



creating
hightech
solutions



GASKETS

TECHNICAL TEXTILES

EXPANSION JOINTS

INSULATION

NEW MATERIALS

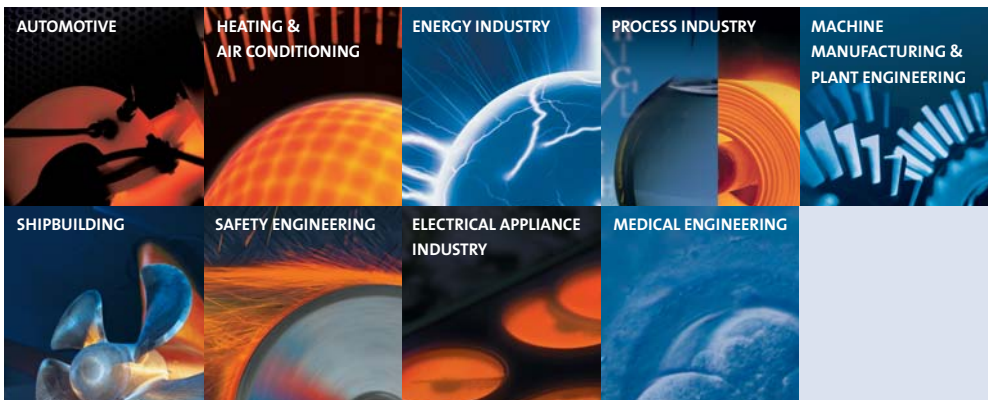
At home in all industries.

Creating hightech solutions.



Frenzelit serves many different industries and this gives the company inspiration for the development of trend-setting new products and solutions.

Short implementation times, clear customer orientation, customised support – distinctive features of innovations "made by Frenzelit".



Responsibility. Environment. Quality.

Our certification portfolio at a glance.

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Quality

	Gaskets	Technical textiles	Expansion joints	Insulation	New materials
Quality	ISO/TS 16949	ISO/TS 16949 Module D SBG	ISO 9001 SCC PED	ISO/TS 16949 Module D SBG	ISO/TS 16949

Environment

Environment	ISO 14001	ISO 14001	ISO 14001	ISO 14001	ISO 14001
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Welcome

to our company.

Frenzelit has been a reliable and efficient family company for more than 125 years now. 450 committed employees develop and produce gaskets, technical textiles, expansion joints and insulation materials day in, day out at our facilities around the world.

Frenzelit combines all the strengths of a medium-sized company: flexible, fast-moving, quick to get things done. This is reflected by the systematic way we investigate new ideas. Or by the speed at which we bring these ideas to market. Or by our excellently qualified contacts and, of course, by our application specialists who are there to help you locally wherever you are in the world.

Frenzelit is where the market is – very close to the customer. From Finland to South Africa. From Spain to Australia. From Canada to Argentina. And wherever else you need us.

We look forward to serving you!

Your



Dr Wolfgang Wagner
Managing Partner Frenzelit Werke GmbH





novaphit®

novatec®

novaflex®

novapress®

novaform®

isoplan®

novaplan®

novaSEAL®

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Gaskets.

Economic, innovative and absolutely reliable.

