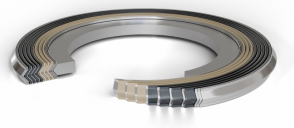
PLANISTEEL SW DUO MG

Composition

Spiral wound gaskets are manufactured by coiling a V-profile metal strip together with a soft filler material, forming a flexible and pressure-resistant sealing element. The metal strip provides structural integrity and elasticity, while the filler ensures effective sealing performance. Spiral wound gaskets for LMF flanges should be supported by an inner ring, although this is not mandatory, while those for LTG flanges are supplied without rings.

- **Metal strip:** any type of steel or alloy is available
- **Filler:** industrial grade graphite and Megatherm Mica



Characteristics

Planisteel SW DUO MG spiral wound gaskets are primarily manufactured in accordance with ASME B16.20 but gaskets made to other international standards or customized specifications are also available.
Planisteel SW DUO MG spiral wound gaskets, specifically designed and manufactured using carefully selected materials and tightly controlled processes, ensure maximum safety and freedom from contaminants, offering high reliability even in the most critical environments.

Performance Specifications	UM	Value
Minimum temperature	°C	-200
Maximum temperature with mild oxidizers	°C	450
Maximum Temperature	°C	$550_{\text{see note}}$
Maximum Pressure	bar	according to the gasket rating
Graphite and Mica Chemical Resistance	pH	0 ÷ 14
Min. Gasket Seating Stress - Sgmin-$S_{L=0.001}$	MPa	42
Min. Gasket Operating Stress - Sgmin-O	MPa	30
Max Gasket Operating Stress - Sgmax	MPa	280

The sealing factors were obtained from tests carried out on the SWCI design.
Graphite is not allowed with oxdiizing fluids. With non-oxidizing fluids, the maximum temperature of 550°C refers to the RF flange applications while for those LMF and LTG the limit is 650°C.

Applications

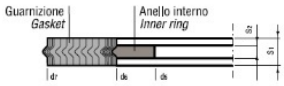
Spiral wound gaskets for pindustrial valves, and industrial equipment.

PLANISTEEL SW DUO MG

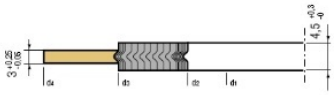
he **Planisteel SW DUO MG** gasket range, which includes spiral wound gaskets for all RF, LMF, and LTG flanges and is manufactured using all metals and fillers required for industrial applications, is available in four different designs. **Planisteel SW DUO MG** spiral wound gaskets are qualified according to major international type approval tests (TATs). Check the availability of Planisteel SW products in the **online stock**.

SW

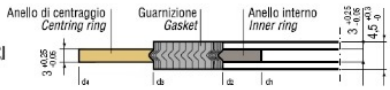
SWI



SWC



SWCI



The information provided in this publication, as well as that supplied to users in other forms, is based on our experience and communicated according to the best knowledge available. However, since numerous factors beyond our knowledge and control may influence the use of the products, no warranty, explicit or implicit, is given regarding such content. The operating limits indicated do not constitute confirmation that these values can be applied simultaneously. Avoid using the product at the maximum temperature and pressure limits. The maximum temperature is sustainable only for short periods under specific conditions. Specifications may be changed without notice. The images in the DS may not exactly represent the product, its color and/or marking.

Carrara S.p.A.,
Via Provinciale 1/E - 25030 Adro - BS - Italia
tel. +39 030 7451121 carrara.it - info@carrara.it