

LILIENTHAL

CATALOG 2025

RIMS and WHEELSETS

CUSTOMER

LILIENTHAL Carbonwheels

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.

Your LILIENTHAL-Team!

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 €	-

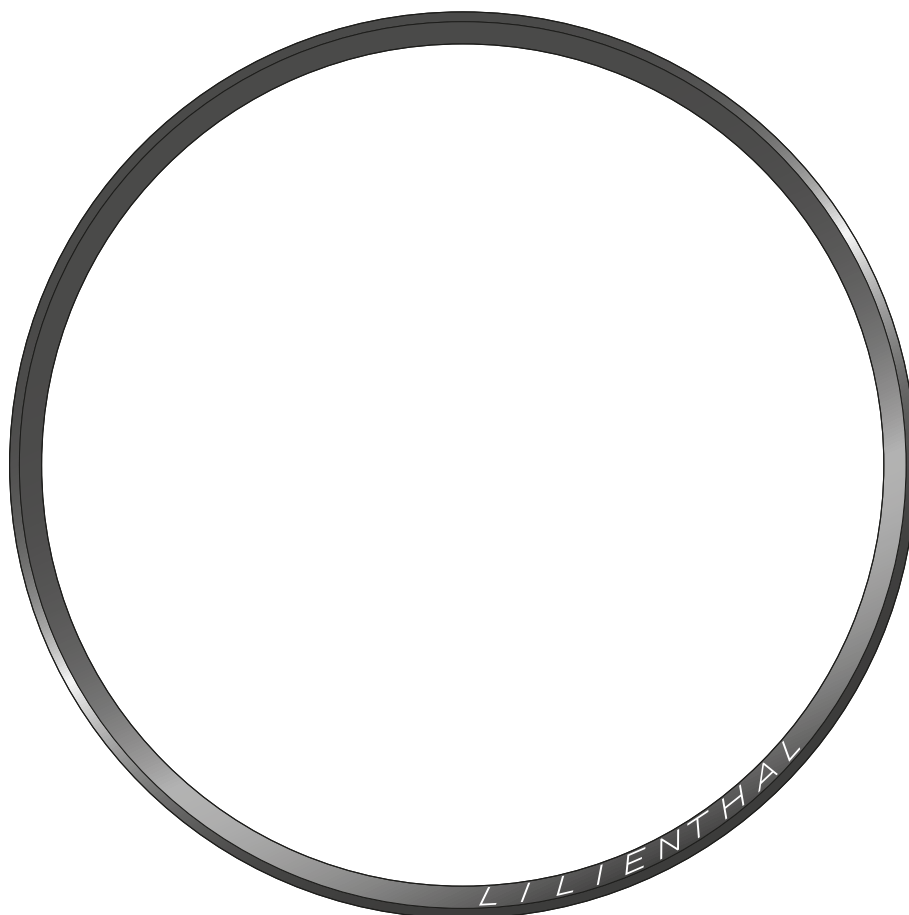
RIMS***

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!

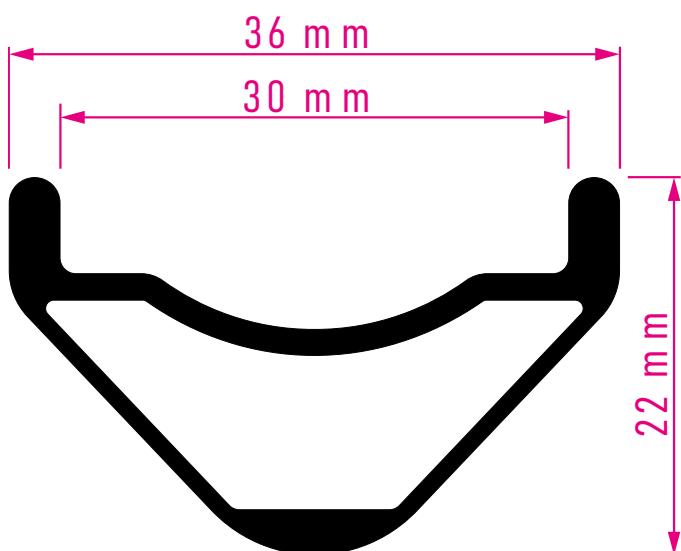
*** Direct sales of rims only to OEM and trade partners!

