

TECHNICAL DATA SHEET - CST 1100/03 - 23/04/2015

PLANISTEEL SW OXY

Composition

- winding – all kind of SS or Alloy material
- filler – flexible graphite 99.85% C content
- rings – in compliance with the standard or on demand

Features

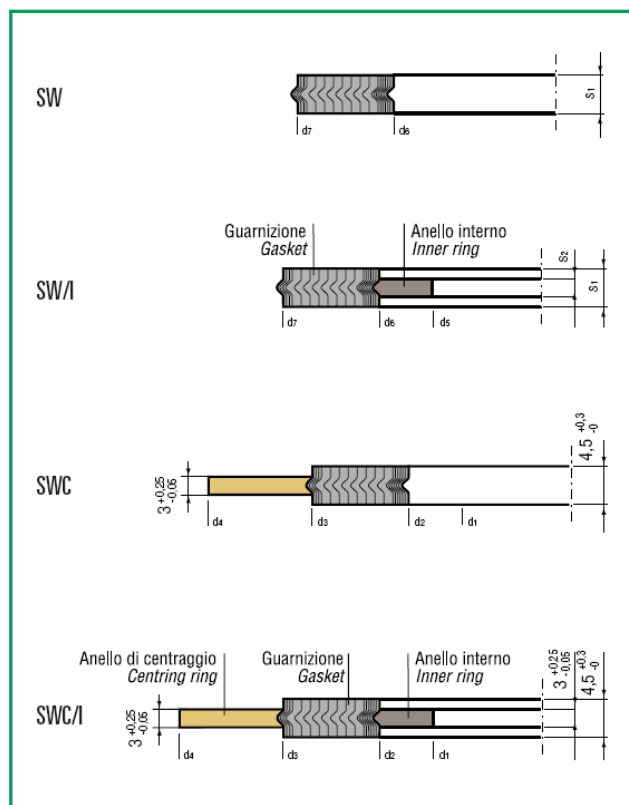
The spiral wound gaskets Planisteel® SW OXY are available in different sizes, either standard or customized, and configurations BAM approvals no. 15019238E and 15019236E.

- Autogenous Ignition Temperature (AIT) - No ignition of the graphite has been detected in five tests with final oxygen pressure of 265 bar at the temperature over 500°C.
- Gaseous Impact Test (GOI) – No reactions of the material had been detected at a final oxygen pressure of 390 bar at the temperature of 300°C.
- Reactivity with Liquid Oxygen on Mechanical Impact (LOI) – No reaction of the test sample with liquid oxygen has been detected at drop heights of 1.00 mt (impact energy 750 Nm), in ten separate tests.
- AIT after artificial aging – after aging at the conditions of 325°C and 250 bar for 100 hours, the aged sample did not ignite at temperatures up to 500°C.

On demand the gaskets can be tested in accordance to ASTM G136 – 03 (determination of soluble residual contaminants in materials by ultrasonic extraction) which confirms the clean condition of the gaskets

Applications

Suitable for Liquid and Gaseous Oxygen Service.



Maximum Temperature [°C]	Maximum Oxygen Pressure [bar]
60	450
300	250