



GAMPROFILE Grooved gaskets

Grooved gaskets consist of a serrated metal core with a soft facing material. The most commonly used materials for the soft facing are PTFE or expanded graphite. They are used across a wide range of temperatures and pressures of the sealed medium. Their design protects against the "blow-out" phenomenon and makes them less susceptible to damage caused by mistakes during installation.

Working conditions (parameters):

- Temperature: from -200°C to 550°C
- Maximum pressure: p_{max} up to 25 MPa

Standard materials:

- Metallic ring: SS 304; SS 304L; SS 316L
- Sealing material: PTFE; expanded graphite

Dimensions:

We offer grooved gaskets in accordance with the following standards:

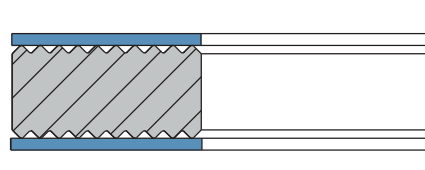
EN 1514-6

EN 12560-6

TYPES OF CONSTRUCTION

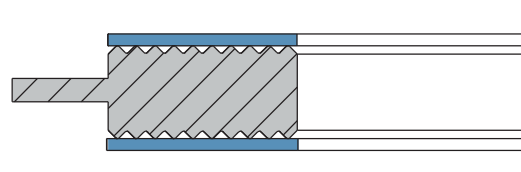
GAMPROFILE

A grooved gasket without a centering ring. This type is used only with spigot faces or tongue and groove faced flanges. Not recommended for flat face or raised face flanges due to issues with centering the gasket properly on the flange.



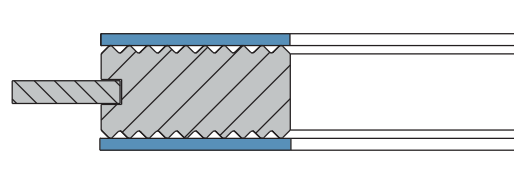
GAMPROFILE O

A grooved gasket with an integral outer ring. Used for flat face and raised face flanges, the outer ring allows for proper centering of the gasket on the flange.



GAMPROFILE OP

A grooved gasket with a loose outer ring. Used for flat face and raised face flanges, the outer ring allows for proper centering of the gasket on the flange and for dismantling the loose outer ring when necessary.



Calculating coefficients:

Gasket type GAMPROFILE	ASME s. VIII		AD-2000 Merkblatt		DT-UC-90/WO-0/19						
	y MPa	m -	$k_y k_o$ N/mm	k_t mm	σ_m MPa	σ_f MPa	Value of the "b" coefficient of gaskets in temperature				
							20°C	100°C	200°C	300°C	400°C
with graphite	16,2	3,5	$15 b_o$	$1,1 b_o$	15,5	$7,0 p_o$	1,1	1,1	1,1	1,1	1,1
with PTFE	18,8	3,5	$15 b_o$	$1,1 b_o$	20,2	$7,0 p_o$	1,1	1,2	1,6	-	-

All the information contained in this catalogue is based on years of experience in the manufacturing and use of these products. Due to the fact that the operation of a gasket in a bolted flange connection depends on many factors resulting from the method of installation, the operating parameters of the installation and the sealed medium, the provided parameters are indicative and do not constitute grounds for claims. The specific application of the products requires contact with the manufacturer.