

LILIENTHAL

***CATALOG 2025***

**RIMS and WHEELSETS**

***CUSTOMER***

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# LILIENTHAL Carbonwheels

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## MORE THAN JUST RIMS

Our Lilienthal carbon rims are masterpieces of German engineering.

Thanks to our specially developed and patented manufacturing process, we are able to produce extremely stiff, very light and yet robust carbon rims with low energy and material expenditure.

## AS IF FROM A SINGLE MOULD

Thanks to our highly specialised production process, we can literally manufacture rims in one piece compared to conventional 'patch-laying', thus achieving maximum material integrity and eliminating any interruption in the carbon fibre fabric of the rim.

## ECO-CONSCIOUS CARBON?

We also save a huge amount of energy costs during storage compared to traditional pre-preg processes, as we do not have to cool our semi-finished products.

We also produce only a minimum of waste, as we can mould our semi-finished products to the optimum shape.

## 100% DEVELOPED, DESIGNED AND MANUFACTURED IN GERMANY

From the idea to the finished wheel, every process takes place in our Braunschweig factory and regional value chains. We are a small, dedicated team and are constantly working to improve our products. The fact that our development and production facilities are located in the heart of Germany means that we are always directly accessible to our customers and can respond quickly to problems and suggestions directly on the product.

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**Your LILIENTHAL-Team!**



We have 100% confidence in our products, and more and more top-class professional and amateur athletes rely on our carbon rims and wheels for their pursuit of success.

This is not surprising - because our philosophy of striving for the best possible wheel without compromise and constantly developing our manufacturing process to achieve the best possible result means that we offer passionate athletes a product that is driven by the same spirit as they are.

The year 2025 started with some new athletes and literally epic successes, it fills us with pride and joy to support and equip these athletes in the hunt for the best time, because each of their successes is also a success for us.





Hannah Beck shortly before the race

For two years now, we have been equipping the German World Cup rider Hannah Beck with our Lilienthal XC rims, on which she successfully rides mainly in XC Eliminator races.

Since the beginning of 2025, we have also been supporting the Protective Factory Team with our wheels and rims, including Theresa Rindler-Bachl, Austria's 2024 Gravel Champion. Together with her husband and coach Philipp Bachl, she rode to her first major victory on our rims right at the start of the year: The pair took part in the ABSA Cape Epic 2025 in South Africa together and, after an impressive series of stage wins and placings, confidently won the overall mixed classification on our 'Epic XC' wheelset developed especially for the event.

The ABSA Cape Epic in South Africa is one of the most important international cross-country events of our time and an absolute endurance test for riders and material - 8 days, 700 km and 16,000 metres of altitude in dust, rock and heat.

Just a few months later, Theresa wins Austria's biggest MTB race, the Salzkammergut Trophy, with a mindblowing time of just 11:38:06 and a lead of 12 minutes, proving once again the outstanding performance of the Lilienthal XC Carbon rim.



Theresa on her way to victory in the Salzkammergut



Crosstriathlete Frank Reimann has also been riding the Lilienthal XC and Lilienthal DC since the middle of this year. The multiple German champion now relies on our carbon wheels, manufactured with the highest level of precision craftsmanship, for the defence of his German championship titles in order to be able to fully exploit his potential during the intensive stresses of cross triathlon.

As a wheel manufacturer, we stand behind every single one of our wheels as a whole team, just as our athletes and their teams stand together behind their successes. This connects us inseparably with the spirit of the sport and drives our passion to offer you the best possible product.



Frank Reimann locked-in

Crossing the finish line of the ABSA Cape Epic 2025



# PRODUCT OVERVIEW

Disclaimer: This product catalog and our webshop offer may differ! HERE you will find our current products in their basic configuration. If you are missing a product or configuration in the webshop, simply call us directly. We stand for custom!

