LILIENTHAL

CARBON RIMS AND WHEELSETS

CUSTOM HIGH-END MANUFACTURING
LIGHTWEIGHT & ROBUST

CERTIFIED PRODUCTION
MADE IN GERMANY

PROVEN IN COMPETITION,
DURABLE & RELIABLE



CATALOG 2026

LILIENTHAL CARBON RIMS AND WHEELSETS - CONTENTS



INNOVATION FROM AEROSPACE TECHNOLOGY FOR CYCLING

Made in Germany

Certified and proven in competition

Durable and reliable

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THE PERFECT WHEELSET WITH LILIENTHAL CARBON RIMS

Innovation from aerospace technology for cycling.

Lilienthal is synonymous with top-of-the-line ultralight carbon wheelsets. Designed and manufactured in Braunschweig, inspired by aviation for maximum performance in every application.





CARBONRIMS IN THE MANUFACTURING QUALITY LIKE AIRCRAFT CONSTRUCTION

Our roots lie in aerospace technology. Drawing on our many years of experience and research including work at the German Aerospace Center (DLR) we have developed a unique manufacturing process that combines highest precision with efficiency.

The products are manufactured from dry carbon fiber material using a proprietary process that combines continuous processing with RTM technology. The result is a product that is lightweight, durable, and robust, and that meets all the requirements for MTB, cross-country, e-bikes, and gravel riding.





Made in Germany

MADE IN GERMANY. CONSCIOUSLY SUSTAINABLE.

Our rims and wheels are manufactured entirely in Braunschweig using modern production processes and precise craftsmanship. This allows us to guarantee **short shipping distances** within Europe and **fast delivery times**!

We combine outstanding performance with responsible manufacturing. By **maximizing material utilization** and employing highly **energy-efficient production** processes, we enable **resource-efficient production**.

FRANK REIMANN *4-time German champion*

„Sure, they're lightweight and look great. But what's always more important to me is sustainability or rather, the environmental footprint of the products I use for sports. The carbon rims are manufactured and laced entirely in Braunschweig."

LILIENTHAL CARBON RIMS MADE IN GERMANY

Our carbon wheelsets set new standards in terms of weight, stability, durability, and precision fit. The combination of state-of-the-art manufacturing technology and traditional craftsmanship results in high-end rims that can withstand even the toughest conditions. They impress with minimal tolerances, optimized material usage, and low scrap rates.

The result: wheel sets that not only excel in extreme durability, minimal weight, and top performance, but are also true visual highlights.





PRODUCTS WITH EXCEPTIONAL PROPERTIES

Our materials and patented manufacturing process make our products truly unique. Developed and manufactured entirely in Braunschweig, our carbon rims offer outstanding product characteristics:

- **100% precision fit**
  Fully enclosed molds ensure the highest quality and minimal tolerances.
- **Extremely lightweight**
  Shaped by the demands of the aviation industry, our rims are very lightweight and high-performance.
- **Strong and durable**
  The high-performance carbon construction makes our rims extremely robust and durable.
- **Produced Sustainably**
  The patented manufacturing process ensures minimal trimming waste.
- **Made in Germany**
  We manufacture exclusively in Braunschweig, in the heart of Germany.
- **Tested in aviation and aerospace applications**
  We use the same material that is also used to manufacture aircraft parts.



TESTED, DRIVEN, PROVEN!

Whether it's MTB, cross-country, e-bike, or gravel: Our products are designed for riders with high standards. Our Lilienthal rims are proving their worth in the most demanding races and on the most beautiful rides around the world. Embark on your next adventure today!

