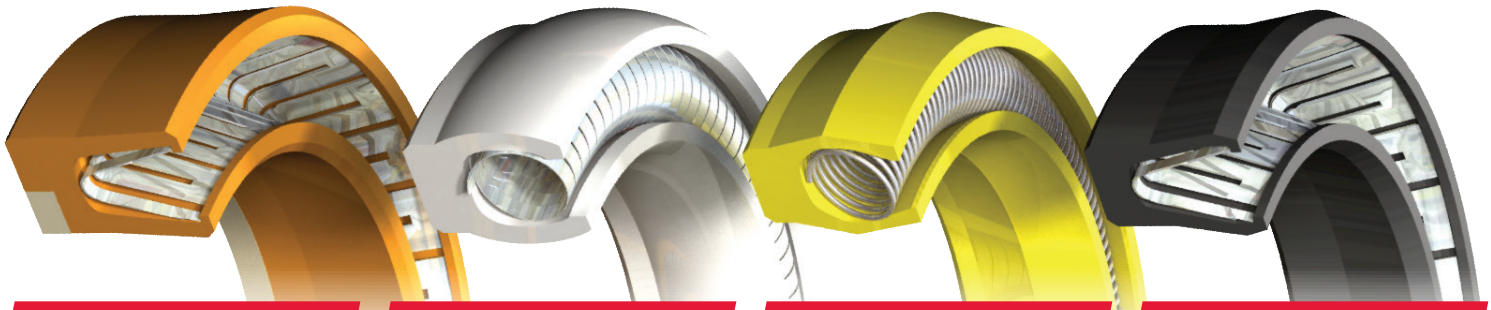
XS SEAL®



Custom Design | **Helical Spring** | **Slanted Coil** | **V-Spring**

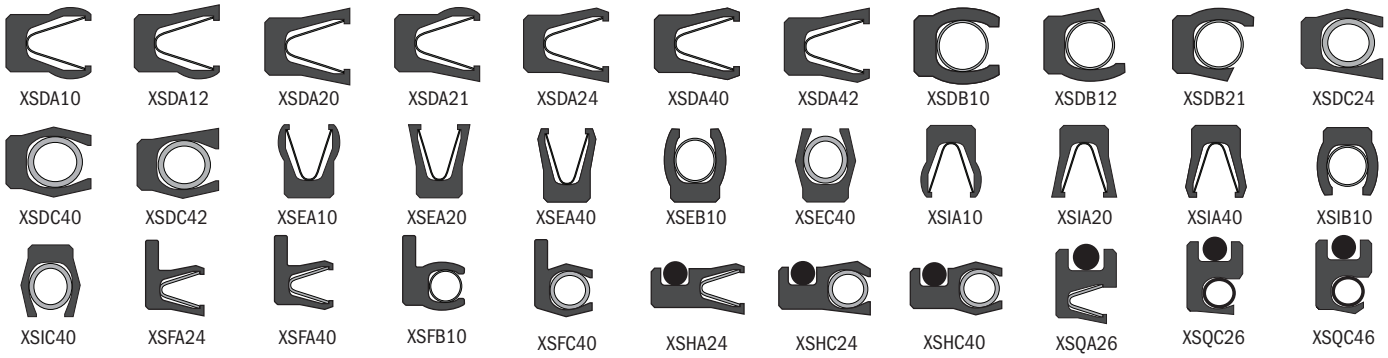
MFP Seals produces a full range of Spring Energized Seals for applications that present challenges to conventional seal designs, no matter what media will be encountered. Common uses for our XS Seal® line, range from Explosive Decompression Resistant applications or AED seals, to Extreme Temperatures, High Surface Speeds, Non-Lubricated Systems, Extreme Pressures, Vacuum, and so much more!

MADE IN USA

With 33 standard profiles, plus the ability to create custom designs, MFP Seals has an XS Seal® that is designed to fit your application. Our engineers will match the various spring types such as Helical, Slanted Coil, and V, to your intended use, made from a material that is perfect for the job. Our Spring Energizers are available in Stainless Steel, Hastelloy, Elgiloy, and other Alloys. Contact your MFP Seals sales representative to get your Spring Energized Seal design started today.

MFP XS SEAL® SPRING ENERGIZED SEAL PROFILES

ID



Custom Designs and Materials are available. Please contact your MFP Seals sales representative for more details.

HELICAL SPRING ENERGIZED SEALS

MFP Seals Helical Spring Loaded Seals are made from a flat ribbon and wound into a round cross section helix geometry. The Helical Spring is designed for use in U-Cup style seals, as well as other configurations, for radial or axial compression energized seals and produces a very high unit load over a small deflection range. The Helical Spring Loaded Seal is usually used in static or slow dynamic applications and often for extremely low temperatures.

V SPRING ENERGIZED SEALS

MFP Seals V-Spring Loaded Seals are a cantilever beam design that is applied as a radial or axial compression energizer for a U-Cup style seal. The V-Spring provides a moderate load over a wide deflection range and is used in dynamic and static seal applications.

Your Cylinder, MFP Seals.

SLANTED COIL ENERGIZED SEALS

MFP Seals Slanted Coil Spring Loaded Seals produce a very flat load curve when compressed. The Slanted Coil Spring is designed for use in U-Cup seals, as well as other configurations, when a constant predictable load over a wide deflection range is desired. These Slanted Coil Spring Seals are available in light, medium and heavy load designs as well as being offered with gold, silver and nickel plating for use in Electronic and Semiconductor applications.

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Sealing In Success™

The X-PAC® Name and MFP Seals Logo is a registered trademark of Martin Fluid Power Co. - Seal performance will vary based on compound.