## WHEELSETS

| Category       | Product         | Rims          | Hubs                   | Spokes*        | Class  | Weight**     | Price (SRP)  | Art. No. |
|----------------|-----------------|---------------|------------------------|----------------|--------|--------------|--------------|----------|
| Cross Country  | Original XC     | Lilienthal XC | Lilienthal SP          | Alpina UL Aero | ASTM 3 | from 1.290 g | from 1.699 € | 100111   |
| Cross Country  | Rope XC         | Lilienthal XC | PiRope SP              | PiRope         | ASTM 3 | from 1.050 g | from 2.199 € | 100131   |
| Cross Country  | Epic XC         | Lilienthal XC | DT Swiss 240 SP        | Alpina UL Aero | ASTM 3 | from 1.230 g | from 1.799 € | 100141   |
| Down Country   | Original DC     | Lilienthal DC | Lilienthal SP          | Sapim D-Light  | ASTM 3 | from 1.440 g | from 1.499 € | 200111   |
| Trail/Enduro   | Kingdom XT      | Lilienthal XT | Hope Pro 5             | Sapim D-Light  | ASTM 4 | from 1.690 g | from 1.599 € | 300111   |
| Trail/Enduro   | Rope XT         | Lilienthal XT | PiRope SP              | PiRope         | ASTM 4 | from 1.400 g | from 2.099 € | 300131   |
| E-Bike/Pedelec | Kingdom +E      | Lilienthal XT | Hope Pro 5 E           | Sapim D-Light  | ASTM 4 | from 1.730 g | from 1.599 € | 400111   |
| Gravel         | Original GX     | Lilienthal GX | Lilienthal SP          | Alpina UL Aero | ASTM 2 | from 1.290 g | from 1.699 € | 500111   |
| Gravel         | Rope GX         | Lilienthal GX | PiRope SP              | PiRope         | ASTM 2 | from 1.190 g | from 2.199 € | 500131   |
| Gravel         | GX LUX Son 28   | Lilienthal GX | SON 28 + DT 350*       | Alpina UL Aero | ASTM 2 | from 1.995 g | from 1.899 € | 600111   |
| Gravel         | GX LUX Son 29   | Lilienthal GX | SON 29 S + Lilienthal* | Alpina UL Aero | ASTM 2 | from 1.650 g | from 1.949 € | 600121   |
| Gravel         | GX LUX DT Swiss | Lilienthal GX | DT SP-PL 7 + DT 350*   | Alpina UL Aero | ASTM 2 | from 1.615 g | from 1.899 € | 600131   |
| Custom         | Custom          | Custom        | Custom                 | Custom         | -      | -            | from 1.499 € | -        |

## RIMS\*\*\*

| Model              | Category      | Width | Height | Inner width | ERD (mm)  | max. Spoke-tension | Class  | Weight**      | Size        |
|--------------------|---------------|-------|--------|-------------|-----------|--------------------|--------|---------------|-------------|
| Lilienthal XC      | Cross Country | 36 mm | 22 mm  | 30 mm       | 560 / 589 | 1.200 N            | ASTM 3 | 335 g / 350 g | 27,5" / 29" |
| Lilienthal DC      | Down Country  | 36 mm | 22 mm  | 30 mm       | 560 / 589 | 1.200 N            | ASTM 3 | 375 g / 400 g | 27,5" / 29" |
| Lilienthal XT      | Trail/Enduro  | 36 mm | 22 mm  | 30 mm       | 560 / 589 | 1.200 N            | ASTM 4 | 400 g / 435g  | 27,5" / 29" |
| Lilienthal GX      | Gravel        | 31 mm | 35 mm  | 25 mm       | 572       | 1.200 N            | ASTM 2 | 390 g         | 28"         |
| Lilienthal GX Hook | Gravel        | 31 mm | 35 mm  | 25 mm       | 572       | 1.200 N            | ASTM 2 | 385 g         | 28"         |

\* The standard option is listed for illustration purposes.

\*\* The rim weight may deviate by +/- 5% due to the manufacturing process!

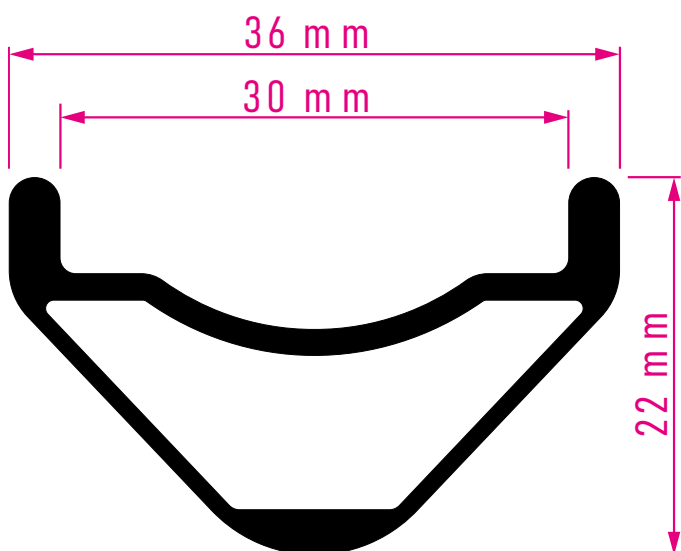
\*\*\* Direct sales of rims only to OEM and trade partners!

**XC**

Note: The illustration is an example of possible optics configurations!

