

www.gambitgl.pl

STATIC SEALS FOR FLANGE CONNECTIONS

Gambit offers a wide range of various high quality types flange seals that meet various customer requirements.

We manufacture gaskets for flanges in accordance to below codes:

EN 1759 - flanges in a metric system with classes specified

EN 1092 - flanges in a metric system with PN specified

ASME B 16.5 in an inch system with classes specified

For such defined flanges, Gambit manufactures gaskets in accordance with appropriate standards defining the construction and dimensions of gaskets. The numbers of these standards will be referred to in the description of the gasket types. We also make gaskets, not standard ones, defined by the customer.

In order to meet customer requirements related to various flange systems, we manufacture different types of gaskets:

- | | |
|---|--|
| 1 | GAMSEAL cut gaskets from AF Gasket sheets |
| 2 | GAMBITGRAF cut gaskets from graphite gasket sheets |
| 3 | GAMPROFILE kammprofile |
| 4 | GAMSPIR® spiral wound gaskets |
| 5 | AZMES - Spiral wound manhole gaskets |
| 6 | GAMFLEX metal jacket gaskets |

GAMSEAL CUT GASKETS

Flat gaskets are cut from Gambit AF gasket sheet series, which are aramid-elastomer sheets without reinforcement or additional metal reinforcements. They are used to seal static joints, as well as flange joints when each segment of a system is connected to another.

Working parameters and calculating coefficients are consistent with data referring to Gambit AF gasket sheets - see the catalogue of AF sheets.

Working conditions (parameters):

Depending on a type of an AF series gasket sheet. The detailed conditions can be found in the catalogue of AF sheets.

Construction

We offer cut gaskets in accordance with the following standards:

EN 1514-1	DIN 2690	DIN 28040
EN 12560-1	DIN 2691	DIN 86071
ASME B16.21	DIN 2692	DIN 86072
DIN 82331		

Dimensions

All range of standards. We also cut gaskets in any shape according to the customer's drawings, bigger size of ring gaskets we cut in puzzle sections.

We manufacture gaskets according to the 14th class of accuracy in consistency with **PN-EN ISO 286-2, PN-EN 22768-1**



TYPES OF CONSTRUCTION



GAMSEAL

A gasket cut from aramid-elastomer sheets. The most frequently used gasket type that is versatile and has an ability to reach high tightness with a relatively low assembly clamp.



GAMSEAL O

Cladded with acid-resistant steel or copper from the outside. Such a solution secures the sealing material from an influence of surrounding medium (usually air) and reinforces the gasket mechanically.



GAMSEAL Z - gaskets reinforced with a metal mesh

Gasket material additionally reinforced with metal mesh. Such a construction improves resistance to changing conditions of inner pressure and increases resistance to surface stress. In order to obtain tightness, a higher assembly clamp is required.



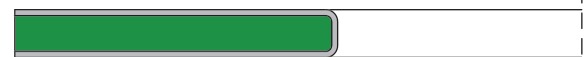
GAMSEAL IO

Inner and outer cladding made of metal secures the gasket material from negative influence of sealed medium and surrounding medium. Double cladding mechanically reinforces the gasket.



GAMSEAL I

Cladded with acid-resistant steel or copper from the inside. Such a solution secures the sealing material from an influence of sealed medium and reinforces the gasket mechanically.



GAMSEAL TF

A gasket made of an AF sheet enveloped with PTFE. The outstanding chemical resistance of PTFE secures the gasket from a chemical influence of sealed medium and the elastic material inside guarantees maintenance of assembly stress, assuring tightness throughout the whole exploitation period.

Calculating coefficients

They depend on applied gasket sheet type. Our offer comprises of a lot of sheet types which allows for choosing an economically and technically optimum sheet. Calculating coefficients are available at www.gambitgl.pl



Other non-metal gaskets cut from gasket sheets:

Fibra: T_{max} 150°C, P_{max} 1 MPa

Expanded graphite: Temperature: -200 ÷ 450°C (max. 550°C in steam)
Pressure: max 12 MPa (120 bar)

PTFE: T_{max} 250°C, P_{max} 6 MPa

Thermogambit: T_{max} 800°C, P_{max} 20 MPa