ABSA CAPE EPIC WINNER MIXED 2025

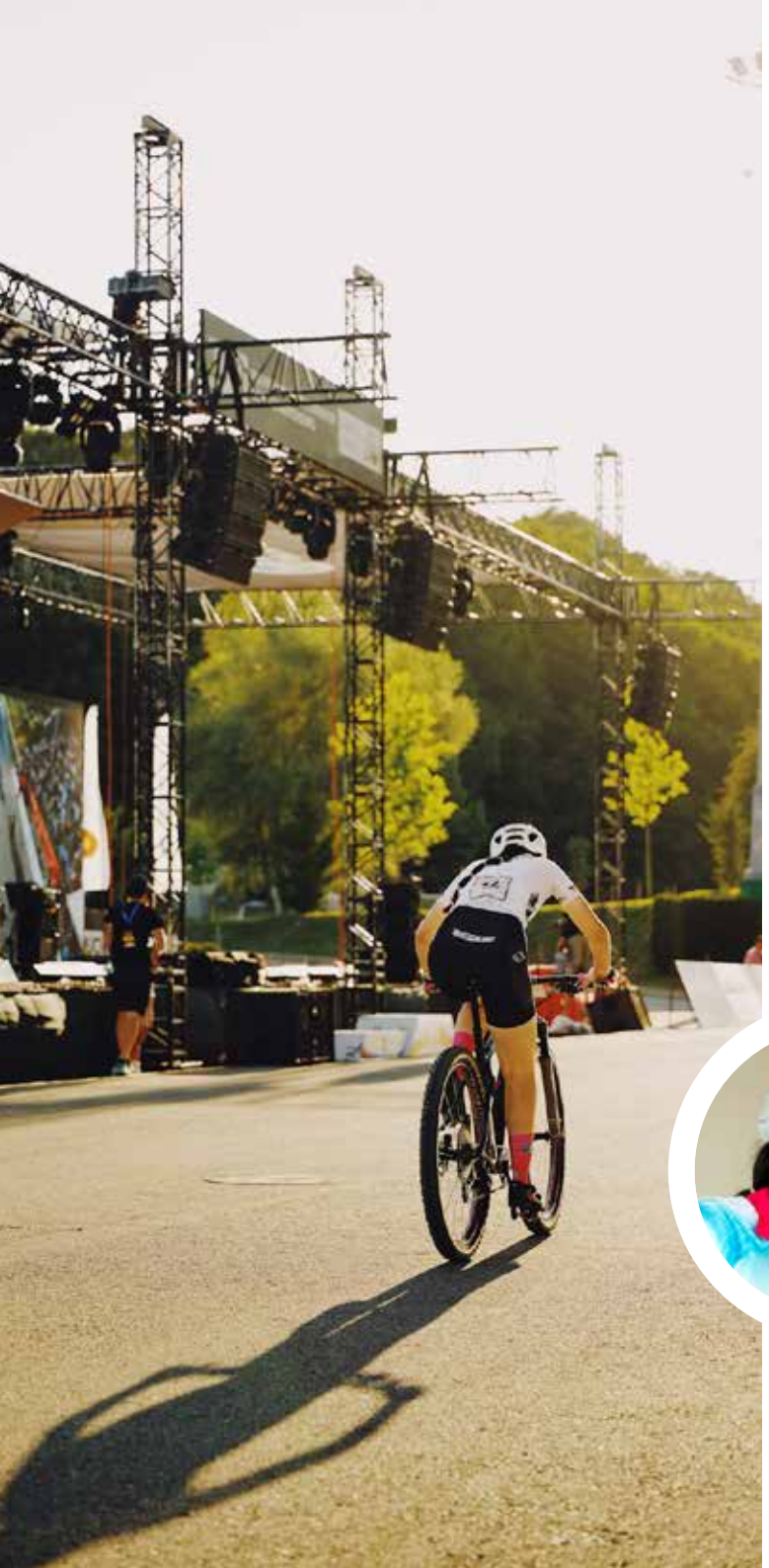
Salzkammergut trophy WINNER 2025

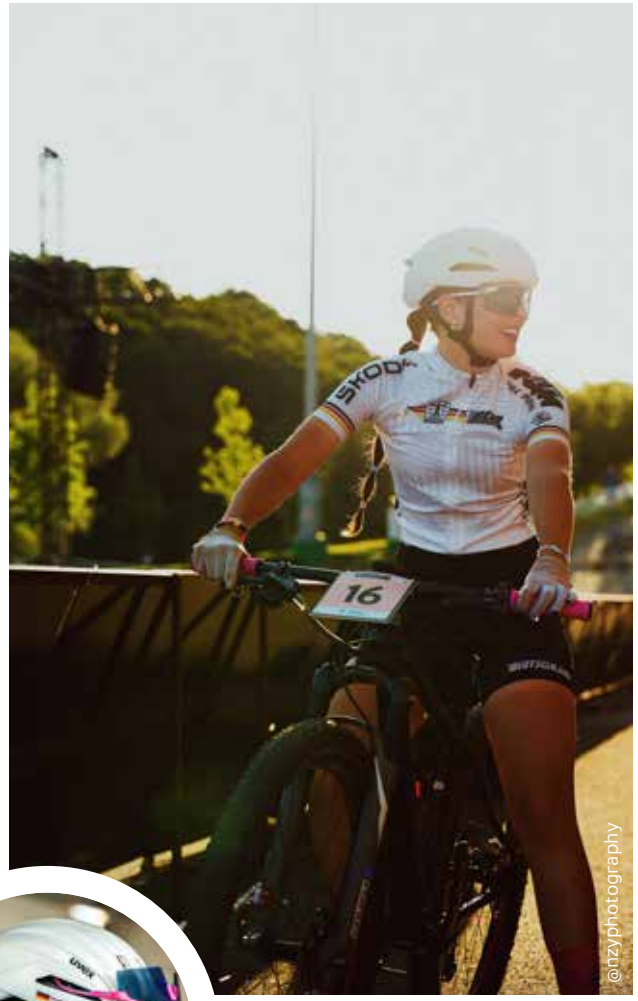
THE UNKNOWN RACE

ATLAS MOUNTAIN RACE Top 5 in 2026

UCI

THE TRAKA 1. Place in 2026 TRAKA 200







HANNAH BECK

Hannah has been competing in international XC Eliminator races for several years. In this action-packed discipline, our XC rims are the right choice for top performance!

Mountainbike-Eliminator
XCE Specialist



"I travel to my races without a team and have to rely on myself, that's exactly why reliability and trust in my equipment are extremely important to me and why I love my Lilienthal wheelset."

QUALITY-TESTED & CERTIFIED

Lilienthal wheelsets and carbon rims have been extensively tested and inspected: In addition to recognized and standardized testing procedures that our products have successfully passed, real-world performance on the track and in races speaks for itself: Lilienthal products are durable and exceptionally robust!



HIGHEST QUALITY STANDARDS

Working with carbon rims requires care and technical skill of the wheel builder. This is the only way to guarantee optimal power transfer between the rim and hub, as well as high lateral stiffness for precise cornering.

Every wheel set is hand-built by us or one of our qualified partners. Thanks to careful truing, your wheels spin perfectly round, and the consistently high spoke tension, which reduces the need for frequent re-truing, ensures top performance and maximum riding enjoyment. This high-quality craftsmanship applies to all wheel sets we offer.



CONSCIOUSLY SUSTAINABLE

Our unique manufacturing process ensures minimal material waste and, as a result, less waste overall. Semi-automated processes and sensor-based process monitoring ensure the lowest possible scrap rates and the very best quality.



SUCCESSFUL ON THE TRACK: THESE PROS RELY ON LILIENTHAL!



Austrian National Coach

PHILIPP BACHL

Philipp is the national coach for women's cycling and works as a coach and sports scientist with athletes on an international level. He combines scientific precision with practical racing experience. As part of a mixed team, he and his wife, Theresa Rindler-Bachl, won the 2025 Absa Cape Epic on Lilienthal XC rims: 8 days and 16,000 meters of elevation gain are the ultimate test of endurance.

bachelotelli



Racing Cyclist & Student

HANNAH BECK

Starting out in cross-country, Hannah has been competing in XC Eliminator races since 2022. In this action-packed and thrilling XC discipline, she has been pushing herself and our carbon rims to the limits ever since. When Hannah isn't competing for a spot on the podium, she loves nothing more than to enjoy the freedom and views that her local trail network around Freiburg offers her.

hannah.beckii



Ultra-Endurance-Athlete

THOMAS BOURY

Thomas has turned his passion into a career: As an independent athlete and freelance content editor, he combines long-distance cycling with storytelling. Over distances of more than 1,000 kilometers, he seeks not only a physical challenge but also answers to the question of "why." For him, ultra-cycling is a journey with ups and downs that requires resilience, adaptability, and self-reflection.

totosupertramp



Gravel- & Ultracycling-Adventurer

NORA BATTERMANN

Nora is a passionate gravel rider, ultra-cycling enthusiast, and bikepacking fan who loves to embark on adventures over long distances and on challenging terrain. She tests her gear where it's put to the test: on rough trails, at high altitudes, and during long-distance races. Her combination of a love of performance, curiosity, and composure makes her the ideal rider for our Lilienthal GX.

fortunata_outdoors



German Champion & Cross Triathlete

FRANK REIMANN

The multiple German cross triathlon champion from Lüneburg has stood on the podium at World and European Championships and has completed the Ironman Hawaii six times. His strengths: endurance, experience, and control on rough terrain. With his focus on practicing the sport in an environmentally sustainable way, he relies on Lilienthal carbon wheels made in Germany.

reimann789

LILIENTHAL



„The Lilienthal GX rim is far more than just a wheel component—it allows me to test my limits and reach my full potential. This perfect combination of performance, versatility, and technical finesse makes it an indispensable part of my race setup and, in my opinion, a MUST-HAVE for any gravel enthusiast who values quality and technical excellence."

Theresa Rindler-Bachl

Bicycle Pro
Megamo Gravel Racing Team

ABSA CAPE EPIC WINNER MIXED 2025

Victory with Lilienthal! Theresa and Philipp take the win at the 2025 Absa Cape Epic in South Africa! 8 days, 700 kilometers, and a total of 16,000 meters of elevation gain against a breathtaking backdrop—the ultimate test of endurance for athletes and equipment. The "Lilienthal Epic XC" wheelset, designed specifically for the race, reliably carried the winning duo to the finish line!

THIS IS WHERE DESIGN, CRAFTSMANSHIP, AND PERSONALIZATION COME TOGETHER

All of our products are customizable! In addition to our pre-configured wheelsets, you can have us build a wheelset tailored to your personal preferences and needs. We offer many options to customize the design of your rim to match your style and your bike. Freely choose components such as the **hub**, **spokes**, and **spoke nipples**, as well as the color of the **decals**, **valve cap stickers**, or **carbon design**, to create your perfect wheelset.



