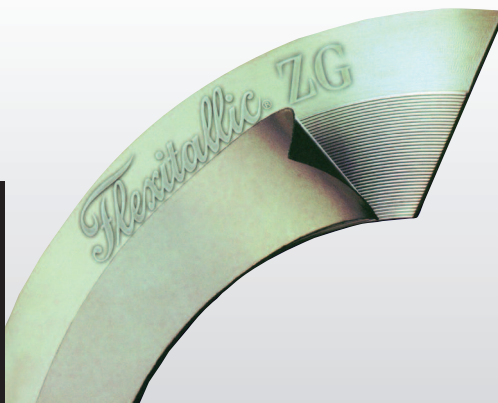


Flexitallic®



PRODUCT DATASHEET

FLEXPRO™ STYLE PN



Flexpro™ Style PN is a high performance semi-metallic gasket designed for use on male female and tongue-groove flanged connections.

Flexpro™

This Data Sheet refers to the material as supplied. The information contained herein is given in good faith, but no liability will be accepted by the Company in relation to same.

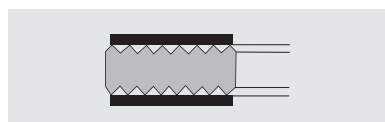
We reserve the right to change the details given on this Data Sheet as additional information is acquired. Customers requiring the latest version of this Data Sheet should contact our Applications Engineering Department.

The information given and, in particular, any parameters, should be used for guidance purposes only. The Company does not give any warranty that the product will be suitable for the use intended by the customer.

Health & Safety

For further Health and Safety information please see the relevant Material Safety Datasheets or contact Flexitallic Ltd.

Disclaimer
Please note, failure to select the correct materials or products we supply ("the Products") may result in damage to plant, equipment or property. In some instances, it may cause death or personal injury. We are not designers and do not give advice about design related matters concerning the Products. We can help and assist with the technical specifications for the Products. In specific applications, particularly where critical conditions exist, we will try to assist you within the limitations of the services that we offer. All information supplied by us is intended as technical co-operation outlining the specifications of the different Products which we supply. To the extent permitted in law, no warranty is given in respect of any information supplied by us. The customer must satisfy themselves as to the suitability of the Products for their intended application and use. The correct fitting of Products is the responsibility of the customer. Your statutory rights remain unaffected. Save in respect of death, personal injury or fraud, our entire liability to you, however arising from the supply of Products shall be limited to the £10M indemnity amount provided by our insurers.



Flexpro™ Style PN is comprised of a concentrically serrated solid metal core with a soft, conformable sealing material bonded to both faces. The soft material provides low stress gasket seating and the strong metal core provides rigidity and blowout resistance. The serration profile on the metal core enhances sealing performance by inducing stress concentrations on the sealing surfaces.

Service:

Flexpro™ Style PN gaskets have been successfully used for many years and are suitable for use in a wide range of sealing applications, most notably heat exchangers. They are capable of providing high integrity seals in most demanding environments, even in load compromised situations. Gasket metallurgy, serration profile and facing material selection can be tailored to suit specific applications. Typical applications include HP and superheated steam, high pressure hydrocarbon and chemical service.

Maximum recommended temperature: 1000°C (1830°F)

Maximum recommended pressure: ASME B16.5 2500#

Materials:

Facing material*:
Flexicarb, Thermiculite, Sigma, Silver.

Serrated metallic core:**
Austenitic Stainless steels,
High-Temp alloy grades.

**Material combination dependent on application.*

***Other, customer specified materials may be available on request.*

Availability:

Gasket size:
Up to 5,000mm

Thickness range:
2.5mm to 5.0mm

Other thicknesses may be available on request or may be used when design constraints dictate.

****Also available in various pass bar configurations to suit partition rib arrangement on heat exchangers****

Typical Physical Properties:

ASTM 'Y' Factor	17MPa (2500psi)
ASTM 'm' Factor	2.0
PVRC 'Gb'	387psi
PVRC 'a'	0.33
PVRC 'Gs'	14psi

The above design factors are applicable for standard serration profile core faced with 0.5mm, 1g/cc Flexicarb foil.

Gasket factors to EN13555 for design calculations to EN1591 are available on request.

HEAD OFFICE: 9 Spiersbridge Terrace, Thornliebank Ind. Estate, Glasgow G46 8JH Tel: +44 (0) 141 620 1666

Fax: +44 (0)141 620 1888 **Email:** sales@williamjohnston.co.uk **www:** williamjohnston.co.uk

The
Flexitallic
Group