

Company Profile



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An experienced family company: from brake band to BREMSKERL

Founded in 1929 as Norddeutsche Bremsbandwerke Emmerling & Co., in the first eight years of its existence the company made asbestos fabric brake linings. After the moving to the first factory building at Celler Strasse 3 in Nienburg an der Weser and additional extensions to the production facilities and office building, it developed roll-moulded and pressed materials of the highest quality.

After new production facilities were built in 1969 on the premises at Celler Strasse 24, the company name was changed in accordance with the product to BREMSKERL REIBBELAGWERKE EMMERLING & Co. KG. As early as 1979 additional extensions to the production and office buildings enabled the production of asbestos-free brake linings for the first time.

Unrestricted growth - healthy and solid

After sites were bought, planning completed and the new building of the plant, the administration and the first production departments relocated in 1990 to the new, modern high-tech plant in Estorf-Leeseringen.

Before the company's 75th anniversary was celebrated in 2004, the limited liability company was founded, the new mixing plant was taken into operation, and later extended, and the test bench was built.

Since then, and to date, branches have been established in Great Britain, North America, China and India, and global sales partners ensure in addition proximity to customers internationally.







1929:

Norddeutsche Bremsbandwerke Emmerling & Co. founded

1938:

First factory building at Celler Strasse 3 in Nienburg, Weser built

1962-1968:

New production facilities built on the premises at Celler Strasse 24 in Nienburg, Weser





2012: Today we produce from a manufacturing area of 24.000 m² to satisfy our worldwide business.







1988-1990:

New plant built in Estorf-Leeseringen, together with technology centre, production and laboratory facilities

1995-1997:

Test centre built

2002-2004:

Mixing plant extended

Proximity to customers – globally

We are always there for you locally thanks to our branches in Great Britain, North America, China and India and with the help of global sales partners.





BREMSKERL – present worldwide







With the front runners

It is our know-how and the flexibility and great willingness of our workforce that have made us successful for 80 years as experts for friction lining technology.

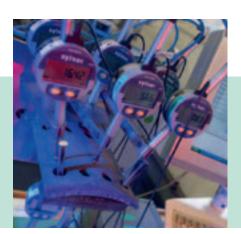
BREMSKERL-REIBBELAGWERKE EMMERLING GmbH & Co. KG is a family owned globally active SME whose head office is in Estorf-Leeseringen, near Nienburg an der Weser. With 350 employees globally, 300 of whom work in Germany alone, we develop and manufacture brake and clutch linings for rail vehicles, industrial applications and commercial vehicles.

In our modern research facilities and laboratory centres we continuously develop new materials for our customers' special requirements. Rapid and direct contact to our clientele is particularly important to us here.





Tested for safety







Responsible for people and the environment

Tested and certified many times, BREMSKERL products guarantee the greatest reliability and safety. We are aware of our responsibility for people and the environment and supply safety products in accordance with the highest standard and with first-class quality.

Like our company – in accordance with DIN EN ISO 9001:2008 and IRIS – our linings have been frequently tested and certified.

In addition, BREMSKERL products conform to more than the statutory requirements and ensure the greatest reliability and safety through an integrated product safety management system.



Innovations for the environment





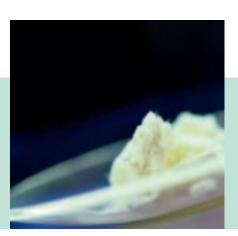
Over 150 raw materials form the basis of the broad range of our different materials that we optimise and extend continuously and test on our own test benches under the greatest loads.

During the manufacturing process we set great store by environmental production in which all processes are harmonised. In addition, we face up to new challenges in order to develop and produce even more environmentally friendly products.

Our materials do not contain any raw materials that are hazardous to health and they comply with the most stringent requirements under REACH and ROHS. BREMSKERL linings do not contain any heavy metal substances or heavy metal compounds, and in addition have been free of asbestos for over 30 years.

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Our personal aspiration is to develop more efficient processes for a better environment. With the most modern automated production facilities we produce a variety of different, state-of-the-art brake lining variants, which are aligned with regard to shape, size, geometry and dimensions to the individual requirements of our customers.

All production processes are controlled and monitored by our integrated management system.

In addition to all this, we invest continuously in new, modern, efficient systems and machines in order to be able to manufacture products of the highest quality in future as well with the latest manufacturing technologies.

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Rail vehicles

Field of application – rail vehicles:

High-speed traffic ⋅ intercity traffic ⋅ regional traffic ⋅ urban traffic ⋅ goods traffic

In the rail vehicles sector we produce organic brake blocks and disc brake linings for state, local authority and private railways.

BREMSKERL brake blocks are available in standard types LL, L and K. We have a large range of special dimensions and standard sizes in lengths of 250, 320 and 400 mm in our diversified product portfolio.

We make a variety of BREMSKERL disc brake linings with UIC approval from various materials for very different application classes in the highest quality, certified, safe and with a long service life.







