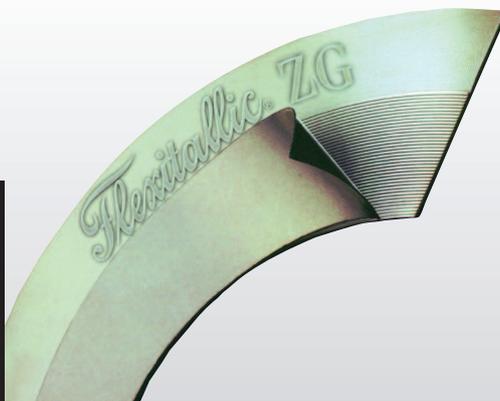


# Flexitallic®



## PRODUCT DATASHEET

# FLEXPRO™ STYLE ZA



Flexpro™ Style ZA is a high performance semi-metallic gasket designed for use on flat and raised faced 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.

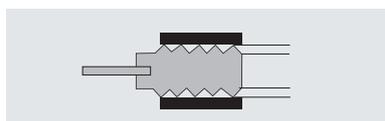
The information given and, in particular, any parameters, should be used for guidance purposes only. The Company does not give any warranty that the product will be suitable for the use intended by the customer.

### 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 ZA is comprised of a sealing element made from a concentrically serrated metallic core faced with a soft sealing material and a loose outer locating ring fitted into a grooved channel around the edge of the metal core. The sealing element offers high levels of joint integrity across a wide range of compressive loads. The gasket locating ring ensures correct and trouble free positioning of the gasket during installation.

### Service:

Flexitallic Flexpro™ Style ZA gaskets have been successfully used for many years and are suitable for use in a wide range of sealing applications. They are capable of effecting a high integrity seal in the 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 2500lb

*\*Material combination dependent.*

### Materials:

**Facing materials\*\*:**

Flexicarb, Thermiculite, Sigma, Silver.

**Serrated metallic core\*\*:**

Austenitic stainless steel, Inconel.

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

Flexpro™ Style ZA gaskets can be supplied to suit standard pipeline DIN or ASME flanges or to bespoke arrangements for pressure vessels or ancillary plant and equipment. Available serration profiles include 'standard', 'shallow P' and 'modified shallow or ball profile'.

### Availability:

**Gasket size:**

Up to 5,000mm

**Thickness:**

5.0mm

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

### 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 gasket 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.