**Data (27,5" / 29")**

|                    |                 |
|--------------------|-----------------|
| Material           | NCF-Carbonfiber |
| Dimension          | 584mm / 622 mm  |
| Inner width        | 30 mm           |
| Width              | 36mm            |
| Heigth             | 22 mm           |
| ERD                | 560 mm / 598 mm |
| Weight**           | 335 g / 350g    |
| max. system weight | 130 kg          |
| Class              | ASTM 3          |



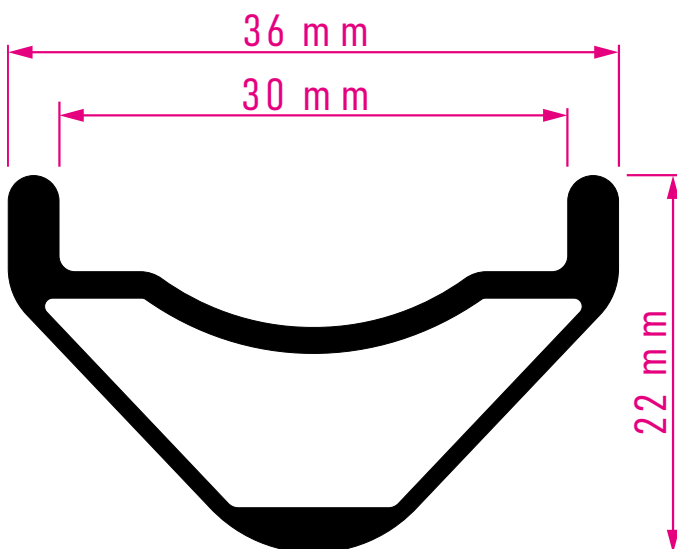
\*Schematic representation: Construction elements are not shown true to detail and scale!

**DC**

Note: The illustration is an example of possible optics configurations!

**Data (27,5" / 29")**

|                    |                 |
|--------------------|-----------------|
| Material           | NCF-Carbonfiber |
| Dimension          | 584 mm / 622 mm |
| Inner width        | 30 mm           |
| Width              | 36mm            |
| Height             | 22 mm           |
| Weight**           | 375 g / 400 g   |
| max. system weight | 130 kg          |
| Class              | ASTM 4          |



\*Schematic representation: Construction elements are not shown true to detail and scale!