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



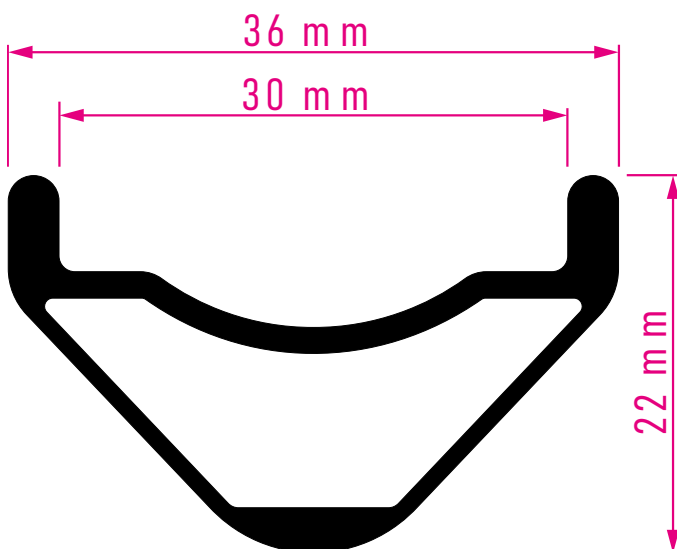
*Schematic representation: Construction elements are not shown true to detail and scale!

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!

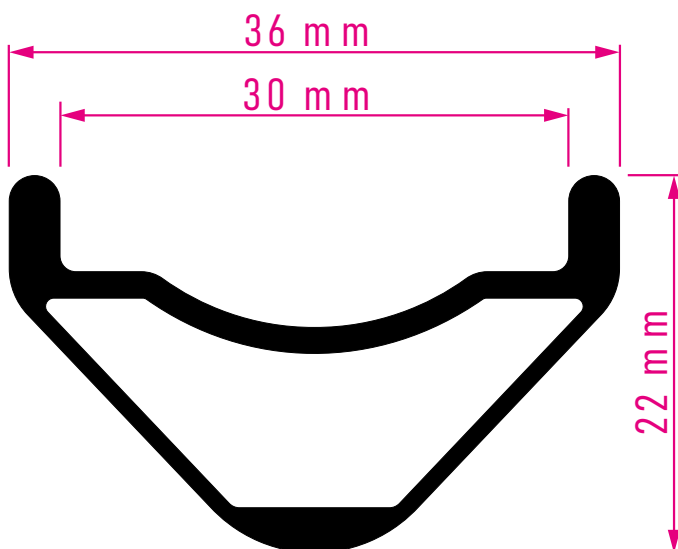
XT



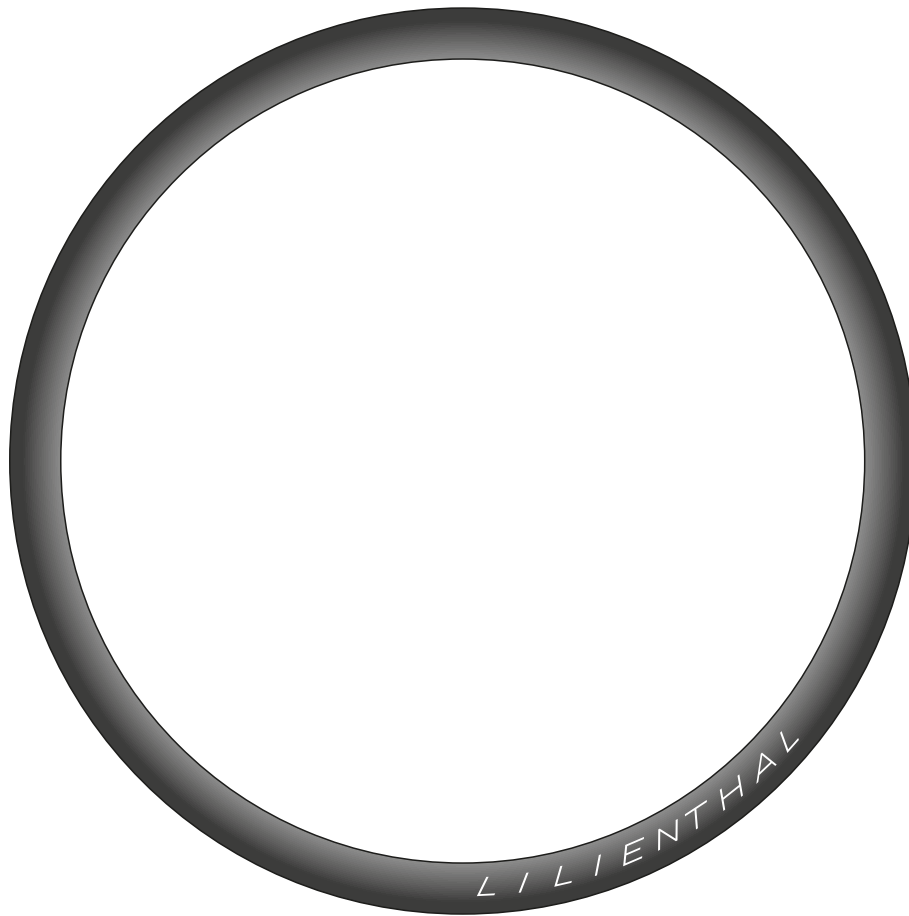
Note: The illustration is an example of possible optics configurations!

