

OmniSeal® Radial Seals

OmniSeal® radial seals are used in rod and piston sealing applications, typically designed for uni-directional pressure sealing. Radial seals are commonly used for static service, reciprocating and rotary motions. OmniSeal® radial seals are designed to fit in all standard hardware glands such as MIL-G-5514, AS 4716, Industrial, Metric, JIS and custom gland sizes.

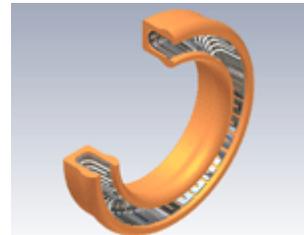
OmniSeal® 400A Series

OmniSeal® 400A utilizes a cantilevered finger spring design which provides more dynamic runout and wider gland tolerances. Seal friction is reduced substantially, yet remains consistent with positive sealing in both low and high pressures. Larger cross sections up to 3/4" are also available.



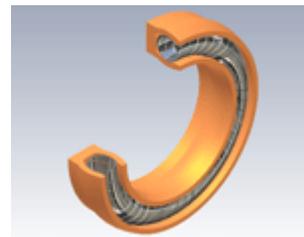
OmniSeal® Spring Ring II Series

OmniSeal® Spring Ring II is also a cantilever design, a special version of the OmniSeal 400A. It is available in smaller sizes limited to less than 1" diameter, and for gland cross sections 1/16", 3/32" and 1/8". OmniSeal Spring Ring II is intended for high-volume, low-cost production.



OmniSeal® 103A Series

OmniSeal® 103A is a refinement of the original spring energized seal design. The helical coil wound flat spring offers a moderate to high spring load for static and slow to moderate speed dynamic sealing. It has higher friction than the 400A Series, but better sealing of light liquids and gases.



OmniSeal® APS Series

OmniSeal® APS (Advanced Pitch Spring) utilizes a slant coiled wire spring design that has a light load and characteristics of a wide range of deflection while producing an almost constant spring load. This feature permits a large wear allowance in the seal jacket while maintaining an effective sealing load. Also, the spring can be wound in extremely small coil diameters, which makes this type of seal ideal for small cross section and small diameter seal applications. The low stressed spring makes it possible to deform the seal, allowing for assembly of rod seals into most closed glands without damaging the spring.



OmniSeal® RP II Series

OmniSeal® RP II utilizes a wrapped and formed ribbon spring. The design offers the utmost in spring deflection for otherwise difficult sealing applications and may be used for static sealing, as well as slow dynamic reciprocating and slow rotary motion. The OmniSeal RP II seal is one of the most rugged of all Saint-Gobain Performance Plastics seals and will often work under the most severe mechanical conditions when other designs fail. Also available in larger cross sections.

