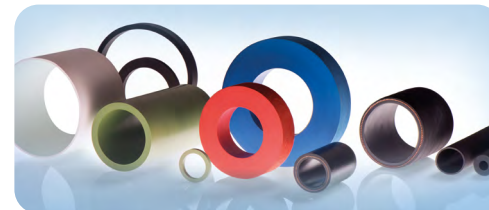


125 Years
1901-2026

Preserving Tradition.
Shaping the Future.
Embracing Innovation.



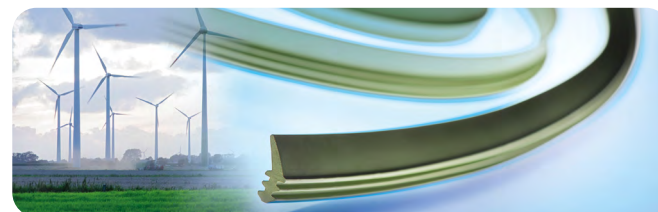
Product
overview



Hoses,
technical
windings
and rollers



Profiles,
rings and
frames



Molded
parts and
composites

Large-section
profiles for
steel water
building



THE COMPANY

COMPANY

Gummi Hansen GmbH has been manufacturing technical rubber products for industry and commerce at its site in Hannover-Wülfel for over 125 years.

COMPANY PHILOSOPHY

“Innovation by tradition” has been the guiding principle of our company for more than 125 years.

Going beyond the mainstream, we focus on our core expertise in innovative and traditional production processes in rubber processing.

Long-term partnerships, a focus on performance and humanity as hallmarks of quality are an integral part of our company culture.

CUSTOMER SATISFACTION

All areas of our company are integrated into a closely interlinked quality management system. Direct and transparent lines of communication ensure, in this context, that we meet quality, quantity and deadline requirements.

In this context, comprehensively meeting our customers' requirements is always at the heart of our activities.

PARTNERS

Gummi Hansen places explicit emphasis on the highest quality when dealing with suppliers and other service providers. We have maintained business relationships with the majority of our contractual partners for decades.

INNOVATION AND DEVELOPMENT

Increasing demands and ever-expanding areas of application for our products require a special commitment to development and manufacturing technology. This is made possible by ongoing investment in research and development, our machinery, and, in particular, the expertise and quality of our staff. Our competitive edge in expertise is regularly demonstrated through the development of new products and processes.

CONTINUOUS IMPROVEMENT PROCESS

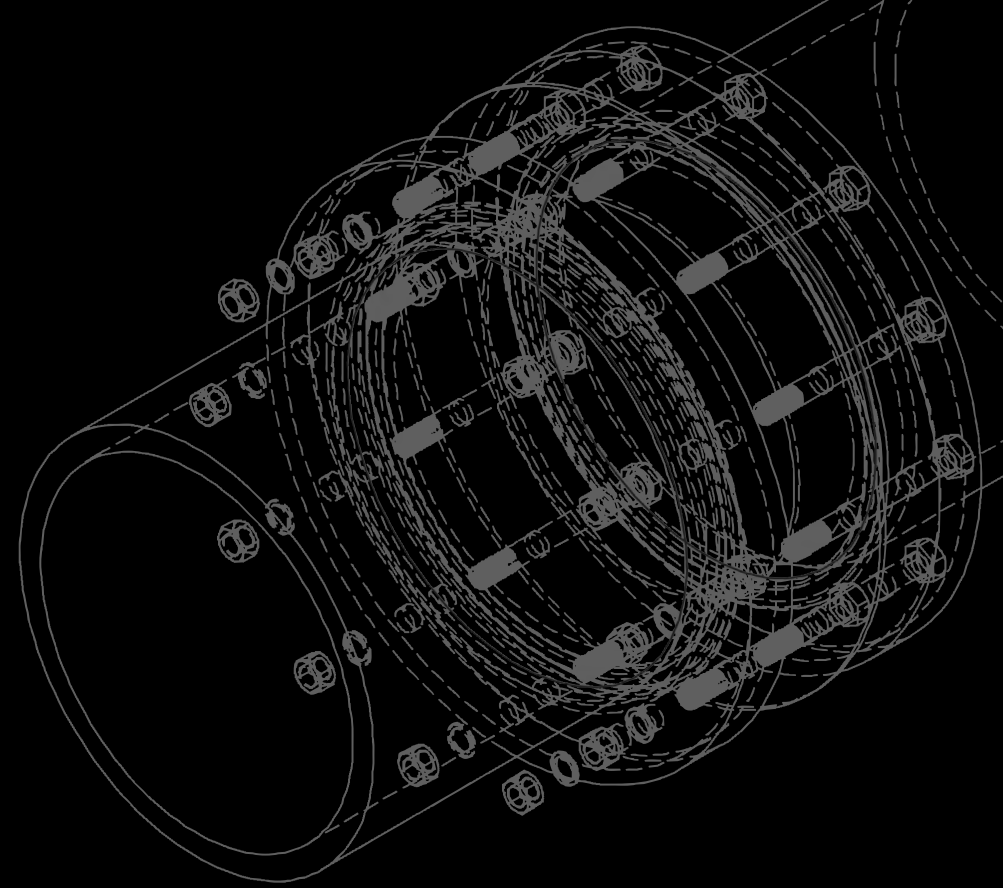
The commitment to ensuring that our product portfolio and manufacturing technologies are always state-of-the-art requires continuous process optimisation.

