

novaform® FDV

Gaskets with dispensing technology.



Material profile

Gasket systems named novaform® FDV are produced with dispensing technology. The dispensing system creates a free sealing bead with defined geometry (see picture). The special dispensing system forms a dimensionally stable sealing element. The sealing bead consists of non-corrosive curing silicone or a special fluoro-silicone for higher media resistance. Dimensions of bead and groove are designed to mate. Besides usual application as gasket in floating arrangement novaform® FDV can also be used as gasket system with dispensing bead on a part or component without groove or shoulder.

Application areas

- Oil pan
- Pumps
- Components for gear boxes and hydraulics
- Compressors, turbines
- Other secondary gaskets in engines

Good for people and the environment

The Frenzelit Automotive Gasket Division has obtained certification that the company complies with the requirements of ISO/TS 16949, ISO 9001, ISO 14001 and ISO 50001. This means complete transparency in all areas and therefore provides a high degree of security – for the benefit of our employees, the environment and our customers.

If you have any application engineering questions, we will be delighted to answer them. Just contact:

automotive@frenzelit.com

GASKETS

TECHNICAL TEXTILES

EXPANSION JOINTS

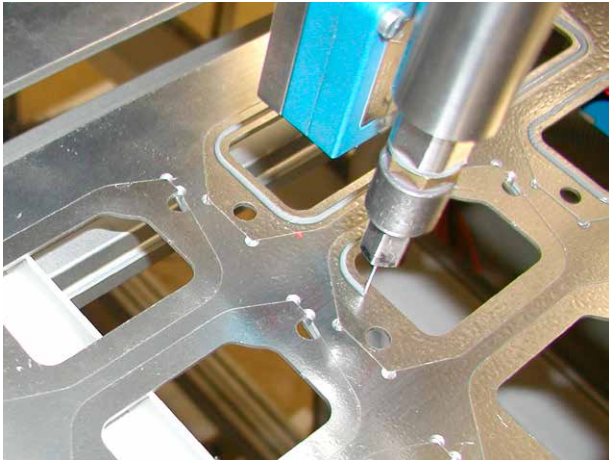
INSULATION

NEW MATERIALS

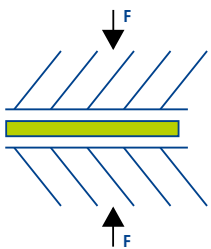
 **Frenzelit**

creating hightech solutions

Technical information about novaform® FDV

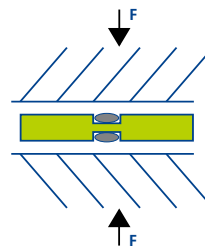


Gasket in contact arrangement



Many gasket systems seal in contact arrangement. The gasket hereby carries the same mechanical load as all other components. This often leads to gasket failure.

Gasket in floating arrangement



novaform® FDV seals in floating arrangement. The components are tightened “en bloc” touching each other. The elastomeric bead seals permanently due to inner stress of the rubber (like an O-Ring) and is free of additional mechanical stress.

Engineering and Service

Frenzelit is specialised in manufacturing gaskets to specification. With state-of-the-art technical systems at hand, e.g. various CAD systems and a FEM simulation software, the required products can be adjusted to the exact requirements of the applications in question. Prototypes for testing purposes are manufactured in small lot sizes and at short notice. In this way we are able to develop the best possible solutions for all kinds of flat gasket applications for and together with our customers.

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