



**Engineering progress
Enhancing lives**

Bike Solutions

Quality and safety for brake systems.
www.rehau.com/bikesolutions



REHAU is an established development partner of brake manufacturers for bikes all around the world. We develop special hose solutions that satisfy the highest technical requirements for individual customers.

As a leading innovator in the bike brakes sector, we monitor the market carefully and base our product developments on current industry trends.



More than just a hose

We can offer you a high degree of development know-how thanks to our many years of experience. Based on our technical expertise, we are happy to advise you and develop the perfect product to meet your requirements in conjunction with yourself.

For example, we are tackling increasing demands in terms of temperature and pressure resistance, changing installation conditions (as hose lines are increasingly located within the bike frame) and also measures to protect against vandalism.

Customer-specific design elements such as surface finish, colours and a wide variety of printing options complete our range of products.



Industry expertise

REHAU is a partner of leading manufacturers worldwide.

Extensive product portfolio

Hydraulic hoses ensure a unique brake feeling, protective ducts and empty tubes are the perfect companions.

Highest quality standards

The most stringent production checks at the highest possible technical level guarantee maximum safety → brand quality made in Germany.



Small component, highest demands



**Heavy loads.
Extreme durability.**

Pressure resistance:
burst pressure > 1,000 bar



**High temperatures.
High level of safety.**

Temperature resistance:
melting point up to 260°C
(higher resistance available
on request)



Universal usability.

Resistance to all standard
brake fluids
(DOT and mineral oil)



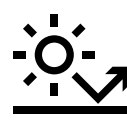
**Perfect match for
every brand.**

Bespoke design and
customer-specific printing



Easy installation.

Small dimensions
possible (DN 1.8 to 2.5)



**Able to resist the weather
in all climatic zones.**

High UV resistance and
moisture diffusion up to
max. 0.2%

Hydraulic bike hose material mix

Inner layer

Our high pressure layers offer outstanding resistance to all brake fluids, combined with the tightest possible production tolerances.

Reinforcement

The specially designed reinforcement and optimised manufacturing processes mean that our brake hoses are guaranteed to impress with their minimal volume expansion and perfect brake feeling.

Outer layer

The outer layer not only protects against external damage and the effects of the weather, it can also have an optional bespoke design and printing.



Our Portfolio

Hydraulic hoses

Unique brake feeling.

Hydraulic hoses by REHAU ensure safety and good functionality in cargo bikes, city bikes or mountain bikes, as well as electric bikes. More than 50 million hydraulic brakes fitted with REHAU hoses are the proof.

We use standard or specialist raw materials, depending on the application. Our many years of materials expertise enable us to determine the perfect combination of raw material and yarn for the inner hose, reinforcement and outer layer.



Protective sleeves & empty conduits

The perfect addition.

Protective sleeves and empty conduits are primarily used for the protection or routing of pipes in the bike. Sleeves can be used to protect pipes like brake hoses from external factors (e.g. dirt, stone chips). This increases the service life, prevents wear and tear and therefore also improves safety.

Empty conduits enable easy, space-saving installation of pipes in the bike frame.



This document is protected by copyright. All rights based on this are reserved. No part of this publication may be translated, reproduced or transmitted in any form or by any similar means, electronic or mechanical, photocopying, recording or otherwise, or stored in a data retrieval system.

Our verbal and written advice with regard to usage is based on years of experience and standardised assumptions and is provided to the best of our knowledge. The intended use of REHAU products is described comprehensively in the technical product information. The latest version can be viewed at www.rehau.com/TI. We have no control over the application, use or

processing of the products. Responsibility for these activities therefore remains entirely with the respective user/processor. Where claims for liability nonetheless arise, they shall be governed exclusively according to our terms and conditions, available at www.rehau.com/conditions, insofar as nothing else has been agreed upon with REHAU in writing. This shall also apply for all warranty claims, with the warranty applying to the consistent quality of our products in accordance with our specifications. Subject to technical changes.

www.rehau.com/locations

© REHAU Industries SE & Co. KG
Helmut-Wagner-Str. 1
D-95111 Rehau

20F700 EN 08.2023