

## Technical Data Sheet

### Kammprofile Gaskets

The FLEXPRO™ gasket has been providing an extremely tight, reliable seal in a wide range of applications globally since its development in Germany over 50 years ago.

The FLEXPRO™ gasket is comprised of a concentrically serrated solid metal core with a soft, conformable sealing material bonded to each face. The soft facing material provides low stress gasket seating, while the serrated geometry of the metal core enhances sealing performance by inducing stress concentrations on the sealing surfaces. The serrations minimise lateral movement of the facing material, while the metal core provides rigidity and blowout resistance.

The FLEXPRO™ gasket exhibits excellent compressibility and recovery characteristics, maintaining joint tightness under pressure and temperature fluctuations, temperature differential across the flange face, flange rotation, bolt stress relaxation, and creep. Suitable for vacuum to extremely high pressure applications.

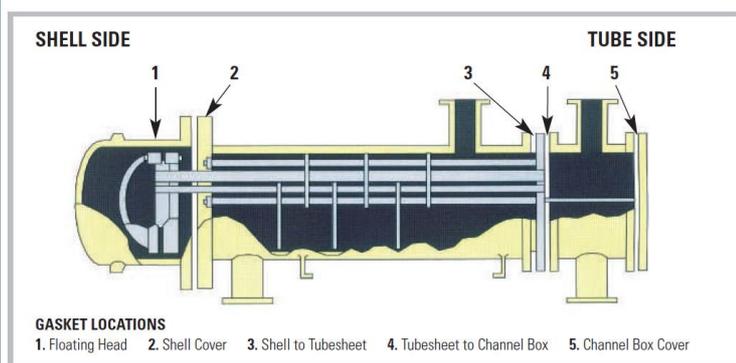
Ideal for Shell and Tube style Heat Exchanger Flanges. Although suitable for use on all standard pipeline flanges in a wide range of difficult applications, the FLEXPRO™ gasket is proving to be reliable, as a cost effective alternative to metal jacketed gaskets, that are commonly used in heat exchanger applications.

Use of the FLEXPRO™ gasket will ensure a reliable seal, from initial hydrotest through difficult operating conditions.

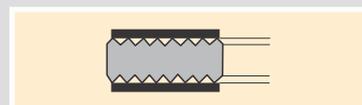
FLEXPRO™ gaskets are suitable for use on TEMA flanges, and when required, pass partition ribs can be supplied in any configuration.

The FLEXPRO™ gasket provides a high integrity, low seating stress seal, and is ideal for heat exchanger applications with limited bolt load or less rigid flanges.

**Metallics**

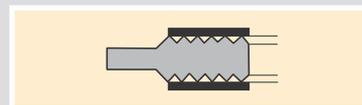


#### Style PN



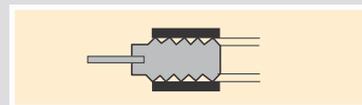
Style PN FLEXPRO™ gaskets are selected for use in confined locations, including male and female, tongue and groove, spigotted and/or recessed flange arrangements.

#### Style ZG



Variation of the PN FLEXPRO™, utilises an integral outer locating ring for correct gasket positioning within the flange assembly bolt circle. Style ZG FLEXPRO™ gaskets are recommended for use in standard raised face and flat face flange assemblies.

#### Style ZA



The Style ZA FLEXPRO™ is a slight variation of the Style ZG. The integral outer locating ring is replaced by a loose fitting independent ring which is preferred in applications where differential radial thermal expansion may be encountered.

Please contact us for details on the materials we supply Flexpro™ Kammprofile gaskets in.



Certificate Number: 14352  
 ISO 9001



Care should be taken in selecting the most suitable quality for each application. Advice is available, but final responsibility remains with the customer.

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