A DREAM IN RED

This custom build was created entirely with red components at the customer's request. The Hope hub and rims, featuring red metallic threads, are complemented by custom-made spokes in a matching shade.



BLACK & WHITE

This high-contrast wheel really stands out thanks to its alternating black and white spokes and the simple white decal design, complemented by a valve cap sticker.



LILIENTHAL x PIROPE

The Lilienthal rims pair perfectly with the PiRope textile spokes. This allows for many color combinations, such as the one shown here with black and natural-colored spokes and gold decals.

SELECTED BIKE COMPONENTS THAT MAKE ALL THE DIFFERENCE

To get the most out of our Lilienthal carbon rims, we pair them exclusively with select, high-quality wheel components. We'd be happy to advise you on the perfect components for your specific needs or put together a set featuring your preferred brands. Our experience and the extensive expertise of our wheel builders give us the know-how needed to create the best wheels.



LILIENTHAL x PIROPE

PiRope develops and manufactures textile spokes in the Ore Mountains using the high-tech fiber Vectran. These spokes are braided, heat-treated, and carefully finished by hand. The spokes offer the same stiffness as conventional spokes but weigh significantly less. There are currently twelve color options to choose from.

In addition, thanks to their special material, the spokes provide enhanced vibration damping, resulting in greater material protection and extended riding endurance for the rider.

Both the hub and the rim are adapted to the unique properties of the textile spokes. PiRope hubs are equipped with threads to securely anchor the spokes. Our Lilienthal rims require a customized bore, which we tailor individually to achieve optimal stability and fatigue strength.

PIROPE

THE HEART OF EVERY WHEELSET: THE HUB

As a key component of the wheel, the hub has a significant impact on ride feel, efficiency, and maintenance requirements. Our product line includes carefully selected models for a wide range of applications, from our tried-and-true Lilienthal in-house hubs to the premium hubs from HOPE.





LILIENTHAL STRAIGHTPULL HUB

To complement our Lilienthal rims, we offer our in-house Lilienthal hubs. The Lilienthal straight-pull hubs are at the heart of many of our wheel-sets, and their classic black design blends seamlessly into any wheelset.

They are precision CNC-machined and engineered for low weight and maximum reliability. As a result, they combine direct power transfer with high stiffness and long-lasting performance. The straight-pull design reduces stress peaks on the spokes and ensures a particularly precise riding experience.

LILIENTHAL

LILIENTHAL x HOPE

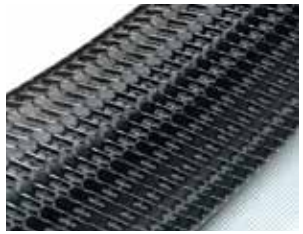
With their high-quality craftsmanship and durable construction, HOPE hubs manufactured in England have been among the most popular components in the MTB and gravel sectors for years. The robust Hope Pro 5 hub features a sealed ratchet system with 54 teeth, redesigned pawl mechanisms made of high-strength steel, and an improved, low-friction two-piece labyrinth seal. The newly designed hub body provides a reliable, resilient foundation for modern wheel systems.

We use HOPE hubs in products such as the Lilienthal Pro5 Trail wheelset; they offer the perfect combination of stability, agility, and light weight for ultimate control and riding enjoyment.

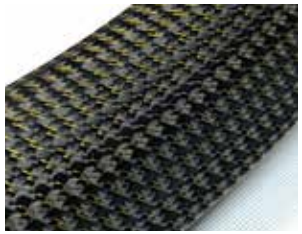
hope

A GLOSSY FINISH FOR YOUR RIMS WITH AN SHIMMERING CARBON DESIGN

Upon request, we offer carbon top layers in various designs featuring colored metal threads in gold, silver, red, blue, and green. The anodized metal threads are woven directly into the carbon and shimmer in their respective colors depending on how the light hits them. Protected and sealed during the manufacturing process, the woven metal threads retain their color permanently. This makes your rims look even more elegant and gives them that special something!



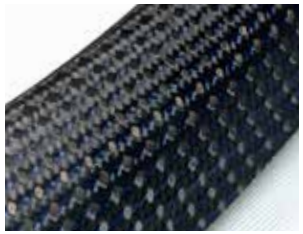
C1 Silber



C2 Gold



C3 Red



C4 Blue



C5 Green

Depending on the viewing angle and the angle of the light, the color intensity may vary.



Red metal threads in the carbon top layer with red decals

LILIENTHAL.BIKE

You can find more examples of our customers' custom wheel configurations on our website and on Instagram! The videos also clearly show the effect of the metal threads!

LILIENTHAL

PRODUCTS

CARBON RIMS

19	XC
20	DC
21	XT
22	GX
23	GX HOOK

WHEELSETS

24	CROSS COUNTRY
28	DOWN COUNTRY
30	ENDURO
34	GRAVEL
38	E-BIKE




CROSS COUNTRY


DOWN COUNTRY


TRAIL & ENDURO


BIKEPACKING


E-BIKE & E-MTB

CARBON WHEEL SETS FOR EVERY APPLICATION

We design and manufacture the perfect carbon wheelset. Discover the world of Lilienthal's ultralight and high-performance carbon wheelsets! We offer high-quality wheelsets and carbon rims designed specifically for demanding riders. Whether you're into **trail & enduro, cross-country, down-country, gravel, bikepacking, e-bikes**, or **e-mountain bikes**, you'll find the perfect wheelset for your next adventure in our catalog and online store.

Our wheels are not only extremely lightweight but also exceptionally sturdy and durable. Thanks to innovative manufacturing methods and high-tech materials, we guarantee you the highest quality "Made in Germany." Benefit from optimized power transfer, outstanding control, and aerodynamic design for an unparalleled riding experience on any terrain.

APPLICATIONS FOR THE RIMS

Not every rim is suitable or approved for all applications and categories. We have designed our Lilienthal carbon rims to be precisely tailored to the specific conditions of their intended applications.

	Cross Country	Down Country	Trail + Enduro	E-MTB	Bikepacking	Gravel
Lilienthal **XC Original**	•					
Lilienthal **XC Epic**	•					
Lilienthal **XC Rope**	•					
Lilienthal **DC Original**		•			•	
Lilienthal **XT Kingdom**			•			
Lilienthal **XT Rope**			•	•		
Lilienthal **GX Original**					•	•
Lilienthal **GX Rope**					•	•
Lilienthal **GX LUX Son**					•	•
Lilienthal **XT Kingdom + E**			•	•		

LILIENTHAL XC

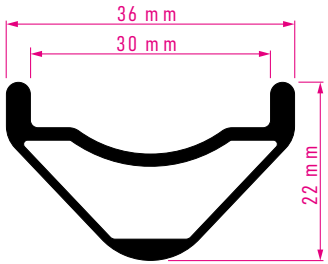
PROPERTIES

Weight

Agility

low *high*

RIM GEOMETRY



CROSS COUNTRY - LIGHT-WEIGHT, FAST, AND POWERFUL

Our Cross Country Carbon Rim is designed specifically for ambitious racers and athletic cyclists. It stands out for its extremely light weight and aerodynamic design, which maximizes speed on any terrain.

Data (27,5“ / 29“)	
Price (MSRP)	**549 €**
Material	NCF carbon fiber
Dimensions	584 mm / 622 mm
Inner rim width	30 mm
Outer rim width	36mm
Rim height	22 mm
Weight	335 g / 350 g
Max. system weight	110 kg
Approval	ASTM 3



WHY LILIENTHAL CROSS COUNTRY RIMS?