On this basis, all business processes are regularly reviewed and adapted to realise their qualitative, economic and environmental potential.

WHAT WE CAN DO ...

A RELIABLE DEVELOPMENT PARTNER IN THE FIELDS OF VIBRATION CONTROL, DAMPING, SEALING AND HOSE TECHNOLOGY.

- Over 125 years' experience in the manufacture of rubber products
- Series, custom and speciality manufacturer
- Prototype development
- In-house design department with an integrated toolmaking facility
- In-house compounding and targeted compound development
- Research and development department
- Close cooperation with the D.I.K. (German Institute for Rubber Technology)
- Close cooperation with the MPA (Hanover Materials Testing Institute and other institutes)
- Specialists in FKM, FFKM and FEPM
- Combinable manufacturing processes
- Q1 supplier to Deutsche Bahn
- Partner to the technical trade
- Partner of the EDE
- Certified to DIN EN ISO 9001
- Certified to DIN EN 15085-2



Development
Research
Construction



Certified
ISO 9001
DIN 15085-2



Profile
for wind turbines

PROFILES, RINGS AND FRAMES

EXTRUSION PRODUCTS FOR ENGINEERING APPLICATIONS

When it comes to sealing, damping and insulating, we develop, design, manufacture and supply rubber profiles tailored to the diverse applications in industry, local government and the commercial sector. We also undertake the assembling of these profiles into rings and frames ready for installation.

For decades, we have specialised in solving technical challenges using profiles made from soft rubber or FKM sponge rubber (Fluorflex+). We incorporate our expertise into profile cross-sections that are optimised for function, material and manufacturing.

For every application, depending on the required quantity, dimensional specifications and function, we offer the appropriate materials and manufacturing processes. Our design department, with its integrated toolmaking facility, can produce virtually any geometry and guarantees rapid response times.

Our profiles, rings and frames are used in sectors including: plant engineering, the construction industry, vehicle manufacturing, the heating and ventilation industry, shipbuilding, domestic appliances, wind turbines, hydraulic engineering, air-conditioning systems and many others.

