

Rubber 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.

Available materials for highFLEX SFR rubber expansion joints:

- Neoprene
 - EPDM
 - Butyl
 - Nitril
 - Hypalon®
 - Viton®
 - Natural rubber
- It is also possible to combine different elastomer materials at inside and outside for specific Expansion Joints



Available styles / accessories:

- Sealing surface with steel reinforcement for floating flanges
- Back up bars with grooves according to DIN PN 10/16 or ANSI 150lb
- Full face elastomer flanges with fabric reinforcement
- Back up bars with shoulder
- Female threads for size 1/2" to 3"
- Tie-rods
- Special tie rods for Lateral Expansion Joints
- Additional PTFE lining
- Vacuum supporting rings / spiral support
- Flow liner

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.com



Some engineered solutions



Frenzelit easyFLEX tailor-made:

These Expansion Joints are specifically designed to fit the requirements for materials-handling and weighing devices. They combine highest flexibility with pressure resistance and resistance versus pressure blasts.

Materials:

- Silicone rubber white, red or black
- EPDM
- Fluorelastomer (Viton®)

Reinforcements:

- Polyester fabric
- novaTEX® fabric (Aramid/Kevlar®)
- isoGLAS® fabric

Supporting rings:

- Internal stainless steel rings
- Stainless steel rings bounded to elastomer

Flange styles:

- Full face rubber joints unpunched, punched
- Both sides different flanges, bolt hole pattern
- Conical shape
- As interface from circular to square

Application examples:

- Handling of plastic granulat
- Scales for coal dust and toner
- Transportation of paint pigments

Viton®, Hypalon® und Kevlar® are trademarks registered by DuPont.

In accordance to your requirements we will design technical and economical solutions.

On-site technical assistance allows the “best fit” solution to your needs as our technicians work in conjunction with your engineers to design and optimise your expansion joint application adhering to our principle of “creating high-tech solutions”.

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 is 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 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 certified



Further expansion joints from Frenzelit

Fabric Expansion Joints



Metal Expansion Joints



PTFE Expansion Joints



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