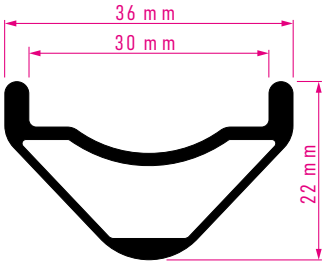
- **Ultra-lightweight construction**
  The perfect balance of weight, stability, and agility.
- **Perfect Power Transfer**
  Efficient climbs and fast sprints
- **Proven in competition**
  Proven to be reliable in races.

LILIENTHAL DC

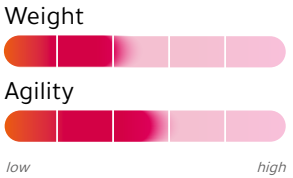
DOWN COUNTRY CARBON RIMS
AGILITY MEETS CONTROL

Our carbon rims are extremely lightweight for quick accelerations, yet sturdy enough for challenging descents. Thanks to their optimized rim width, they offer excellent grip and precise steering.

RIM GEOMETRY



PROPERTIES





WHY LILIENTHAL DOWN COUNTRY RIMS?

- **Optimized rim width**
  Better traction and more control when cornering.
- **Lightweight & Sturdy**
  Maximum efficiency on every trail.
- **Responsive Handling**
  Agility for quick changes in direction.

Data (27,5“ / 29“)	
Price (MSRP)	**549 €**
Material	NCF carbon fiber
Dimensions	584 mm / 622 mm
Inner rim width	30 mm
Outer rim width	36mm
Rim height	22 mm
Weight	365 g / 390 g
Max. system weight	110 kg
Approval	ASTM 3

LILIENTHAL XT

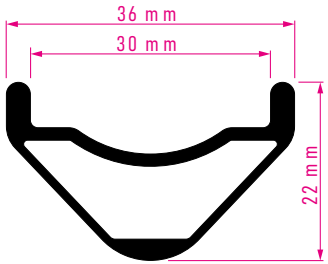
PROPERTIES

Weight

Agility

low *high*

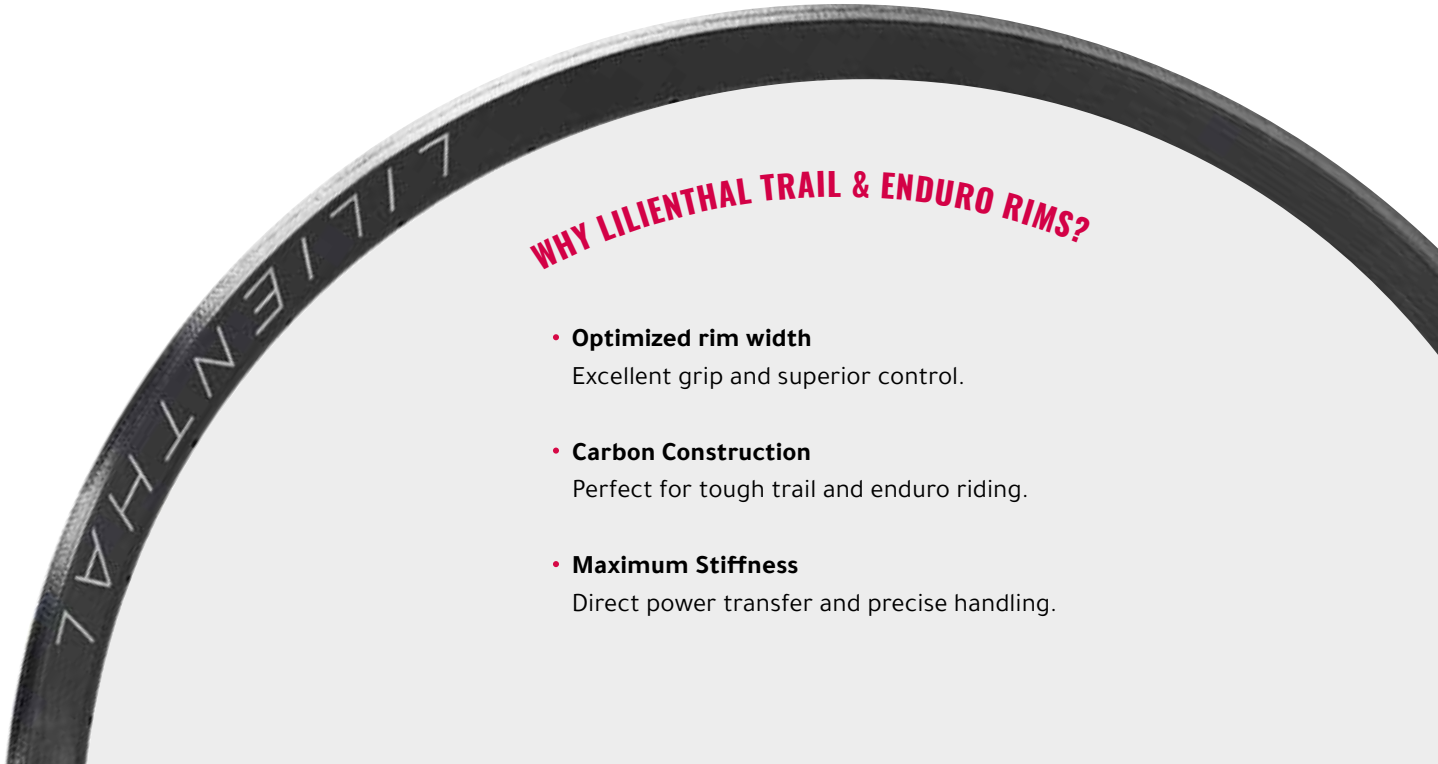
RIM GEOMETRY



TRAIL & ENDURO – DURABLE, LIGHTWEIGHT & RESPONSIVE

The reinforced construction of the carbon rims ensures maximum durability, while their light weight enables precise handling and quick acceleration. Thanks to the optimal rim width, you'll enjoy better traction and secure grip, even in technically challenging corners.

Data (27,5“ / 29“)	
Price (MSRP)	**549 €**
Material	NCF carbon fiber
Dimensions	584 mm / 622 mm
Inner rim width	30 mm
Outer rim width	36mm
Rim height	22 mm
Weight	390 g / 425 g
Max. system weight	130 kg
Approval	ASTM 4



WHY LILIENTHAL TRAIL & ENDURO RIMS?

- **Optimized rim width**
  Excellent grip and superior control.
- **Carbon Construction**
  Perfect for tough trail and enduro riding.
- **Maximum Stiffness**
  Direct power transfer and precise handling.

LILIENTHAL GX

GRAVEL RIMS
PERFORMANCE ON ANY TERRAIN

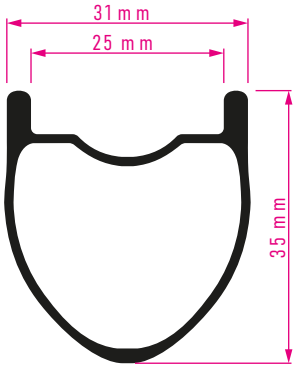
With our Lilienthal Gravel Carbon rims, you'll experience the freedom of biking at the highest level. Whether it's long bikepacking tours, fast rides on gravel trails, or athletic challenges on varied terrain with these gravel rims, you can conquer it all.