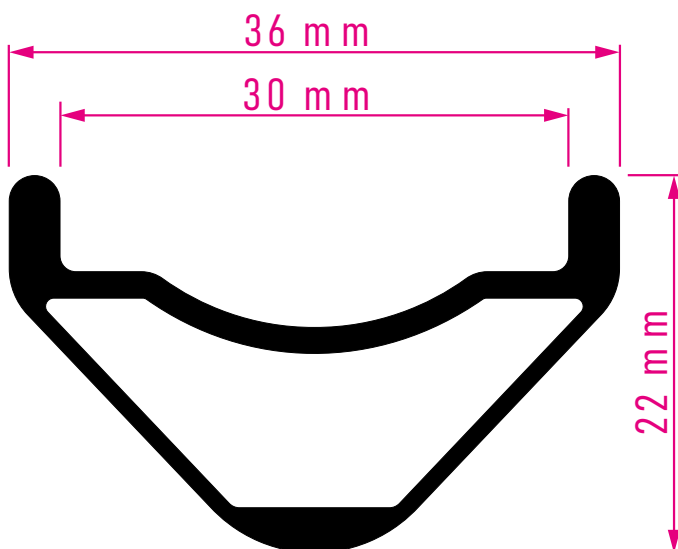


**XT**

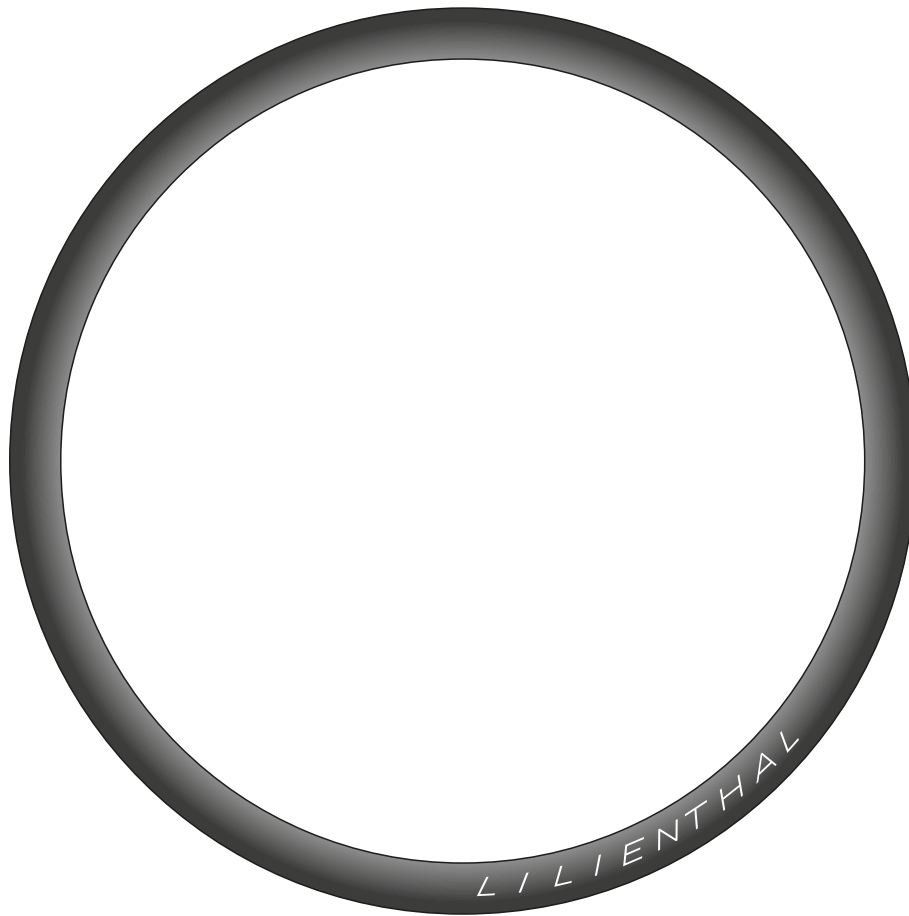
Note: The illustration is an example of possible optics configurations!

**Data (27,5" / 29")**

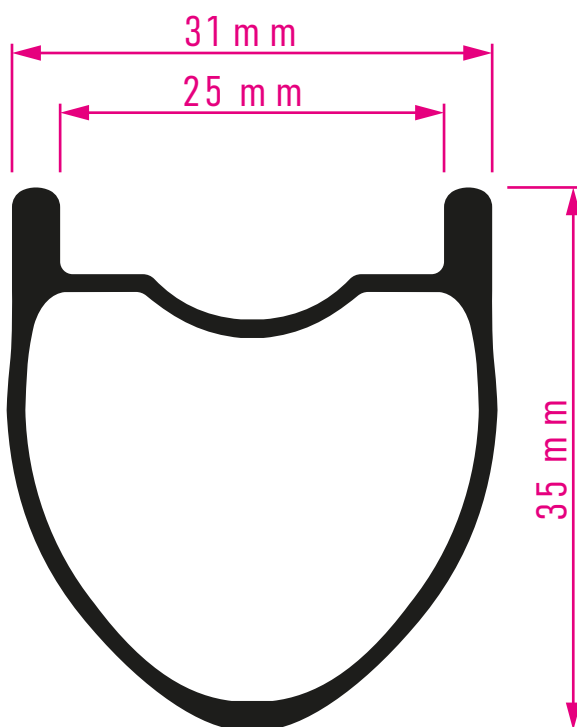
|                    |                 |
|--------------------|-----------------|
| Material           | NCF-Carbonfiber |
| Dimension          | 584mm / 622 mm  |
| Inner width        | 30 mm           |
| Width              | 36mm            |
| Height             | 22 mm           |
| Weight**           | 400 g / 435 g   |
| max. system weight | 130 kg          |
| Class              | ASTM 4          |



\*Schematic representation: Construction elements are not shown true to detail and scale!

