

Metal Expansion Joints.
System solutions for reliable connections in
plant engineering and construction.



GASKETS

TECHNICAL TEXTILES

EXPANSION JOINTS

INSULATION

NEW MATERIALS

 **Frenzelit**

creating
hightech
solutions

Standard- and tailor-made Expansion Joints: Economic solutions from a single source.

Corrosive fluids, large movements, vibrations and a wide variety of pressure levels as well as extreme temperatures: The one who is responsible for plant engineering or equipment design must take many factors into consideration.

Customised solutions are essential in industrial engineering because of individual design criteria. High quality expansion joints supplied by Frenzelit are as practical as they are cost effective.

Therefore customer interaction is a top priority at Frenzelit. Together with your team our engineers will discuss your proposal and its requirements. As result, a detailed quotation with precise technical specifications will be prepared and provided to you.

With over four decades of experience in the design and manufacturing of expansion joints, you as our customer can be assured that we have not only the technical knowledge but also the experience to service your specific industry.

This includes application design, proper material selection and industry-accepted standards.

Frenzelit provides the complete product range of Metal Expansion Joints from a single source:

Round Expansion Joints

- Single-layer bellows
- Multi-layer bellows

Rectangular Expansion Joints

- Single-layer bellows

Lens Type Expansion Joints

- Unlimited numbers of compensating profiles

Materials

- Bellows, welding ends and flanges either produced from carbon steel, stainless steel or high alloyed steel according to specification or to be chosen to withstand the current medium.
- Stainless steel and high alloyed steel are available from stock to guarantee short time delivery.

Technical Data and further details see quotation or separate product information.



Application areas:

- Blowers and fans
- Cement industry
- Chemical industry
- Glass industry
- Incinerators
- Metal finishing
- Offshore industry
- Paint-spray lines
- Plant engineering
- Pulp and paper industry
- Power stations
- Railed vehicles
- Refineries
- Shipbuilding
- Steel mills
- Sugar industry
- Heating and cooling devices
- Materials handling technologies
- Water pipes
- Desalination plants
- Compressors
- Wood-processing industry



Do you have any questions about your application?
The expansion joint information service will help you:
expansion-joints@frenzelit.de



Some engineered solutions



The background of the page is a technical drawing of an expansion joint, rendered in a light green color. The drawing shows various components, including a central vertical shaft and surrounding housing parts. In the top left corner, there is a circular detail with a 30-degree angle and a dimension of 2. The text 'DIN EN ISO' is visible in the upper left area. The overall background has a green gradient.

Partnership with Frenzelit. A successful relationship.

Do you already have a specific idea about the design of your expansion joint, or is there an existing application that needs improvement within your system? A partnership with Frenzelit is in every case a valuable solution for implementing your ideas and fulfilling your needs.

What we have to offer:

Our engineers will help your design department to develop a technically and economically feasible solution for your expansion joint application. Frenzelit will assist you with theoretical and practical support at the beginning of the design phase, construction, expansion joint installation and the service life of the expansion joints.

On-site technical assistance is another benefit of a partnership with Frenzelit. This allows the “best fit” solution to your needs as our technicians work in conjunction with your field personnel saving you both time and money.

In accordance to your requirements we will work with your team to design, develop and optimise your expansion joint application adhering to our principle of “creating high-tech solutions”.

Do you have any questions about your application?

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Good for people and the environment.

The Frenzelit expansion joint division has obtained certification that the company complies with the requirements of both ISO 9001 and ISO 14001. This means complete transparency in all areas a high degree of security for our customers.

Pressure Equipment Directive 97/23/EG

Information about the application of the joint, service conditions and the medium are required with your request for quotation to select the classification category of the expansion joint acc. to Pressure Equipment Directive 97/23/EG. Frenzelit Rubber Expansion Joints subjected to the Pressure Equipment Directive 97/23/EG category I will be proved by an internal production control. Expansion Joints of category II and higher will be marked with CE and in addition with the identification number of the certifying body.

If required, Frenzelit will provide preliminary test documentations, calculations acc. to EJMA, PED, AD 2000, test reports 2.1 or inspection reports 3.1 acc. to EN 10204 and declarations of conformity according to the classification.

This assures that our customers receive the highest quality for products and services.

Quality management

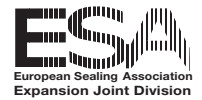
ISO 9001

Environmental management

ISO 14001

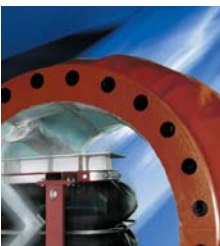
Installation services

SCC certification



Further expansion joints from Frenzelit

**Fabric
Expansion Joints**



**Rubber
Expansion Joints**



**PTFE
Expansion Joints**



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