Data (27,5" / 29")

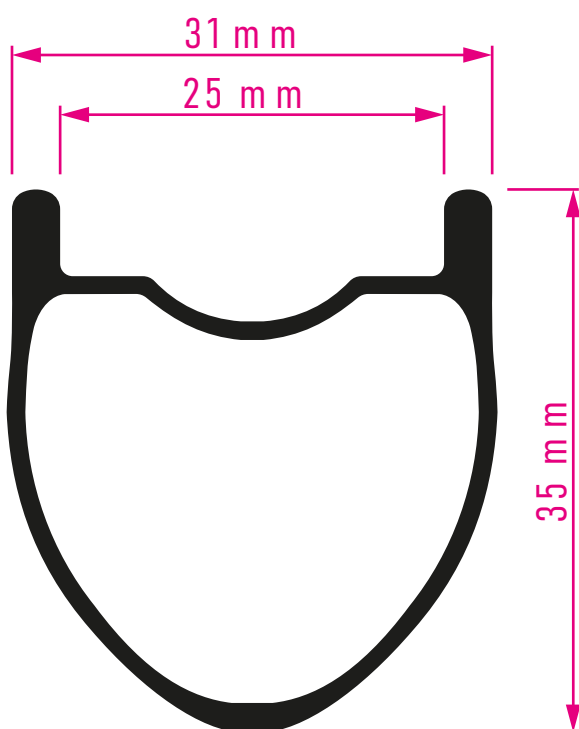
Material	NCF-Carbonfiber
Dimension	584mm / 622 mm
Inner width	30 mm
Width	36mm
Height	22 mm
Weight**	400 g / 435 g
max. system weight	130 kg
Class	ASTM 4



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

GX

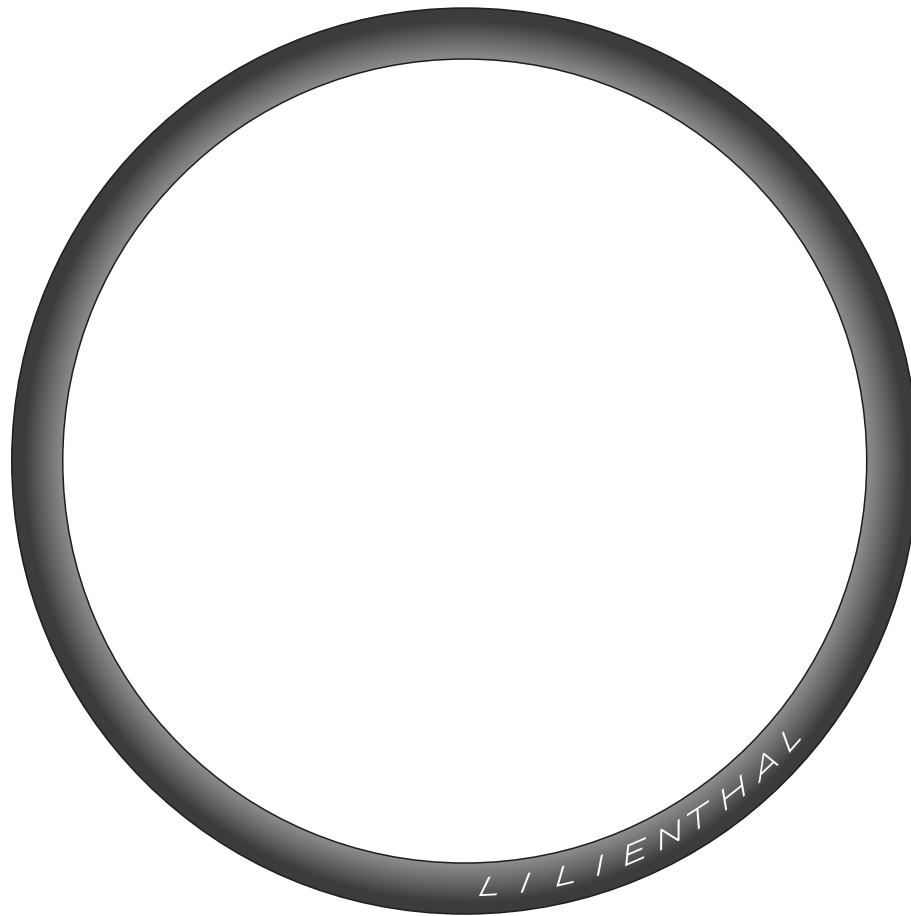
Note: The illustration is an example of possible optics configurations!