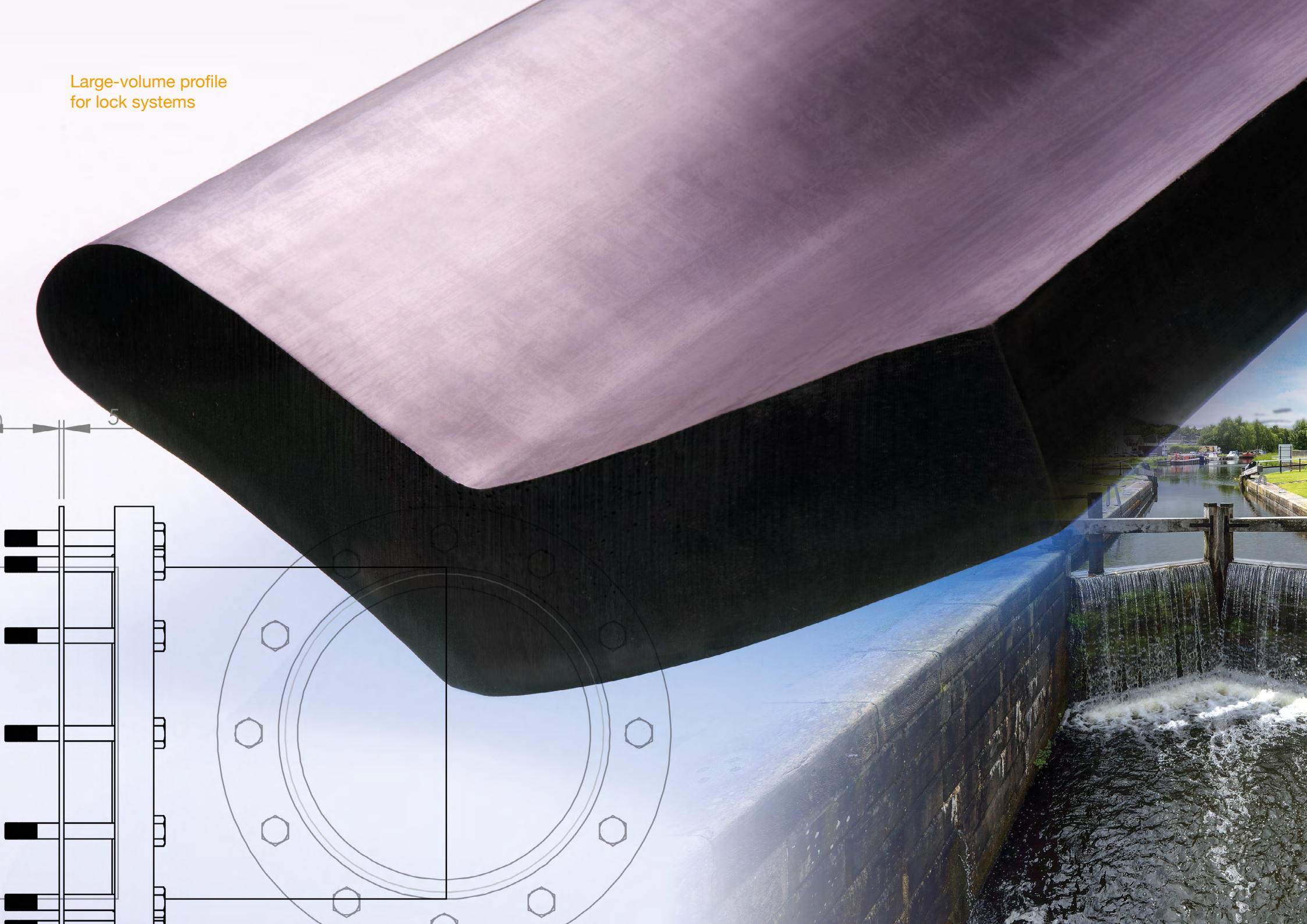
- Customised fabrication of profiles
- Wet bonding, cold, hot and film vulcanisation
- All processes for reliable and cost-effective production
- Manual joining before and after vulcanisation
- Precise assembly using templates
- Joining of vulcanised profiles
- Joining of profiles with different cross-sections
- Moulding of caps and moulded parts
- Compound supplied as cut, continuous feed strips
- Uniform compound pressure and speed
- Precisely profiled semi-finished products
- Fluoro sponge rubber 'Fluorflex+'
- Screw diameters from 45 to 120 mm
- Profile cross-sections up to 200 mm wide
- Extended lengths up to 40 m

Specialist
in
Fluorflex+



Industry
Local
authorities
Businesses

Large-volume profile
for lock systems



LARGE-SECTION PROFILES STEEL WATER CONSTRUCTION

CUSTOMISED PRODUCTS FROM SECURE PROCESSES

We develop, design and manufacture functionally engineered rubber profile seals for technical applications.

These are used in industry, local government and the commercial sector. We specialise in large-scale profiles, particularly for hydraulic engineering, and also manufacture corner joints and ready-to-install frames from these profiles. For decades, we have been the specialist company for solving technical challenges using soft rubber profiles. We offer the appropriate materials and manufacturing processes for a wide range of applications and various functions.