**GX**

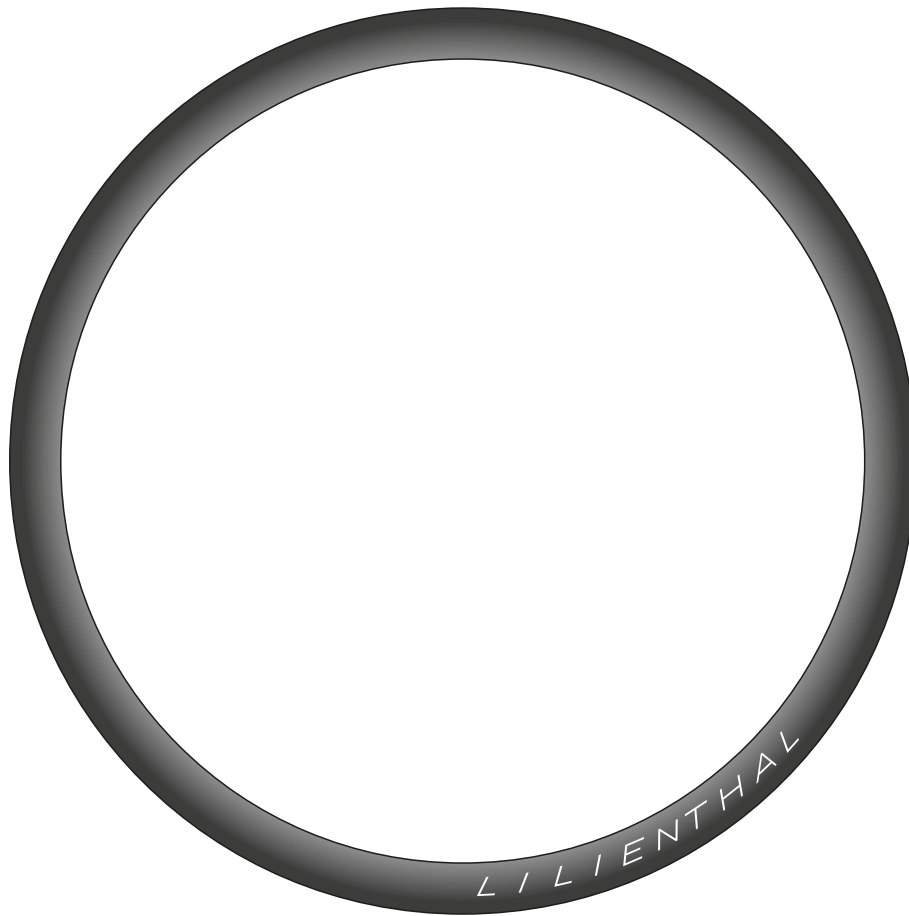
Note: The illustration is an example of possible optics configurations!

**Data (28")**

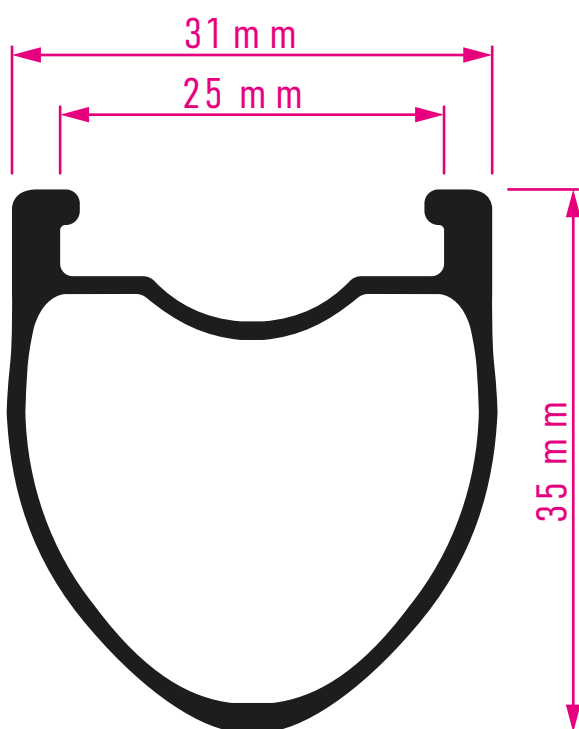
|                    |                 |
|--------------------|-----------------|
| Material           | NCF-Carbonfiber |
| Dimension          | 622 mm (622-25) |
| Inner width        | 25 mm           |
| Width              | 31mm            |
| Height             | 35mm            |
| Weight**           | 390 g           |
| max. system weight | 130 kg          |
| Class              | ASTM 2          |

\*Schematic representation: Construction elements are not shown true to detail and scale!

# GX Hook



Note: The illustration is an example of possible optics configurations!



## Data (28")

|                     |                 |
|---------------------|-----------------|
| Material            | NCF-Carbonfiber |
| Dimension           | 622 mm (622-25) |
| Inner width         | 25 mm           |
| Width               | 31mm            |
| Height              | 35mm            |
| Weight**            | 390 g           |
| max. system weight: | 140 kg          |
| Class               | ASTM 2          |

\*Schematic representation: Construction elements are not shown true to detail and scale!

# Original GX



Note: The illustrations are examples of possible build-configurations and optics!

The **Lilienthal GX gravel rim** is a masterpiece of German engineering. Thanks to our specially developed and patented manufacturing process, we are able to produce extremely stiff, very light and yet robust carbon rims with low energy and material expenditure.