**Data (28")**

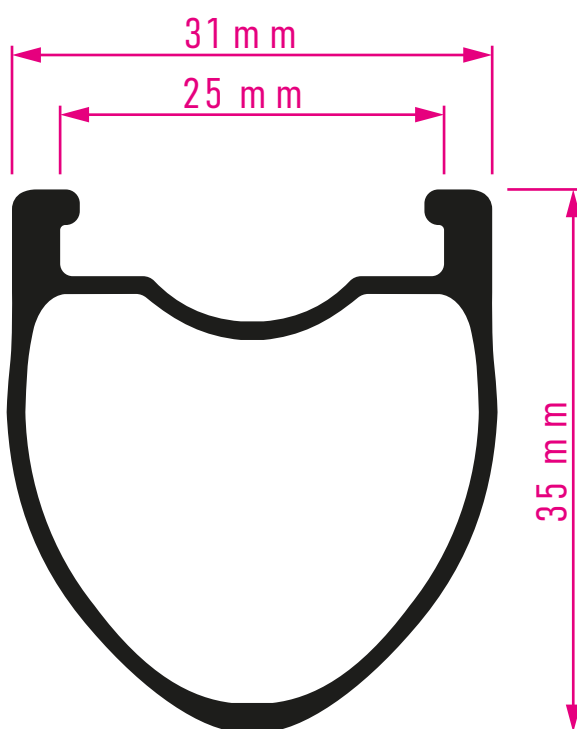
Material	NCF-Carbonfiber
Dimension	622 mm (622-25)
Inner width	25 mm
Width	31mm
Height	35mm
Weight**	390 g
max. system weight	130 kg
Class	ASTM 2

*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)	from 1.699 €
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 HR 12 x 142 mm
max. system weight	130 kg
max. tyre pressure	60 psi at 32 mm 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)	from 2.199 €
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 HR 12 x 142 mm
max. system weight	130 kg
max. tyre pressure	60 psi at 32 mm 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 HR 12 x 142 mm
max. system weight	130 kg
max. tyre pressure	60 psi at 32 mm 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)	from 1.949 €
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 HR 12 x 142/148 mm
max. system weight	130 kg
max. tyre pressure	60 psi at 32 mm 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)	from 1.899 €
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 HR 12 x 142/148 mm
max. system weight	130 kg
max. tyre pressure	60 psi at 32 mm 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.

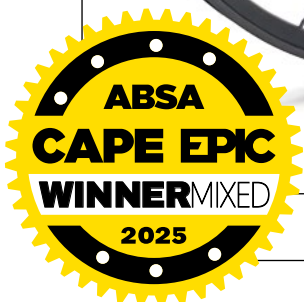
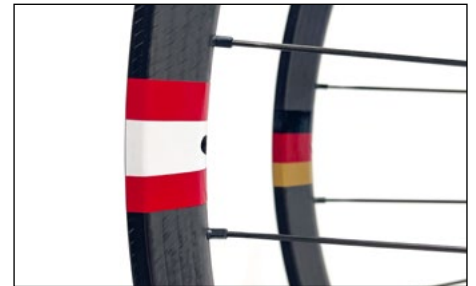
Specs

Price (SRP)	from 1.699 €
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 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	Alpinas Ultralite Aero 14G

Daten

Size	29"
Weight**	ab 1.230 g
Axle	VR 15 x 110 mm 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 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)	from 1.499 €
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 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 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)	from 2.099 €
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 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)	from 1.599 €
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 HR 12 x 148 mm
max. system weight	130 kg
max. tyre pressure	45 psi
Class	ASTM 4