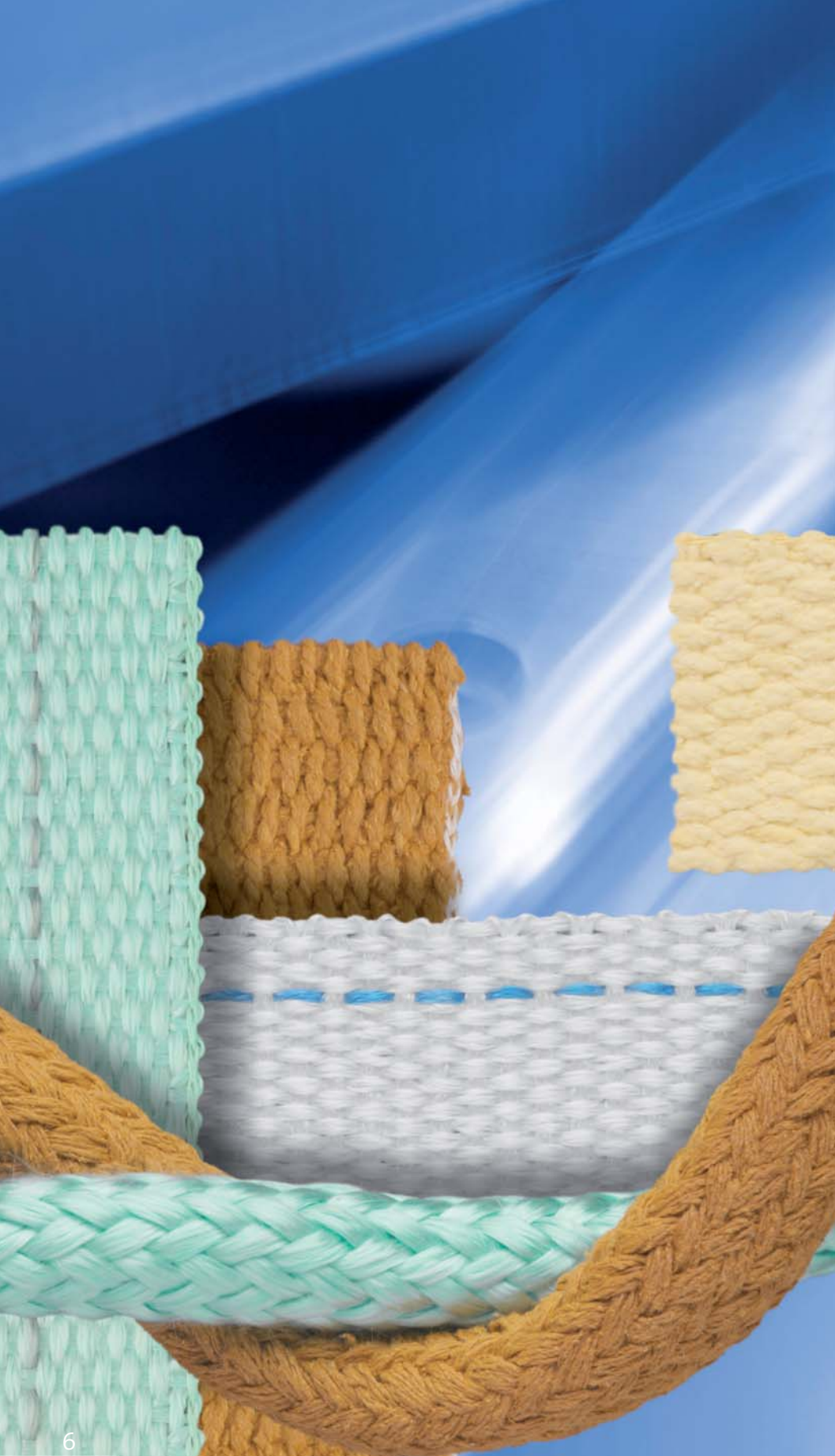
Good quality can always be improved. We have been developing and producing modern gasket materials at our location in Bad Berneck / Germany on the basis of this principle since as long ago as 1920. Today we are innovation leaders and a capable partner wherever reliability and safety are essential around the world: in power stations and chemical plants, in paper manufacturing and the food processing industry, in heating engineering and the offshore industry as well as in shipbuilding.

Our R&D team combines innovative ideas with proven products to make sure that appropriate solutions are always developed for our customers. What the whole of the diverse Frenzelit range has in common – from our customised solutions to our extensive product portfolio – is high quality, whether graphite gaskets, fibre gaskets, PTFE gaskets, metal bead gaskets, silk-screen printed gaskets or dispenser gaskets are concerned.

