

Topog-E[®] Series 2000 gaskets

They're what your *high pressure boiler* would choose...

William Johnston and Company Limited

The steam boiler market makes extreme demands on gaskets; Topog-E[®] **Series 2000** gaskets are specifically designed and fabricated to provide the superior performance users of Topog-E[®] gaskets have come to expect – but at higher operating pressures and temperatures. These branded, engineered gaskets provide a cost-effective, reliable, and easy to use alternative to tacky-cloth, spiral wound and expanded PTFE gaskets.

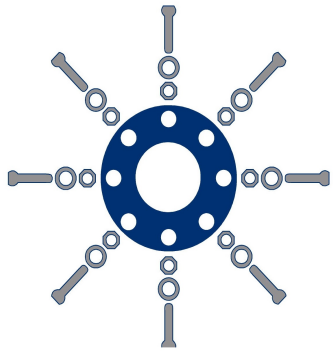
MATERIAL DESCRIPTION

REINFORCED EXFOLIATED
GRAPHITE FOIL

SERVICE SUMMARY

Steam boilers: to 2,000 psi (138 bar)
and 636° F (336° C)





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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.

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APPLICATIONS

Topog-E[®] **Series 2000** gaskets can be used as a cost-effective sealing alternative in most types of higher pressure industrial vessels and tanks that have inspection openings. The proprietary graphite used to manufacture these gaskets gives them exceptional thermal stability combined with chemical inertness, ensuring superior service capability under simultaneous conditions of saturated and superheated steam. They provide boiler manufacturers, users and service companies handhole and manhole gaskets with unprecedented characteristics.

ADVANTAGES

Compared to spiral wound gaskets, Topog-E[®] **Series 2000** gaskets are compressible enough to conform to the topography of the mating surfaces – even on old worn and pitted flanges – with less torque. Their recovery characteristics are also superior to spiral wound gaskets and they are significantly lighter than spiral wound products. Topog-E[®] **Series 2000** gaskets are easy to remove and replace with no chiseling or buffing required. Sizes are clearly marked on each gasket for easier identification.

MATERIAL

Made from multiple layers of exfoliated graphite foil and reinforced with 316 stainless steel foil for added stability. Standard gasket thickness is 0.25" (6 mm).

SERVICE

Temperature: up to 636° F (+336° C) in steam boilers
up to 850° F (+454° C) in atmosphere

Pressure (typical): 250 – 2,000 psi (17 – 138 bar)

TORQUE SPECS

M Factor = 2 (smooth sealing surface)

Y Stress = 900 psi (6 MPa) (smooth sealing surface)

Max Gasket Load = 24,000 psi (165 MPa)

SIZES

Topog-E[®] **Series 2000** gaskets are available in all standard sizes and shapes. Custom sizes and shapes can be made with short lead times and minimal setup charges.

ORDERING

Please either contact your local distributor for **Topog-E[®] Series 2000** gaskets or contact Topog-E Gasket Company directly for details of your nearest distributor.

DISCLAIMER

All information in this data sheet is based on data believed to be reliable, however we make no guarantee or warranty of performance of **Topog-E[®] Series 2000** gaskets. Because there are many application-specific factors that can affect service life it is always advisable to first test **Topog-E[®] Series 2000** gaskets in a particular application to determine their ultimate suitability.



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