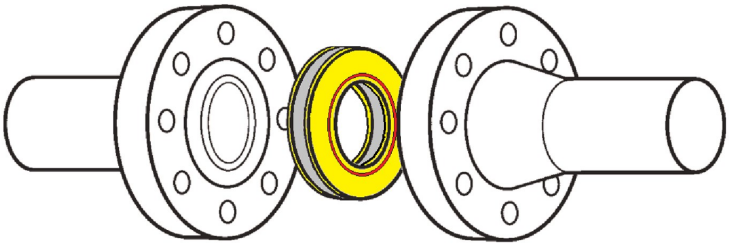
Spiralit
INDUSTRIAL GASKETS

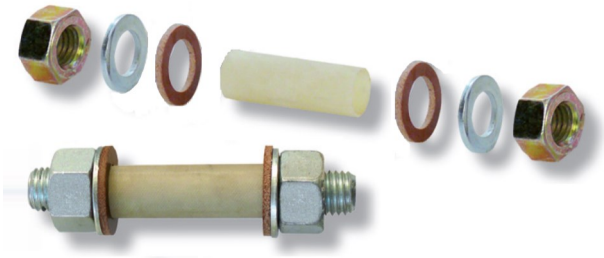
Product information

Nr. 83 Rev 3/2019

FLINK SPRING



L SERIES



Material: 316L / G10-G11 / Lip-Seal PTFE/Elgiloy

Technical data Lip-Seal:

Parameter	Energized lip seal PTFE/ELGILOY
Max. Pressure (bar)	From vacuum to 800*
Max. working temperature (°C)	-200 / 260
pH range	0 ÷ 14

* For higher pressures contact the technical department.

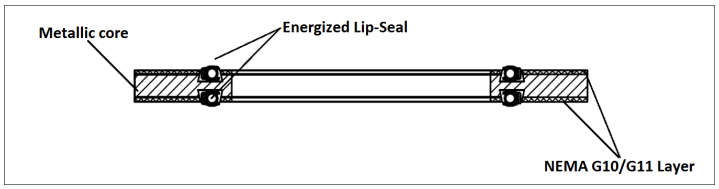
Technical data layers, sleeves and washers:

Parameter	Nema G10	Nema G11
Density (g/cm^3)	1,9	1,9
Max. working temperature (°C)	130	155
Tensile strenght (MPa)	430	300
Compressive strenght // (MPa)	-	-
Compressive strenght ⊥ (MPa)	520	400
Dielectric strenght // (kV)	35	35
Dielectric strenght ⊥ (kV/mm)	20.9	20.9
Insulation resistance (MΩ)	5x10^4	5x10^4
Water absorption (%)	0.4	0.4

Description:

Insulation kit is used to guarantee the electrical insulation between two flanges, in this way we can prevent electrochemical or galvanic corrosion process. It is used in order to prevent contact between two materials with different electrical potential, without modify with the flanges' tightening. It is suitable for flanges with rating up to ANSI 2500 and API 10000.
Flanges and bolts insulation is guarantee by sleeve and washer.
The kit are composed by:

- Insulation gasket manufactured by an Aisi 316 core in which we install two energized lip seal (PTFE/Elgiloy) and insulating layer (Phenolic resin: NEMA G10/G11) on both side as here showned



- Insulation sleeve for each bolt (G10/G11),
- Couple of insulating and steel washer for each bolt,

Other material on request.

Application /service:

- Cathodic flange insulation.
- Prevent electrochemical or galvanic corrosion process.
- Coupling between different type of flange (i.e. Ring Joint and Raised-Face flanges).
- Eliminate stagnation of aggressive fluids between the Ring Joint Gasket and the flanges.
- Minimize the fluid stagnation, the flow turbulence and erosion between ring joint and flanges.
- Due to its lip seal, the gasket requires a low tightening loads; acting on the gasket the fluid pressure increase the specific load.

SPIRALIT SRL – Via Molise, 30 – 20085 Locate di Triulzi, Milano – Tel. +39 904817.1 – Fax +39 904817.220 E-mail: spiralit@spiralit.it – http://www.spiralit.it