- Flowable and stable rubber compounds
- Extruders with screw diameters of up to 120 mm and feed rates of up to 40 kg/m
- Extruded profiles up to 40 m in length
- Profile cross-sections up to 340 mm in width and 130 mm in height, or 450 mm in width and 60 mm in height
- Tight radii achieved through the use of templates
- Joining of pre-vulcanised profiles
- Permanent joints, even with different profile cross-sections
- Perforations, chamfers, notches
- Special compounds in accordance with DIN 19704-2 (NR/SBR, EPDM, CR)

PLEASE REQUEST A STEEL WATER CONSTRUCTION CATALOGUE!
(currently available in German only)



Industry
Local
authorities
Businesses



Rubber-metal connection
for Deutsche Bahn AG

MOULDED PARTS AND COMPOSITES

YOU HAVE THE IDEA. WE HAVE THE MATERIAL-TAILORED SOLUTION

When it comes to sealing, damping, insulating and protecting, we design, manufacture and supply rubber moulded parts and composites tailored to their specific functions for a wide range of industrial and commercial applications.

We have specialised in solving technical challenges for decades and incorporate our expertise into designs that are optimised for both materials and manufacturing processes. For every application – depending on the required quantity, dimensional specifications and function – we offer the appropriate materials and manufacturing processes. You too can benefit from our expertise to turn your ideas into high-performance components.

- Moulded rubber parts are elastic, incompressible and maintenance-free
- Compression and transfer moulding
- Injection moulding for large-scale production
- High-volume articles thanks to mould heating
- Steam- and electrically-heated presses
- Film vulcanisation press
- Platen sizes from 300 x 300 mm to 1,800 x 1,800 mm
- Vertical injection moulding machines
- Clamping dimensions from 450 x 600 mm to 800 x 800 mm
- For small parts: 300 x 300 mm
- CM presses with platen dimensions from 1,000 x 1,000 mm to 1,800 x 1,800 mm
- Machines with large clamping surfaces and corresponding injection volumes
- Form-fit bonds for parts with low requirements
- Force-fit bonds through the use of primers and bonding agents
- Direct bonds with compatible materials
- Depending on the rubber compound, suitable chemical bonding agents are used



Sealing
Steaming

positional fit
friction fit



Isolate
Protect



Hose assembly
S-Bahn braking system

HOSES, TECHNICAL WINDINGS AND ROLLERS

WINDING COMPONENTS, ELASTIC ROLLERS AND HOSES

Hoses for all requirements

Rubber hoses fulfil a wide variety of functions in many sectors of industry and the commercial sector. These hoses are subject to very specific performance requirements. Gummi Hansen has been specialising in providing solutions to these challenges for decades. Only the right hose is always the most cost-effective solution. This also helps to prevent production downtime.

Winded construction parts for technical applications

When it comes to products with unusual geometries, without high moulding costs, or those produced in small batches, we design and manufacture coiled components and bends in a wide variety of shapes and designs for a diverse range of applications in industry and commerce, tailored to their specific functions.

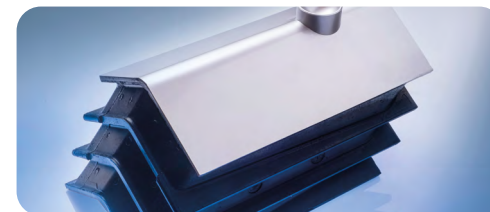
Elastic rollers for technical and graphic applications

Elastic roller covers to ensure everything runs smoothly. Our high-quality rollers and roller covers fulfil particularly demanding functions with precision, reliability and, of course, cost-effectiveness. This makes them the first choice for a wide variety of applications and industries. Whether for the precise handling of the finest papers in the fine printing industry or for the powerful grip of a squeeze roller in chemical plants.

- Based on compounds with high adhesion properties
- Calendered blank sheets cut to exact dimensions
- All standard rubber compounds
- Mandrels made of metal, aluminium and in various geometries
- Complete rollers or covers fitted onto supplied cores
- Fabric reinforcements for demanding applications
- Multi-layer construction for various loads
- Hose sections and hose rings
- Extruded tubular blanks for thick-walled single-layer wound products
- Vulcanised blanks as covers for rollers subject to low stress
- Only vulcanisation permanently bonds individual layers
- Bandaging to prevent flow during thermal heating
- Secure bond to the prepared bare metal core
- Wrapped rubber products are machined
- Turning, grinding, cutting, parting off
- Assembly of complex components
- Specific surface finishes can be produced
- Grooves, slots and crowning
- Rough grinding produces good grip
- Acceptance tests in accordance with a customer-specific test plan



Product
overview



Hoses,
technical
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and rollers



Profiles,
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and frames



Moulded
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Large-section
profiles for
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