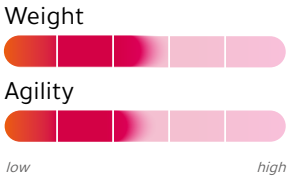
WHY LILIENTHAL GRAVEL RIMS?

- **Vibration dampening design**
  Less fatigue on long rides.
- **High Stability**
  Perfect for long distances on varied terrain.
- **Optimized rim width**
  Better tire performance and more control

RIM GEOMETRY



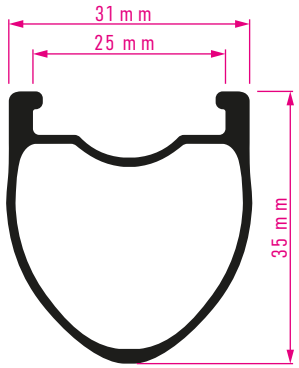
PROPERTIES



Data (28“)	
Price (MSRP)	**549 €**
Material	NCF carbon fiber
Dimensions	622 mm (622-25)
Inner rim width	25 mm
Outer rim width	31mm
Rim height	35 mm
Weight	370 g
Max. system weight	140 kg
Approval	ASTM 2

LILIENTHAL GX Hook

RIM GEOMETRY



MAXIMUM EFFICIENCY FOR LONG TRIPS AND ROUGH TERRAIN

Our gravel rims are available in hooked and hookless versions. Which version is right for you depends on your needs and preferences. Take a look at our overview and choose the version that's right for you.

HOOKLESS

- Better performance with tubeless systems
- Lighter weight and greater impact resistance
- Lower tire pressures are possible, resulting in better comfort and grip
- Better aerodynamics and lower drag thanks to a seamless transition

HOOK

- Mechanical locking of the tire via a classic hook profile
- Maximum safety at very high tire pressures
- Wide tire compatibility
- Improved tire shape, rounder tire for a familiar riding feel

CROSS COUNTRY

LIGHTWEIGHT, FAST & EFFICIENT PERFECT FOR XC RACES

Maximize your performance with our specially designed Lilienthal Cross Country carbon wheelset! Our wheelsets offer the perfect balance of weight, stability, and agility on steep climbs, fast descents, or technically challenging sections. Designed for maximum efficiency, they deliver precise steering, maximum power transfer, and an unparalleled dynamic riding experience.



„Especially on long distances, I need wheels that can handle anything and that I can rely on. The Lilienthal rims haven't let me down so far."

Nora Battermann

Ultracycling adventurer

LILIENTHAL

ORIGINAL XC

The combination of our precision-machined straight-pull hubs and Alpina Ultralite Aero spokes, paired with our XC carbon rim, results in a reliable wheel with efficient power transfer, extremely high lateral stiffness, and low weight.

Our classic model for all XC disciplines, from after-work rides to Eliminator races! With the Lilienthal XC rim, we also officially equipped the winning mixed-gender team at the 2025 ABSA Cape Epic.









MSRP from 1,699 €

RIMS

Lilienthal
XC

HUBS

Lilienthal Straightpull
28 H CL

SPOKES

Alpina Extralite
Aero 14G

TIRE WIDTHS

32 - 55 mm

Data	
Size	29''
Weight	from 1,260 g
Mounting Width	FW 15 x 110 mm RW 12 x 148 mm
Max. System Weight	130 kg
Max. Tire Pressure	3.0 bar
Approval	ASTM 3

LILIENTHAL

EPIC XC

It doesn't get any more epic than this! Specially designed and built for our athletes Theresa Rindler-Bachl and her husband Philipp Bachl to compete in the 2025 Absa Cape Epic. The ultimate test of endurance for both rider and equipment against a breathtaking backdrop: 8 days, 700 km, and 16,000 meters of elevation gain through the wilderness of South Africa. The Austrian gravel champion relies on Lilienthal carbon rims and carbon wheelsets not only during this epic adventure but in every other situation as well.

Weighing in at just 1,230 grams total and built around DT Swiss 240 straight-pull hubs, this carbon wheelset promises you an epic riding experience at a championship level.









MSRP **from 1,999 €**

RIMS

Lilienthal
XC

HUBS

DT SWISS 240
Straightpull

SPOKES

Alpina Ultralight
Aero 14G

TIRE WIDTHS

32 - 55 mm

Data	
Size	29''
Weight	from 1,350 g
Mounting Width	FW 15 x 110 mm RW 12 x 148 mm
Max. System Weight	130 kg
Max. Tire Pressure	3.0 bar
Approval	ASTM 3

LILIENTHAL

ROPE XC

Pure innovation. The combination of our innovative Lilienthal XC carbon rim with woven spokes and a matching hub from Pirope promises an extremely low weight and a unique riding experience with an unparalleled balance of flexibility and stiffness.

The PiRope woven spokes are currently available in 12 colors, which can be requested when placing your order!









MSRP from 2,499 €

RIMS

Lilienthal
XC

HUBS

PiRope Straightpull /
Nonplus

SPOKES

PiRope
Vectran Spokes

TIRE WIDTHS

32 - 55 mm

Data	
Size	29''
Weight	from 1,190 g
Mounting Width	FW 15 x 110 mm RW 12 x 148 mm
Max. System Weight	130 kg
Max. Tire Pressure	3.0 bar
Approval	ASTM 3

DOWN COUNTRY

PERFECT BALANCE FOR CHALLENGING TRAILS

For optimal down-country performance, the wheelset should be as light as possible, shouldn't tire you out, and must be able to handle even unexpectedly rough descents. Our down-country carbon wheelsets combine the best of cross-country and trail riding for riders who demand absolute performance both uphill and downhill.



„Whether it's a steep climb, a rocky descent, or narrow singletrack, the wheels performed flawlessly—no flats or problems—just pure reliability."

Frank Reimann

German Champion

LILIENTHAL

ORIGINAL DC

Built around our in-house, precision-machined straight-pull hubs, this wheelset delivers consistent performance and will reliably take you through any terrain and on any ride. Our classic model for your next down-country adventure!









MSRP **from 1,699 €**

RIMS

Lilienthal
DC

HUBS

Lilienthal Straightpull
28 H CL

SPOKES

Alpina Extralite
Aero 14G

TIRE WIDTHS

32 - 55 mm

Data	
Size	29''
Weight	from 1,400 g
Mounting Width	FW 15 x 110 mm RW 12 x 148 mm
Max. System Weight	130 kg
Max. Tire Pressure	3.0 bar
Approval	ASTM 3

ENDURO

DURABLE, LIGHTWEIGHT & RESPONSIVE IDEAL FOR DEMANDING TERRAIN

Whether it's alpine trail rides, shredding on your home trail and in the park, or your next enduro race: Our Trail & Enduro carbon wheelsets are built for riders who want to get the most out of their bikes on rough descents, steep climbs, or technical sections. With a perfect combination of stability, agility, and light weight, they deliver ultimate control and riding fun on any terrain.



MAXIMUM CONTROL AND DURABILITY

The reinforced construction of the carbon rims ensures maximum durability, while their light weight enables precise handling and quick acceleration. Thanks to the optimal rim width, you'll enjoy better traction and secure grip.