The first asbestos-free gasket material launched on the market anywhere in the world came from Frenzelit. The new German regulations about fugitive emission ('TA Luft') that were introduced in 2004 prompted us to develop a graphite gasket material that succeeded in fulfilling the strict specifications even without inner eyelet. The result: novaphit® SSTC^{TA-L}. It helps to guarantee safe, economic and environmentally-friendly operation in many different industries and applications.

We provide our automotive customers with individual solutions – from the original idea to series production – too. Coupled in every case with global customer service and a comprehensive worldwide sales network.





isoGLAS[®]

isoTHERM[®]

isoCOMPOSITE[®]

isoTECH[®]

novaTEX[®]

novaSEAL[®]

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Technical textiles.

Safe to use even at temperatures above 1 000°C.

Frenzelit is an impressively skilled supplier of highly temperature-resistant textiles thanks to the know-how it has developed in half a century of practical experience.

Our range in the heating and air conditioning field covers temperatures of up to 1100°C. The company's portfolio includes fully fabricated products such as insulation jackets, insulation as well as acoustic pillows, sealing rings, insulation components and fire and safety blankets.

Technical textiles from Frenzelit make sure production processes are carried out smoothly: in the aluminium industry or at foundries, in steel manufacturing or shipbuilding, in coking plants or power stations. We supply technical cords, tapes, braids, woven fabrics and needlemats with excellent technical properties that are specially designed for high temperature ranges.

The automotive industry benefits from this: our materials are used for sealing, insulation and shielding of particularly sensitive areas in engine compartments and exhaust systems. Acoustic insulation in the passenger compartment is another application area.

The technical textiles supplied by Frenzelit are as varied as the market requirements: sealing and heat insulation, reliable protection of people and objects, filtration or acoustic insulation.





Fabric expansion joints

Elastomer expansion joints

Rubber expansion joints

Metal expansion joints

PTFE expansion joints

**PTFE composite material
expansion joints**



Expansion joints.

System solutions for reliable connections in machine manufacturing and plant engineering.

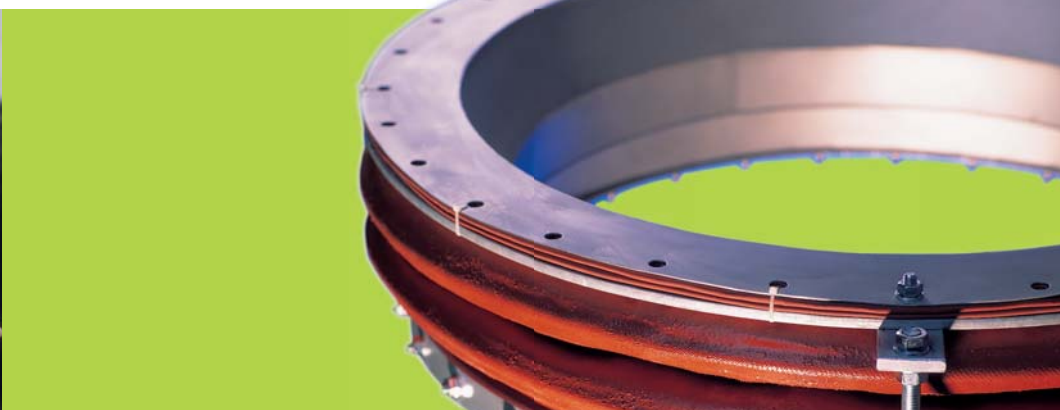
Frenzelit is a very experienced and efficient partner for fabric and elastomer expansion joint projects. Every expansion joint that leaves one of our plants incorporates the product and material skills developed over four decades.

We have increased our product range systematically in the recent years to include metal, rubber and PTFE expansion joints. As a result we are able to provide our customers a wide range of economic solutions and tailor-made services.

Individual operating conditions and the special requirements of our customers in machine manufacturing and plant engineering make personal assistance essential in all phases of every project: this includes application design, proper material selection and installation services. These are the advantages our company has to offer.

Over four decades of experience in design and manufacture of both: expansion joints and high-quality materials like texlam®, isoTHERM®, isoGLAS® and novaTEX® and the innovative PTFE laminate multilam® is another advantage of Frenzelit. The design and material make up are always configured to match the equipment and application requirements.