In combination with our elaborately milled Straightpull hubs and Alpina Ultralite Aero spokes, the result is a reliable, direct wheel with efficient power transmission, extremely high lateral stiffness and low weight - everything your bike needs!

The 31 mm rim width allows for low tyre pressures, which maximises grip.

## Specs

|             |                                 |
|-------------|---------------------------------|
| Price (SRP) | <b>from 1.699 €</b>             |
| Rims        | Lilienthal GX / GX Hook         |
| Hubs        | Lilienthal Straightpull 24 H CL |
| Spokes*     | Alpina Ultralite Aero 14G       |

## Data

|                    |                                    |
|--------------------|------------------------------------|
| Size               | 28"                                |
| Weight**           | from 1.290 g                       |
| Axle               | VR 12 x 100 mm<br>HR 12 x 142 mm   |
| max. system weight | 130 kg                             |
| max. tyre pressure | 60 psi at 32 mm<br>35 psi at 55 mm |
| Class              | ASTM 2                             |



# Rope GX



Note: The illustrations are examples of possible build-configurations and optics!

**Innovative on the gravel** - high-tech carbon from aerospace, paired with the innovative braided spokes from PiRope and matching hubs ensure a more than unusual riding experience!

The interplay between the extremely stiff Lilienthal GX carbon rims and the unique PiRope braided spokes results in a **very direct ride, with vibrations being perfectly absorbed** by the flexible spokes.

The PiRope braided spokes are currently available in 12 colours, which can be requested when ordering!

## Specs

|             |                         |
|-------------|-------------------------|
| Price (SRP) | <b>from 2.199 €</b>     |
| Rims        | Lilienthal GX / GX Hook |
| Hubs        | PiRope Straightpull     |
| Spokes      | PiRope Wirespokes       |

## Data

|                    |                                    |
|--------------------|------------------------------------|
| Size               | 28"                                |
| Weight**           | from 1.230 g                       |
| Axle               | VR 12 x 100 mm<br>HR 12 x 142 mm   |
| max. system weight | 130 kg                             |
| max. tyre pressure | 60 psi at 32 mm<br>35 psi at 55 mm |
| Class              | ASTM 2                             |

# GX LUX Son 28



Note: The illustrations are examples of possible build-configurations and optics!

The German manufacturer **SON** has specialised in hub dynamos and lighting technology on bikes for years. With the SON 28, a long-proven and reliable hub dynamo is installed in this wheelset of the LUX series to keep the lights and other electronics on your bike running even when you are already flat.

In addition to extended gravel tours, the LUX series is also perfect for bikepacking!

## Specs

|             |                           |
|-------------|---------------------------|
| Price (SRP) | from 1.899 €              |
| Rims        | Lilienthal GX / GX Hook   |
| Hubs F/R*   | SON 28 / DT Swiss 350     |
| Spokes*     | Alpina Ultralite Aero 14G |

## Data

|                    |                                      |
|--------------------|--------------------------------------|
| Size               | 28"                                  |
| Weight**           | from 1.995 g                         |
| Axle               | VR 12 x 100/110 mm<br>HR 12 x 142 mm |
| max. system weight | 130 kg                               |
| max. tyre pressure | 60 psi at 32 mm<br>35 psi at 55 mm   |
| Class              | ASTM 2                               |

# GX LUX Son 29



Note: The illustrations are examples of possible build-configurations and optics!

The latest model from SON, the **SON 29 S hub dynamo**, weighs just **390 grams** and, in combination with our in-house, slim and elaborately milled Straightpull hub, makes this wheelset a real lightweight!

In addition to the weight, the unusual, asymmetrical spoking of the SON 29 S is particularly eye-catching.

This look is available in two versions with 24 (16+8) and 32 (16+16) spokes.

## Specs

|             |                           |
|-------------|---------------------------|
| Price (SRP) | <b>from 1.949 €</b>       |
| Rims        | Lilienthal GX / GX Hook   |
| Hubs F/R*   | SON 29 S / Lilienthal     |
| Spokes*     | Alpina Ultralite Aero 14G |

## Data

|                    |                                      |
|--------------------|--------------------------------------|
| Size               | 28"                                  |
| Weight**           | from 1.650 g                         |
| Axle               | VR 12 x 100 mm<br>HR 12 x 142/148 mm |
| max. system weight | 130 kg                               |
| max. tyre pressure | 60 psi at 32 mm<br>35 psi at 55 mm   |
| Class              | ASTM 2                               |



# GX LUX DT Swiss



Note: The illustrations are examples of possible build-configurations and optics!