Market success

For many years we have enjoyed the trust of all well-known national and international state, local authority and private railways, which we are pleased to repay with BREMSKERL linings of the highest quality.

BREMSKERL linings enjoy global trust

Our linings have been used successfully for many years in local and longdistance traffic for underground and suburban trains, trams, track-building machines, passenger and freight cars, locomotives, shuttle systems and high-speed trains.

We can count numerous international rail companies among our customers, including Deutsche Bahn AG, Italian, Turkish, Belgian and Austrian state railways, Amtrak, Nedtrain or Renfe.

Maximum performance for tomorrow's technology

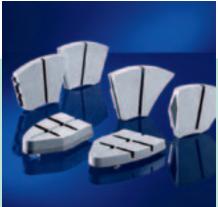
High brake performance, safe brake distance and great stability under load have always been of great importance for our linings.

Because the spotlight is increasingly on cost, our customers appreciate in particular the low wear of our own material and the mating material, more even heat distribution and the extraordinarily low life cycle costs of BREMSKERL linings.

In addition, our linings guarantee low generation of noise and odours, which is very much appreciated by those responsible for local passenger traffic.

Constant test stand results for particularly good wet-weather performance are additional reasons for the globally high awareness of our linings.







BREMSKERL - the safe choice

Our products are based on a high quality standard. IRIS certification, Q1 supplier certificates and various rail compatibility approvals and customer series releases underline our quality aspiration.



Our brake linings are tested thoroughly under real conditions on our test facilities, both under the influence of heat and cold and under snow conditions. During the tests, globally predominating climatic situations are mapped in detail.

Our linings are approved and certified by Germany's federal railways department and international companies for speeds up to 300 kph.

To safeguard our customers we test our linings in addition under extreme loads, whereby speeds of up to 500 kph are reached on our endurance test benches.

During production we pay particular attention to high environmental compatibility.



For the environment's sake

Our products already consist today of 15 percent sustainable raw materials, such as, for example, a great number of fibres and oils. We work constantly on increasing this share still further.

In addition, we use various recycled materials in the production of friction linings. Mineral fibres that have been treated with toxins, heavy metals and antimony are expressly not used. We are continuously reducing the amount of copper in our linings.

Materials that in the medium and long term will no longer conform to environmental standards are already not considered for our new developments.



BREMSKERL – customised products

In the field of industrial applications we produce a large number of customised linings in the form of rings, segments, cones and shaped pieces in small and large production batches in accordance with individual customer wishes.

In addition, we produce high-quality semi-finished goods in the form of rolls, strips and plates in thicknesses of up to 80 mm.

BREMSKERL rolls can also be supplied with wire backing fabric and can be both riveted and bonded for the highest stresses. Additional grooving ensures particularly high flexibility of the material for very different drum diameters.

Through various types of processes, for example, milling, water jet and laser cutting, all semi-finished products can be further processed to the required dimensions in a great range of variants.

In addition, we regenerate and bond various carrier materials.

Our products are used in the following applications, for example:





Wind turbine engineering

- Yaw brakes
- Pitch brakes
- Generator brakes
- Rotor brakes

Medical technology

- Laboratory appliances
- Instruments
- Medical apparatus

Drive technology

- Elevators
- Lifts
- Escalators

Agricultural and horticultural engineering

- Garden appliances
- Agricultural tractors and trailers

Construction machines

- Digger
- Wheel loaders
- Drilling and conveyor systems

General machinery construction

- Paper machines
- Wire coiling machines
- Textile machines

Ship-building

Anchor winches

Press, conveyor and lifting technology

- Crane installations
- Body presses
- Forging presses
- Conveyor belt systems
- Conveyor belt drums

Unique variety

Thanks to the great variety of over 200 BREMSKERL materials and the different processing possibilities, we have the optimum solution for your application as well.

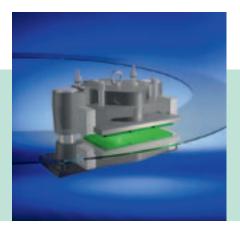
It is not for nothing that manufacturers of safety brakes have relied for years on BREMSKERL qualities – with great success.

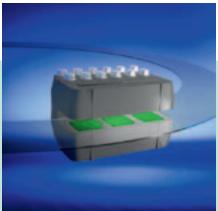
We ride out every storm

It is a great concern of ours to support the sustainable economy with organic brake linings. In the field of renewable energy in particular, for example, wind power technology, we have the optimum solutions for different brake systems.

In yaw brakes and yaw drives our linings ensure the secure alignment of the nacelle of a wind turbine, silently and with low maintenance.

In rotor brakes BREMSKERL linings satisfy the most stringent requirements: safely, reliably and with less wear, even in compact designs.







In addition, our teams of experts have developed excellent BREMSKERL qualities for generator brakes, as well as for pitch brakes and drives, for troublefree use around the clock.