LILIENTHAL

KINGDOM XT

A royal riding experience, even on the roughest trails. Built around the tried-and-true Hope Pro 5 hubs and sturdy Alpina Extralight spokes, you no longer have to worry about whether your wheelset will hold up.



MSRP **from 1,799 €**







RIMS

Lilienthal
XT

HUBS

Hope
Pro 5

SPOKES

Alpina
Extralite 14G

TIRE WIDTHS

32 - 55 mm

Data	
Size	27.5'' / 29'' / Mullet
Weight	from 1,630 g
Mounting Width	FW 15 x 110 mm RW 12 x 148 mm
Max. System Weight	130 kg
Max. Tire Pressure	3.0 bar
Approval	ASTM 4

LILIENTHAL
ROPE XT

Pure innovation. The combination of our ultra-sturdy Lilienthal XT carbon rim with woven spokes and matching hubs from PiRope promises extremely low weight and a unique riding experience with an unparalleled balance of flexibility and stiffness.

PiRope woven spokes are currently available in 12 colors, which can be requested when placing your order!









MSRP from 2,499 €

RIMS
Lilienthal XT

HUBS
PiRope Straightpull / Nonplus

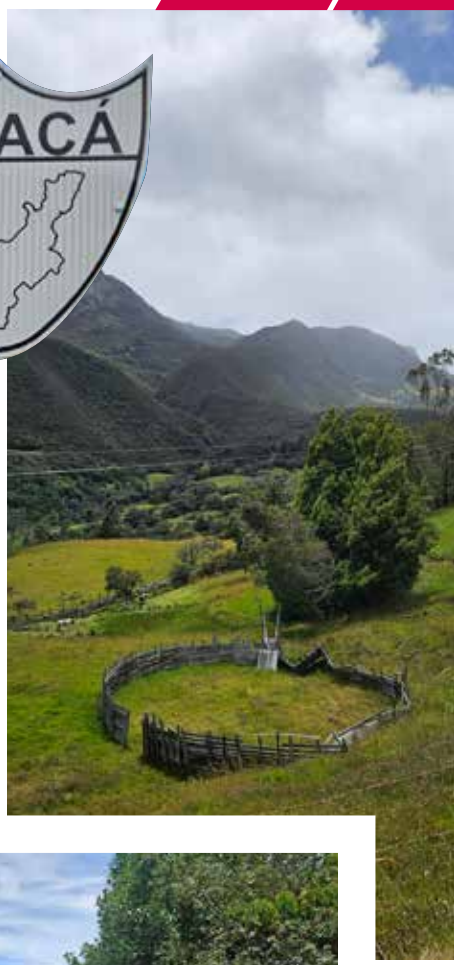
SPOKES
PiRope Vectran Spokes

TIRE WIDTHS
32 - 55 mm

Data	
Size	27.5'' / 29'' / Mullet
Weight	from 1,270 g
Mounting Width	FW 15 x 110 mm RW 12 x 148 mm
Max. System Weight	130 kg
Max. Tire Pressure	3.0 bar
Approval	ASTM 4









OH BOYACÁ!

A pure bikepacking adventure spanning 608 kilometers, full of contrasts and challenges. **Nora Battermann** rode this impressive route in Colombia on Lilienthal carbon rims, off the beaten path and full of tests of endurance. The exertion of steep climbs, rugged descents, river crossings, and misty rainforests was rewarded with unforgettable experiences and spectacular landscapes.



GRAVEL

GRAVEL CARBON WHEELSETS PERFORMANCE ON ANY TERRAIN

Gravel biking is all about freedom, and with Lilienthal Gravel carbon wheels, you'll experience it at the highest level. Whether it's bikepacking, fast gravel trails, or challenging mixed-terrain rides: Our wheels combine low weight, high stability, and noticeable riding comfort. The innovative carbon technology ensures maximum efficiency, excellent vibration damping, and a comfortable, energy-efficient ride.



DURABLE, LIGHTWEIGHT & COMFORTABLE

Our gravel carbon wheels are built for changing conditions. They combine light weight with high stability and roll smoothly over asphalt, gravel, forest trails, and rocky sections. The wide rim design offers optimal tire support, improved traction, and riding comfort, ensuring maximum control even on long rides.

LILIENTHAL

ORIGINAL GX

The Lilienthal GX gravel rim is a masterpiece of German engineering. Thanks to our proprietary manufacturing process, we are able to produce extremely stiff, lightweight, yet robust carbon rims with minimal energy and material consumption.

Combined with our intricately milled straight-pull hubs and Alpina Ultralite Aero spokes, the result is a reliable wheel set with efficient power transfer, very high lateral stiffness, and low weight: everything your bike needs!

The 31 mm rim width allows for lower tire pressures, which further maximizes grip.









MSRP **from 1,699 €**

RIMS

Lilienthal
GX / GX Hook

HUBS

Lilienthal Straightpull
24 H CL

SPOKES

Alpina Ultralite
Aero 14G

TIRE WIDTHS

32 - 55 mm

Data	
Size	28''
Weight	from 1,260 g
Mounting Width	FW 12 x 100 mm RW 12 x 142 mm
Max. System Weight	130 kg
Max. Tire Pressure	4.0 bar at 32 mm 2.4 bar at 55 mm
Approval	ASTM 3

LILIENTHAL

ROPE GX

Innovation for gravel biking. High-tech carbon from the aerospace industry, paired with PiRope's innovative braided spokes and matching hubs, delivers an exceptional riding experience!

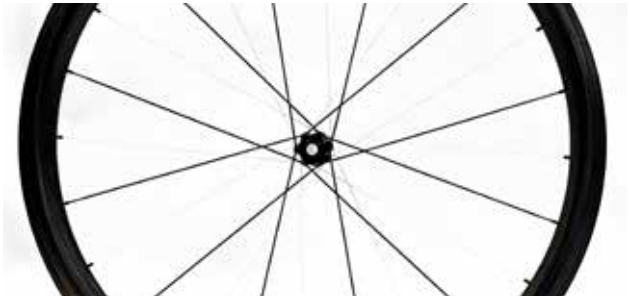
The combination of the extremely stiff Lilienthal GX carbon rims and the unique PiRope woven spokes results in a very direct riding experience, while vibrations are perfectly dampened by the flexible spokes.

PiRope woven spokes are currently available in 12 colors, which can be requested when placing your order!









MSRP **from 2,499 €**

RIMS

Lilienthal
GX / GX Hook

HUBS

PiRope Straightpull /
Nonplus

SPOKES

PiRope
Vectran Spokes

TIRE WIDTHS

32 - 55 mm

Data	
Size	28''
Weight	from 1,200 g
Mounting Width	FW 12 x 100 mm RW 12 x 142 mm
Max. System Weight	130 kg
Max. Tire Pressure	4.0 bar at 32 mm 2.4 bar at 55 mm
Approval	ASTM 2

LILIENTHAL

GX LUX SON 28/29 S

The German manufacturer SON is specialized in hub dynamos and lighting technology for years. The SON 28 is a tried-and-true, reliable hub dynamo that keeps the lights and other electronics on your bike running, even when you're completely out of energy.

Alternatively, we also offer the latest model, the SON 29 S. It weighs just 390 grams, making your wheelset a true lightweight. The SON 29 S's distinctive asymmetrical spoke pattern is available in two versions–24 (16 + 8) and 32 (16 + 16) spokes and immediately catches the eye.