With **typical Swiss precision**, the Swiss manufacturer DT Swiss has developed an exceptionally light and compact hub dynamo. Paired with the tried and tested 350 rear hub, this LRS has an **incredibly low total weight of just 1,615 grams!**

This also puts this wheelset way ahead in terms of performance, so you are perfectly equipped for races at dusk or in the dark and your board electronics are not dependent on battery life!

This model of the LUX series is also perfect for your bikepacking bike and lets you (un)finally enjoy true freedom without the restrictions of empty batteries!

## Specs

|             |                               |
|-------------|-------------------------------|
| Price (SRP) | <b>from 1.899 €</b>           |
| Rims        | Lilienthal GX / GX Hook       |
| Hubs F/R*   | SP-PL 7 Dynamo / DT Swiss 350 |
| Spokes*     | Alpina Ultralite Aero 14G     |

## Data

|                    |                                          |
|--------------------|------------------------------------------|
| Size               | 28"                                      |
| Weight**           | from 1.615 g                             |
| Axle               | VR 12 x 100/110 mm<br>HR 12 x 142/148 mm |
| max. system weight | 130 kg                                   |
| max. tyre pressure | 60 psi at 32 mm<br>35 psi at 55 mm       |
| Class              | ASTM 2                                   |

# Original XC



Note: The illustrations are examples of possible build-configurations and optics!

The combination of our **elaborately milled straightpull hubs** and Alpina Ultralite Aero spokes together with our XC carbon rim results in a reliable, direct wheel with efficient power transmission, extremely high lateral stiffness, low weight and still enough reserves to take tough trails in its stride - everything your bike needs!

**Our entry-level model for all XC disciplines** from after-work rides to eliminator races!

With the Lilienthal XC rim, we officially equipped the winning pair in the mixed race of the ABSA Cape Epic 2025.

## Specs

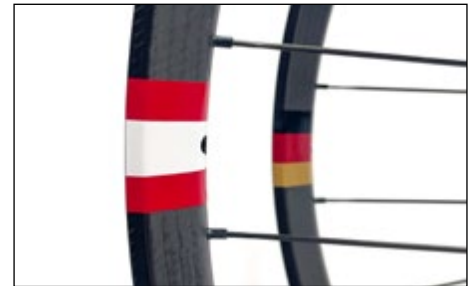
|             |                                 |
|-------------|---------------------------------|
| Price (SRP) | <b>from 1.699 €</b>             |
| Rims        | Lilienthal XC                   |
| Hubs        | Lilienthal Straightpull 28 H CL |
| Spokes*     | Alpina Ultralight Aero 14G      |

## Daten

|                    |                                  |
|--------------------|----------------------------------|
| Size               | 29"                              |
| Weight**           | ab 1.290 g                       |
| Axle               | VR 15 x 110 mm<br>HR 12 x 148 mm |
| max. system weight | 130 kg                           |
| max. tyre pressure | 45 psi                           |
| Class              | ASTM 3                           |



# Epic XC



Note: The illustrations are examples of possible build-configurations and optics!

It doesn't get more epic than this! Specially designed and built for the participation of our athletes Theresa Rindler-Bachl and her husband Philipp Bachl in the Absa Cape Epic 2025, the absolute endurance test for man and material against a breathtaking backdrop - 8 days, 700 km distance and 16,000 vertical metres through the wilderness of South Africa. The Austrian gravel champion not only relies entirely on Lilienthal carbon rims and carbon wheels during this epic adventure, but also in all other situations.

With a total weight of just 1230 grams, built around DT Swiss 240 straight-pull hubs, this carbon wheelset promises you an epic riding experience at a masterful level.

To celebrate the victory of Theresa and her husband Philipp in the mixed race, we are offering you the winning wheelset in a special limited edition of 25 pieces!

## Specs

|             |                           |
|-------------|---------------------------|
| Price (SRP) | from 1.799 €              |
| Rims        | Lilienthal XC             |
| Hubs        | DT Swiss 240 Straightpull |
| Spokes      | Alpina Ultralite Aero 14G |

## Daten

|                    |                                  |
|--------------------|----------------------------------|
| Size               | 29"                              |
| Weight**           | ab 1.230 g                       |
| Axle               | VR 15 x 110 mm<br>HR 12 x 148 mm |
| max. system weight | 130 kg                           |
| max. tyre pressure | 45 psi                           |
| Class              | ASTM 3                           |

# Rope XC



Note: The illustrations are examples of possible build-configurations and optics!

Pure innovation - The combination of our innovative Lilienthal XC carbon rim with woven spokes and matching hub from PiRope promises extremely low weight with a unique ride feel with a unique balance of flex and stiffness.

The PiRope braided spokes are currently available in 12 colours, which can be requested when ordering!