BREMSKERL - quality is not a coincidence

BREMSKERL materials are used successfully in all application fields globally. This is not a coincidence, because our materials guarantee high economic efficiency and unique product quality through particularly safe manufacturing processes.

In addition, our linings achieve optimum friction pairing in the shortest time.

Best performance values and high friction coefficient stability, even at high temperatures, are provided only by composites from BREMSKERL.

Safety down to the last detail

Our customers from the automotive and aviation industries, and from medical technology as well, attach great importance to high and unvarying quality, with every BREMSKERL lining.

The complete manufacturing and sourcing process can be traced without gaps through our integrated quality management system and a special batch marking system.







BREMSKERL – industrial qualities

High and unvarying qualities are of decisive importance in the automotive and aviation industries and in medical technology in particular. All BREMSKERL industrial qualities satisfy in addition the requirements of the latest versions of ROHS and REACH and have in part German Lloyd certificates, as well as an approval for underground use from Deutsche Montan Technologie GmbH.



Commercial vehicles

For the commercial vehicle sector we make drum and disc brake linings in various sizes and designs for trucks, trailers, buses, crane vehicles and special vehicles.

For drum brakes for commercial vehicles we focus on brake linings for brakes with drum diameters of approx. 400–420 mm, for example for Mercedes, MAN, Scania, Renault and Volvo. With trailers, our drum brake linings with diameters between 300 and 420 mm are used in axles made by BPW, Gigant, SAE, SAF and SMB.

We also provide high-quality drum brake linings for axles with diameters from 410–500 mm for crane vehicles. BREMSKERL is your competent partner for special vehicles such as tractors, car trailer axles, and for agricultural vehicles.

In the past few years we have greatly extended the production of disc brake linings for medium-heavy and heavy trucks, buses and trailer axles and rounded off our product portfolio.

Over 30 different lining types and qualities for almost all commercial vehicle types and trailer axles in medium-heavy and heavy classes are always in stock.







Components for market leaders

As a company with the necessary technical know-how we have developed various original equipment qualities jointly with well-known vehicle and axle manufactures. For example, BREMSKERL supplies brake linings for vehicles from MAN Truck & Bus Österreich AG, as well as for axles from Gigant, Knott, SAE, SAF and SMB. Many vehicle fleet operators also rely on BREMSKERL's high quality and equip their vehicles with linings from BREMSKERL.

Our linings are as safe in the aftermarket as they are as original equipment. They are tested in accordance with the same criteria as OE linings and, as a final test, must survive the Rossfeld descent with temperatures in excess of 900 °C in the brake.

Our premium quality is also available with green coating. This guarantees a constantly high friction coefficient from the first braking. We also attach great importance to a secure binding system between backing and lining, in order to be able to maximise shear force resistance.

Comfort and safety over long distances

Our linings guarantee high friction coefficient stability and low wear with unvarying braking behaviour.

Their long service life, and their safety and extraordinary comfort level, must be particularly emphasised. Our premium quality also meets the highest requirements, such as those demanded by urban transport with buses and special vehicles.







Proven quality

For over 40 years vehicle and axle manufacturers have relied on the first-class properties of BREMSKERL linings for original equipment and the aftermarket.

Tested and certified for global use

BREMSKERL drum and disc brake linings conform to the latest development status and are tested for original equipment in accordance with the European standard ECE R 13. The European guidelines are standard for us in the aftermarket as well. All current lining types and qualities are tested and released consistently on the basis of ECE R 90. BREMSKERL linings are recognised internationally as well, for example through certification by GOST and by US test bodies.

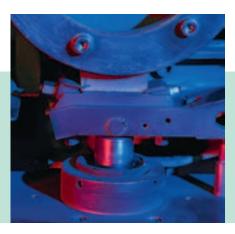
For the ECE R 13 and ECE R 90 tests we work exclusively with recognised German test bodies such as TÜV Süd München, TÜV Nord Essen and the Federal Motor Vehicles Agency in Flensburg.

Tested to the limit

In order to satisfy customised requirements to the greatest extent, our brake linings are continually developed in our development department. We test new developments under the most stringent requirements on test stands for complete and part linings. Here, the different climatic conditions that prevail at our international customers are imitated as realistically as possible.







Through the test programme with flying colours

Up to their final use, our brake linings run through numerous development and inspection stages. Along with extensive environmental requirements, friction engineering and chemical specifications must be satisfied.

In addition, the values of lining expansion and compressibility, and shear values, are checked. Our linings are tested thoroughly by means of wear, performance and crack programmes and also run through homologation and the Rossfeld descent protocol.

Global presence

BREMSKERL linings can be obtained from trading companies and selected brake service providers, as well as from numerous BREMSKERL partners. We have a global distribution network, and in Germany alone our brake linings are available from over 100 companies.



There is a name for reliable friction linings

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