Paired with our proven high-performance carbon gravel rim, the result is an extremely reliable wheelset that won't leave you stranded in the dark! In addition to extended gravel tours, the LUX series is also perfect for bikepacking.









MSRP **from 1,999 €**

RIMS	HUBS	SPOKES	TIRE WIDTHS
Lilienthal GX / GX Hook	SON 28 / 29 S / DT Swiss 350 / Lilienthal	Alpina Ultralite Aero 14G	32 - 55 mm

Data	
Size	28''
Weight	from 1,670 / 1,600 g
Mounting Width	FW 12 x 100/110 mm RW 12 x 142 mm
Max. System Weight	130 kg
Max. Tire Pressure	4.0 bar at 32 mm 2.4 bar at 55 mm
Approval	ASTM 2

E-BIKE

ROBUST, EFFICIENT & DURABLE PERFECT FOR ELECTRIC POWER

Our e-bike and e-MTB carbon wheelsets are specially reinforced to withstand the increased forces generated by motor assistance. The wide and sturdy rim design provides more traction and grip, while the lightweight construction enables precise handling and quick acceleration. Thanks to the optimized aerodynamics, you'll enjoy maximum efficiency and longer battery life ideal for long rides or challenging trails.



BEST PERFORMANCE FOR POWERFUL ACCELERATION

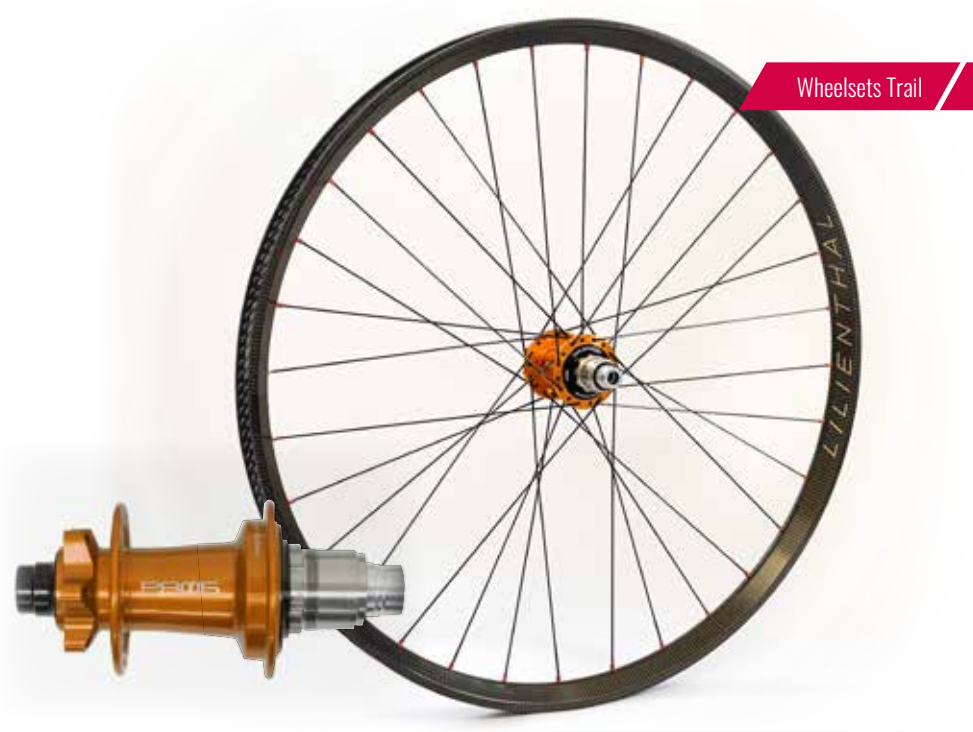
E-bikes and e-mountain bikes open up entirely new possibilities on the trail and in the city. With Lilienthal E-Bike & E-MTB carbon wheelsets, you can unlock the full potential of your electric drive. Designed specifically to handle the higher stresses caused by motor assistance, our wheels offer an unbeatable combination of stiffness, light weight, and direct power transfer.

LILIENTHAL

KINGDOM XT +E

A royal riding experience, even on the roughest trails. Built around the tried-and-true Hope Pro 5 hubs and sturdy Alpina Extralight spokes, you no longer have to worry about whether your wheelset will hold up, no matter how tough the road gets.

Thanks to the e-bike-certified Hope Pro 5 E, you can equip your e-bike with this top-of-the-line wheelset and enjoy every descent carefree!



MSRP from 1,799 €







RIMS

Lilienthal
XT

HUBS

Hope
Pro 5E

SPOKES

Alpina
Extralite 14G

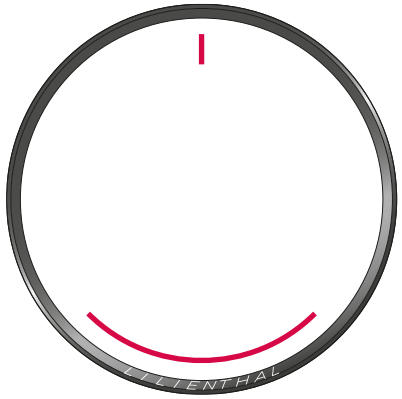
TIRE WIDTHS

32 - 55 mm

Data	
Size	27.5'' / 29'' / Mullet
Weight	from 1,700 g
Mounting Width	FW 15 x 110 mm RW 12 x 148 mm
Max. System Weight	130 kg
Max. Tire Pressure	3.0 bar
Approval	ASTM 4

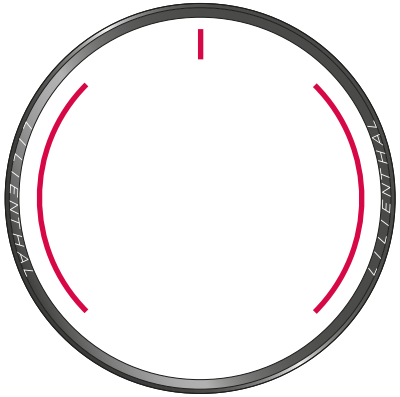
CUSTOMIZATION IS OUR STANDARD
DECAL PLACEMENT & VALVE HOLE STICKERS

To ensure your rims meet your exact expectations and requirements, we let you choose not only the color of your decals but also where they're placed. We also give you the option to decide whether and which style of valve hole sticker is right for your bike.



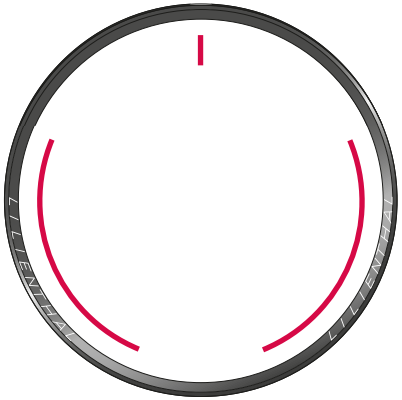
SINGLE DECAL

The most minimalist decal placement is directly across from the valve hole.