The combination of design and material know-how has important advantages for our customers: short implementation and delivery times and maximum safety, e.g. compliance with the SCC or PED quality standards. This assures that our customers receive the highest quality and services available.





isoGLAS[®]

isoTHERM[®]

isoCOMPOSITE[®]

isoTECH[®]

novaTEX[®]

isoplan[®]

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Insulation.

Materials designed to keep things cool.

Insulation materials 'made by Frenzelit' help to keep things cool – at temperatures of up to 1 250°C: in the aluminium industry, in machine manufacturing and plant engineering, in glass and steel production or in electrical appliances.

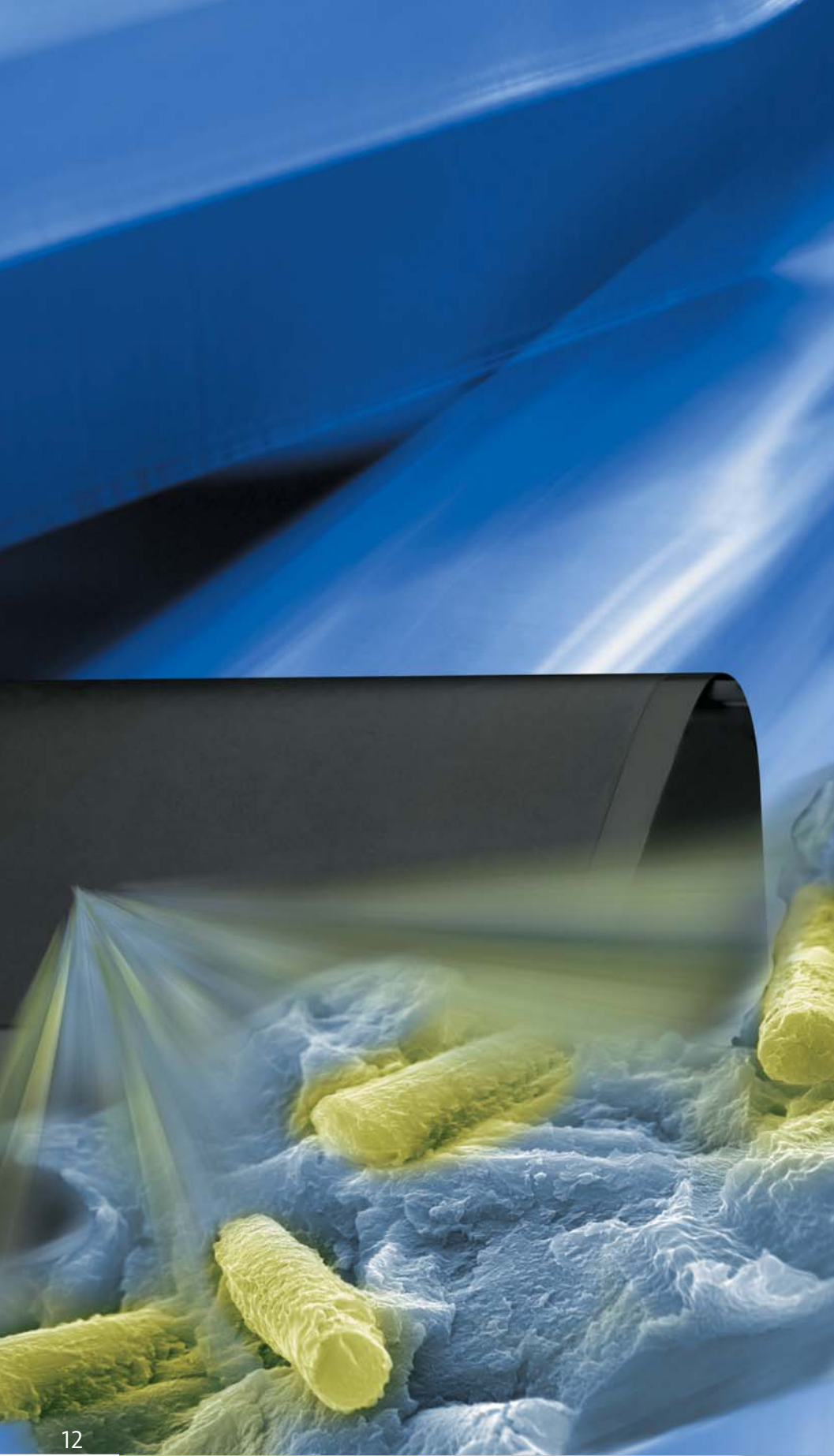
Effective insulation in the automotive industry: sensitive parts in the engine compartment stay excellently protected with our reliable materials. Our heat insulation products in catalytic exhaust systems also guarantee effective acoustic insulation and absorption as well as a long service life for important components.