## Specs

|             |                     |
|-------------|---------------------|
| Price (SRP) | from 2.199 €        |
| Rims        | Lilienthal XC       |
| Hubs        | PiRope Straightpull |
| Spokes      | PiRope Wirespokes   |

## Data

|                    |                                  |
|--------------------|----------------------------------|
| Size               | 29"                              |
| Weight**           | from 1.050 g                     |
| Axle               | VR 15 x 110 mm<br>HR 12 x 148 mm |
| max. system weight | 130 kg                           |
| max. tyre pressure | 45 psi                           |
| Class              | ASTM 3                           |

# Original DC



Note: The illustrations are examples of possible build-configurations and optics!

Built on our in-house, elaborately milled straight-pull hubs, this wheelset always offers you stable performance and **will reliably accompany you through every terrain and every tour.**

Our entry-level model for your next down-country adventure!

## Specs

|             |                                 |
|-------------|---------------------------------|
| Price (SRP) | <b>from 1.499 €</b>             |
| Rims        | Lilienthal DC                   |
| Hubs        | Lilienthal Straightpull 28 H CL |
| Spokes*     | Alpina Ultralight Aero 14G      |

## Daten

|                    |                                  |
|--------------------|----------------------------------|
| Size               | 29"                              |
| Weight**           | from 1.550 g                     |
| Axle               | VR 15 x 110 mm<br>HR 12 x 148 mm |
| max. system weight | 130 kg                           |
| max. tyre pressure | 45 psi                           |
| Class              | ASTM 3                           |

\* Das Felgengewicht kann fertigungsbedingt um +/- 5% abweichen

# Kingdom XT



Note: The illustrations are examples of possible build-configurations and optics!

A chivalrous riding experience even on the roughest trails.

Built on the proven Hope Pro 5 hubs and robust Sapim D-Light spokes, you no longer need to worry about whether your wheelset will hold up, **no matter how gnarly it gets.**

## Specs

|             |               |
|-------------|---------------|
| Price (SRP) | from 1.599 €  |
| Rims        | Lilienthal XT |
| Hubs        | Hope Pro 5    |
| Spokes*     | Sapim D-Light |

## Data

|                    |                                  |
|--------------------|----------------------------------|
| Size               | 27,5" / 29" / Mullet             |
| Weight**           | from 1.690 g                     |
| Axle               | VR 15 x 110 mm<br>HR 12 x 148 mm |
| max. system weight | 130 kg                           |
| max. tyre pressure | 45 psi                           |
| Class              | ASTM 4                           |



# Rope XT



Note: The illustrations are examples of possible build-configurations and optics!

**Pure innovation** - The combination of our **ultra-stable Lilienthal XT carbon rim** with woven spokes and matching hubs from PiRope promises extremely low weight with a unique ride feel and a unique balance of flex and stiffness.

The PiRope braided spokes are currently available in 12 colours, which can be requested when ordering!

## Specs

|             |                     |
|-------------|---------------------|
| Price (SRP) | <b>from 2.099 €</b> |
| Rims        | Lilienthal XT       |
| Hubs        | PiRope Straightpull |
| Spokes      | PiRope Wirespokes   |

## Data

|                    |                                  |
|--------------------|----------------------------------|
| Size               | 27,5" / 29" / Mullet             |
| Weight**           | ab 1.400 g                       |
| Axle               | VR 15 x 110 mm<br>HR 12 x 148 mm |
| max. system weight | 130 kg                           |
| max. tyre pressure | 45 psi                           |
| Class              | ASTM 4                           |



# Kingdom XT+E



Note: The illustrations are examples of possible build-configurations and optics!

**Royal riding** experience even on the roughest trails.

Built on the proven Hope Pro 5 hubs and robust Sapim D-Light spokes, you no longer need to worry about whether your wheelset will hold up, no matter how gnarly it gets.

Thanks to the e-bike approved Hope Pro 5 E, you can equip your e-bike with this top-class wheelset and **enjoy a few more carefree descents!**

## Specs

|             |                     |
|-------------|---------------------|
| Price (SRP) | <b>from 1.599 €</b> |
| Rims        | Lilienthal XT       |
| Hubs        | Hope Pro 5 E        |
| Spokes*     | Sapim D-Light       |

## Data

|                    |                                  |
|--------------------|----------------------------------|
| Size               | 27,5" / 29" / Mullet             |
| Weight**           | from 1.730 g                     |
| Axle               | VR 15 x 110 mm<br>HR 12 x 148 mm |
| max. system weight | 130 kg                           |
| max. tyre pressure | 45 psi                           |
| Class              | ASTM 4                           |