

Engineered
for Bike
Components



High-Performance Materials for High-Performance Bike Parts – Garmin® Tacx® Bottle Cage

Highly functional and ultra light



LUVOCOM® CF

The bottle holder on the bike simply serves to hold a drinking bottle but the sometimes extreme demands placed on such a holder is often overlooked.

A leisurely bike ride certainly doesn't place any special demands on the bottle holder. Things are different on long rides on a racing bike, gravel bike or MTB! Especially if the bottle holder is also used in bicycle races. Then the bottle holder has to put up with the sometimes inaccurate insertion of the bottle in stressful situations without complaint. In addition, abrasive dust in contact with the bottle, stone chipping, water, sweat, drink residue and, in the worst case, a fall, also affect the holder. A high fatigue strength is required anyway. With all of this, the holder must not lose his or her posture - i.e. the pretension to the drinking bottle, or even break it. Oh yes, it should also be light and look chic, of course.

To meet all these requirements, Garmin uses LUVOCOM 1/CF/40, a carbon fiber reinforced PA66 with 40% carbon fibers for the Deva bottle cage, which weighs just 32g.

In addition to the mechanical requirements, the material also forms very attractive surfaces - of course with the desired carbon look.

About Garmin

Engineered on the inside for life on the outside, Garmin products have revolutionized life for cyclists and athletes of all levels and abilities. Garmin acquired Tacx in 2019. As the market leader with more than five decades of experience, Tacx designs and manufactures state-of-the-art bike trainers that offer a highly realistic and accurate ride simulation, as well as tools and accessories, and indoor training software and applications. Committed to developing technology that helps people stay active and elevate performance, Garmin believes every day is an opportunity to innovate and a chance to beat yesterday. Garmin and Tacx are registered trademarks of Garmin Ltd. or its subsidiaries. All other brands, product names, company names, trademarks and service marks are the properties of their respective owners. All rights reserved

About LEHVOSS

The LEHVOSS Group under the management of Lehmann&Voss&Co. is a group of companies in the chemical industry that develops, produces and markets chemical and mineral specialties for various industrial customers. Lehmann&Voss&Co., Hamburg, was founded in 1894 as a trading house. Since then, the owner-managed company has developed into a powerful global organization - with long-standing connections to well-known, mostly foreign suppliers and with its own production facilities in Europe, the USA and Asia.

The Customized Polymer Materials (CPM) division has been a partner to industry since 1984 in terms of material development, production and support, from design to part production. LEHVOSS offers customized solutions for challenging applications that are unique and stand out in the market.

LUVOCOM® high-performance compounds, LUVOTECH® and LUVOTECH® eco-technical compounds expand the possible uses of plastics and ensure in many industries that products made from them reliably fulfill their function even under high requirements.

With the 3D printing product lines LUVOSINT® and LUVOCOM® 3F the LEHVOSS Group offers innovative and customized polymers for 3D printing. They are dedicated to the most common technologies as powder bed fusion, fused filament fabrication (FFF) and fused granulate fabrication (FGF).



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