At the extremely high temperatures encountered in stainless steel production, for example, isoplan® rollers guarantee economic and high-quality transport of stress-relieved stainless steel.

For many years now, we have been the OEM of choice for the insulation materials required by well-known furnace and heating boiler manufacturers for the production not only of industrial furnaces but also of heating boilers used for commercial and private purposes.

Our insulation fabrics are, however, excellent substrate materials for coating, impregnation or lamination too. Thanks to these finishing processes, we are in a position to change the properties of textile substrate materials specifically as requested by our customers. The insulating properties can as a result be adapted and changed accordingly to satisfy special requirements.





HICOTEC®

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New materials.

For the products of the future.

We have developed a family of high-performance nonwovens called HICOTEC® with properties that make them stand out from both high-performance papers and technical textiles. One of the results of our research into and experience with polymer and/or inorganic high-tech fibres and raw materials.

We have also introduced new production technologies that lead to extremely consistent and very thin two-dimensional structures. They have the ability to give surfaces specific functions, including both porous and non-porous solutions. HICOTEC® is a family of products that can cover a wide range of technological applications for different industries, saving energy and thus costs.

HICOTEC® NE – a revolutionary solution for the generation and storage of energy with low resource consumption – and without the use of any fossil fuels.

HICOTEC® TP – an efficient method to heat up both large components and large surfaces purposefully, quickly and homogeneously.

HICOTEC® CA – a very powerful filter material for the selective and spontaneous adsorption of hydrocarbons.

Practically anything is possible: electromagnetic shielding or damping, lightweight structures, wear protection layers, bearing and gasket materials or applications in the composite industry.



Close to customers – internationally.

We are there for you. All over the world.

We have a global network of local subsidiaries, service and logistic partners in more than 65 countries around the world.

More than 50% of our materials are exported worldwide to leading manufacturers, who use them in initial production as well as in their spare parts business.

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Partnership with Frenzelit.

When contacts develop into relationships.

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Internet www.frenzelit.com

- 2008 Construction of the new expansion joint workshop
- 2006 Establishment of Frenzelit IKU
HICOTEC® TP – radiant heating
- 2005 Establishment of Frenzelit Sealing Systems Inc.
- 2003 novaphit® SSTC^{TA-L} – ‘TA Luft’ system solutions
HICOTEC® – the innovation in the new materials division
- 2001 ISO/TS 16949 certification
- 1999 ISO 14001 certification
- 1998 QS-9000 and VDA 6.1 certification
- 1994 novatec® with Kevlar®: a new gasket material
ISO 9001 certification
- 1993 Establishment of needlemat production
- 1990 Construction of the new development centre and foundation of Frenzelit North America Inc.
- 1982 Presentation of the first asbestos-free gasket materials
- 1967 Start of the production of gasket papers
- 1963 Start of production of fabric expansion joints
- 1961 Take-over of the company by the Wagner family
- 1953 Start of the production of technical textiles
- 1920 Start of the production of gasket materials
- 1881 Establishment of the company by Guido Frenzel

Kevlar® is a trademark registered by DuPont.



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TECHNICAL TEXTILES

EXPANSION JOINTS

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NEW MATERIALS

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