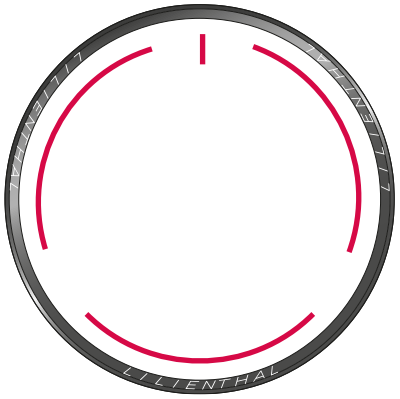
DOUBLE CLASSIC

In the classic version, two decals are placed opposite each other and perpendicular to the valve hole.



DOUBLE DYNAMIC

As an alternative to the Classic, the two decals are applied to the rim at a slight angle.



TRIPLE DECAL

Three Lilienthal decals ensure maximum brand visibility on your rim.

CHOOSE YOUR VALVE HOLE STICKERS

By default, you can choose whether or not to include a valve hole sticker. The color can be white or matched to the decal color, as desired. We're also happy to create custom designs upon request, such as valve hole stickers in national colors for competitions.





DECAL COLORS

Customize your rims to make them unique and reflect your personal style. Choose one of our many decal colors to match your bike.

ORIGINAL


01 Black Glossy


02 Black Matte


03 White Glossy


04 White Reflecting

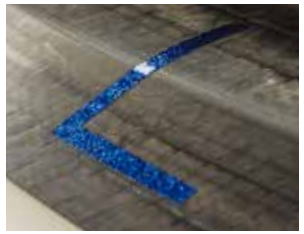
METALLIC

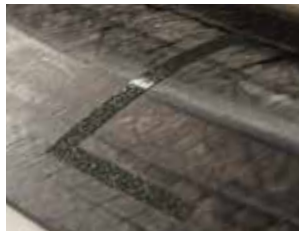

05 Metallic Silver


06 Metallic Pearl


07 Metallic Gold


08 Metallic Bronze


09 Metallic Blue


10 Metallic Anthracite

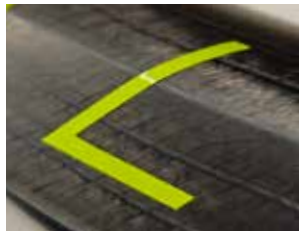
RAINBOW


11 Pink


12 True Violet


13 Vivid Blue


14 Forest Green


15 Light Green

CUSTOM COLOR

Do you have a very specific design in mind for your rims? Then we can make that happen, too. Upon request, we can order special vinyl for decals and create them exactly as you want.

RAINBOW


16 Dark Red


17 Geranium Red


18 Bright Red


19 Mandarin Orange


20 Spring Yellow

Colors may appear different depending on your screen settings or the print output.

LILIENTHAL CARBON RIMS FOR EVERY APPLICATION

Our carbon rims are extremely lightweight for quick accelerations, yet sturdy enough for challenging descents. Thanks to their optimized rim width, they offer excellent grip and precise steering. Find the right rim for your needs!

Product	Category	Width	Height	Rim Width	ERD (mm)	Spoke Tension	Classi-fication	Weight	Size	Price (MSRP)	Item Nr.
Lilienthal XC	Cross Country	36 mm	22 mm	30 mm	560 / 598	max. 1,200 N	ASTM 3	335 g / 350 g	27.5“ / 29“	549 €	1-100100
Lilienthal DC	Down Country	36 mm	22 mm	30 mm	560 / 598	max. 1,200 N	ASTM 3	365 g / 390 g	27.5“ / 29“	549 €	1-200100
Lilienthal XT	Trail/Enduro	36 mm	22 mm	30 mm	560 / 598	max. 1,200 N	ASTM 4	390 g / 425 g	27.5“ / 29“	549 €	1-300100
Lilienthal GX	Gravel	31 mm	35 mm	25 mm	572	max. 1,200 N	ASTM 2	370 g	28“	549 €	1-500100
Lilienthal GX Hook	Gravel	31 mm	35 mm	25 mm	572	max. 1,200 N	ASTM 2	370 g	28“	549 €	1-500200
Carbon Top Layer	Colors: Gold, Silver, Red, Blue, Green							+ 15 g		+ 150 €	1-700100

ASTM CLASSIFICATION

The abbreviation ASTM stands for American Society for Testing and Materials and is used in cycling to define the intended use and maximum load capacity of frames or wheelsets.



Category 1: For paved roads and bike paths. The wheels maintain constant contact with the ground, such as on road bikes.



Category 2: For use on paved and unpaved roads with uneven surfaces such as roots or rocks.



Category 3: For rough terrain. Includes riding on challenging trails, with jumps up to a maximum of 60 cm.



Category 4: For very rough, rocky terrain, steep descents, and jumps up to approximately 120 cm in height at speeds of up to 40 km/h.

BUILDING WHEELSETS IS CRAFTSMANSHIP! FIND YOUR PERFECT CONFIGURATION



It's only through the combination of rims, hubs, and spokes that a wheelset is created that perfectly meets your needs. That's why all our wheelsets are hand-built by experienced wheel-building professionals. The selection of individual components is tailored to your specific application. We offer a wide range of pre-configured wheelsets for a variety of uses, which we've put together based on our many years of experience.

Alternatively, we also offer you the option to fully customize your wheelsets to your personal requirements. All of our products are customizable. Take your wheelset to the next level with Lilienthal technology.

Category	Product	Rims	Hubs	Spokes	Classi-fication	Weight	Price (MSRP)	Item Nr.
Cross Country	Original XC	Lilienthal XC	Lilienthal SP	Alpina UL Aero	ASTM 3	from 1,260 g	from 1,699 €	100111
Cross Country	Epic XC	Lilienthal XC	DT Swiss 240 SP	Alpina UL Aero	ASTM 3	from 1,350 g	from 1,999 €	100141
Cross Country	Rope XC	Lilienthal XC	PiRope SP	PiRope	ASTM 3	from 1,190 g	from 2,499 €	100131
Down Country	Original DC	Lilienthal DC	Lilienthal SP	Alpina Extralite	ASTM 3	from 1,400 g	from 1,699 €	200111
Trail/Enduro	Kingdom XT	Lilienthal XT	Hope Pro 5	Alpina Extralite	ASTM 4	from 1,630 g	from 1,799 €	300111
Trail/Enduro	Rope XT	Lilienthal XT	PiRope SP	PiRope	ASTM 4	from 1,270 g	from 2,499 €	300131
Gravel	Original GX	Lilienthal GX	Lilienthal SP	Alpina UL Aero	ASTM 2	from 1,260 g	from 1,699 €	500111
Gravel	Rope GX	Lilienthal GX	PiRope SP	PiRope	ASTM 2	from 1,200 g	from 2,499 €	500131
Gravel	GX LUX Son 28	Lilienthal GX	SON 28 + DT 350*	Alpina UL Aero	ASTM 2	from 1,670 g	from 1,999 €	600111
Gravel	GX LUX Son 29	Lilienthal GX	SON 29 S + Lilienthal	Alpina UL Aero	ASTM 2	from 1,600 g	from 1,999 €	600121
E-Bike	XT Kingdom +E	Lilienthal XT	Hope Pro 5 E	Alpina Extralite	ASTM 4	from 1,700 g	from 1,799 €	400111
Carbon Top Layer	Colors: Gold, Silver, Red, Blue, Green					+ 30 g	+ 250 €	700111



WE'D BE HAPPY TO ADVISE YOU. CONTACT US!

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