle with carbon wheels on a car rack, be sure not to use straps that can chafe and cut into the rim - particularly important for deep profile rims.



We pride ourselves of having one of the most comprehensive frequently asked question (FAQs) sections in the industry, if you have any questions about carbon wheels this a good place to start:

nscarbon.com/pages/learn



YOUR PERFORMANCE

Free speed comes as a result of applying your current power to a lighter and more aerodynamic setup - an increase in speed while maintaining the same power output.

Reducing weight and increasing aerodynamics — through both rider style and cycling setup — all contribute to saving time in a race against the clock.

Aerodynamically optimising your position on the bike will let you cut through air faster, so if you are after speed, this needs to be front of mind ahead of bike setup and component selection. Getting this right will allow you to truly capture the full benefits of riding carbon wheels.

The objective matters too — for hills, varied conditions and general road riding, smaller profiles suit better, such as NS 38 or NS 50.

For fast and flat, time trial conditions or triathlon, aerodynamics are your friend. NS 60, NS 88, NS Disc and NS Tri-Spoke are your way to go.



Jake Hendrickx

Canterbury High Country gravel



WHO IS NEGATIVE SPLIT?

We aspire to be the most accessible carbon wheel brand - 'Accessible' to us means **approachable, affordable,** and **convenient** for our customers, while being **insightful and adaptive** to support our whole cycling community.

'Underdogs'. We like that word. We call ourselves the underdogs of the bicycle carbon wheel industry. No one knew us, we were not expected, you might have thought we lack experience and credibility, that we were too small, unable to innovate, were too cheap, were no good.

Instead, we're bold, we're dreamers. We question and challenge, and we push, we push the limits of what's possible. And keep pushing, relentless, persevering - until we negative split.

Then, and only then, it might happen.

'The underdog is underdog no more'

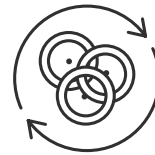
The inspiration for this statement comes from those athletes who against all odds, raise and become the best in their field. It takes an underdog to change the game.



New Zealand based, bringing carbon to the world.



Creating a fairer deal for riders since our beginnings in 2018.



The interactive option – Rentals and trials, product circularity, setup support and expert advice.



Its our sport too. We are passionate cyclists, racers, and adventurers like you.



OUR LINEUP

GRAVEL



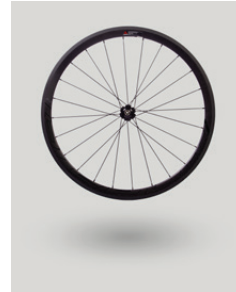
NS HOST
700c
35mm DEPTH
30mm EXTERNAL WIDTH

XC MTB



NS FREEBLAST
27.5" & 29"
23.5mm DEPTH
30mm EXTERNAL WIDTH

ROAD / TRI



NS 38
38mm DEPTH
25mm EXTERNAL WIDTH



NS 50
50mm DEPTH
25mm EXTERNAL WIDTH



NS 60
60mm DEPTH
25mm EXTERNAL WIDTH



NS 88
88mm DEPTH
25mm EXTERNAL WIDTH



NS TRI SPOKE
70mm DEPTH
22.4mm EXTERNAL WIDTH



NS DISC
22.4 - 25mm EXTERNAL WIDTH





NSC Wheel Case
available at nscarbon.com

**LET
US
RIDE**

Something not right? We're always listening and learning — tell us
what you think we need to know — contact us via nscarbon.com

(-)SPLIT

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