Threaded connectors - flat gaskets

Flat (butt) seal GD is intended for sealing the connection between an external cylindrical thread (e.g. GZ BSP) and an internal thread (e.g. GW BSP). The gasket should be positioned in the female thread seat in such a way as to prevent it from being off-centre and adhere to the flat surfaces of the female thread seat and the male threaded spigot. Working pressure: 25 bar.

Note: Depending on the manufacturer, the colour of the gaskets may differ from those shown in the table below.

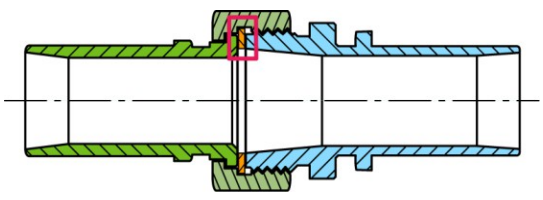
thread [inch]	gasket dimensions [mm]	 EPDM	 Novapress*	 PTFE	 polyurethane	 viton
GW 1/2" BSP	20x13x2	GD-013-EP	GD-013-NP	GD-013-PTFE	GD-013-PU	GD-013-VI
GW 3/4" BSP	26x19x2	GD-020-EP	GD-020-NP	GD-020-PTFE	GD-020-PU	GD-020-VI
GW 1" BSP	33x24x2	GD-025-EP	GD-025-NP	GD-025-PTFE	GD-025-PU	GD-025-VI
GW 1.1/4" BSP	42x33x2	GD-032-EP	GD-032-NP	GD-032-PTFE	GD-032-PU	GD-032-VI
GW 1.1/2" BSP	48x39x2	GD-038-EP	GD-038-NP	GD-038-PTFE	GD-038-PU	GD-038-VI
GW 2" BSP	60x49x2	GD-050-EP	GD-050-NP	GD-050-PTFE	GD-050-PU	GD-050-VI
GW 2.1/2" BSP	78x63x2.5	GD-065-EP	GD-065-NP	GD-065-PTFE	GD-065-PU	GD-065-VI
GW 3" BSP	88x77x3	GD-080-EP	GD-080-NP	GD-080-PTFE	GD-080-PU	GD-080-VI
GW 4" BSP	114x100x3	GD-100-EP	GD-100-NP	GD-100-PTFE	GD-100-PU	GD-100-VI

* - Novapress® is a fibre, filler and rubber type seal, designed primarily for steam and hot water applications

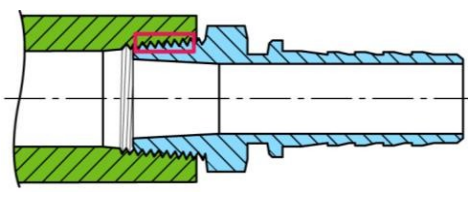
Verification of chemical resistance of the gasket: table of chemical resistance of the material (pre-selection), confirmation of resistance and conditions of use (temperature) by Tubes International. Approximate resistance of gasket materials and range of possible temperatures in the table below.

gasket material	chemical resistance	maximum operating temperature range*
EPDM	good resistance to hot water and steam resistant to light chemicals (acids, bases) not resistant to fuels and oils ozone- and age-resistant	-50ºC÷ +180ºC
Novapress Multi	good resistance to hot water and steam good resistance to fuels and oils	-25ºC÷ +250ºC
PTFE	excellent chemical and temperature resistance good ozone and weather resistance	-40ºC÷ +250ºC
polyurethane	good resistance to oils and petroleum products poor chemical resistance	-40ºC÷ +110ºC
viton	good chemical resistance good ozone and weather resistance	-20ºC÷ +200ºC

* - maximum operating temperature range, without taking into account the influence of the medium (chemical resistance to the substance flowing through the joint at a given temperature)



butt seal with flat gasket



sealing on threads (NPT, BSPT) e.g. with Teflon tape