



Halo Seal Technical Datasheet

Description

The Halo Seal is a cost effective alternative to spiral wound and kammprofile gaskets in standard and non-standard flanges. It comprises a unique 'interchangeable' sealing element paired with a 'split' guide-ring within a patented two-part design. The ability to reuse the outer ring results in lower costs and reduced inventory.

Application

The Halo Seal has been created to address the issue of fugitive emissions in high-integrity and business-critical applications within industrial sectors such as refining, chemical, power and pipeline construction. It provides an extremely tight and stable joint seal even in applications subject to thermal cycling, pressure variations, flange rotation, stress relaxation and creep. The Halo Seal can be used across the full range of pipe pressure classes as well as in vessel flanges and other non-standard applications.

Profiles



Removal

The unique gasket design facilitates the easy removal of the sealing element from the outer ring. Pressure applied releases it from the guide ring.



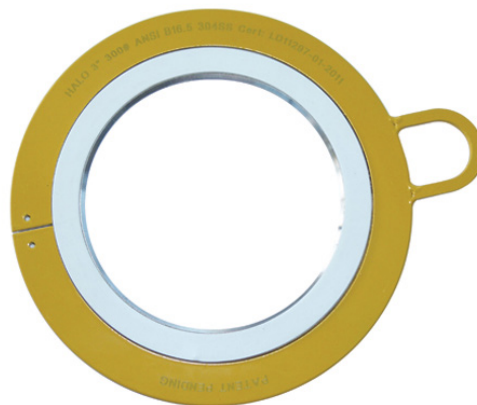
Replacement

The sealing element can be removed at the flange, at stores or at the supplier. The locating tab allows the guide ring to be left on the flange after disassembly.



Refitting

A new sealing element clips easily back into the reusable guide ring. The Halo Seal is now ready to be installed in the flange.



Availability

Core Thickness	3mm for standard core Larger gaskets may required thicker cores
Core Material	316L as standard. Other materials on request
Layer Material	Graphite as standard. PTFE, PG-Therm, APX-2 and silver on request
Standards	ASME B16.20, ASME B16.47 Series A & B, EN1514-2, BS10, JIS

Flange Surface Finish

The recommended a flange surface finish of 3.2 to 6.4µm RA (125 to 200RMS)

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