

CHEMFLEX SE

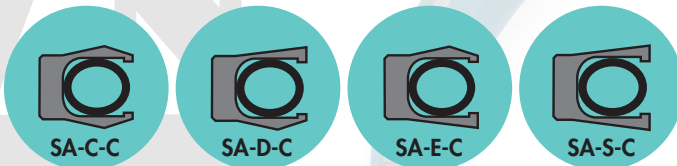


SPRING ENERGIZED SEALS

V-SPRING



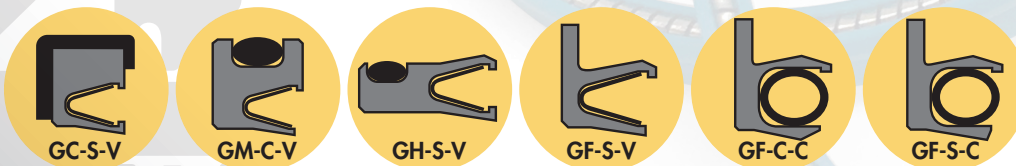
CANTED COIL



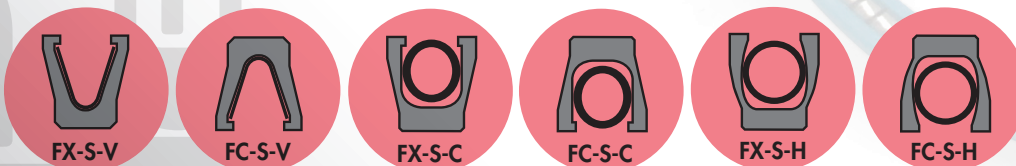
HELICAL



ROTARY



FACE



Product Performance. Affordability. Availability.



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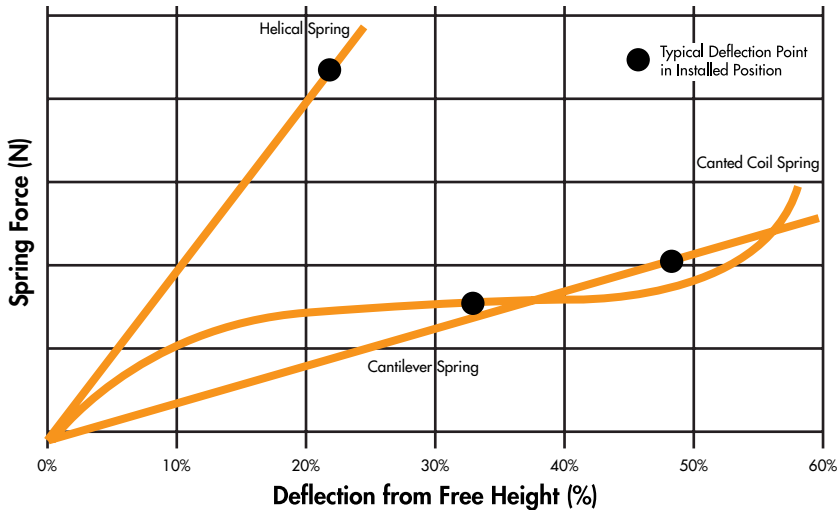


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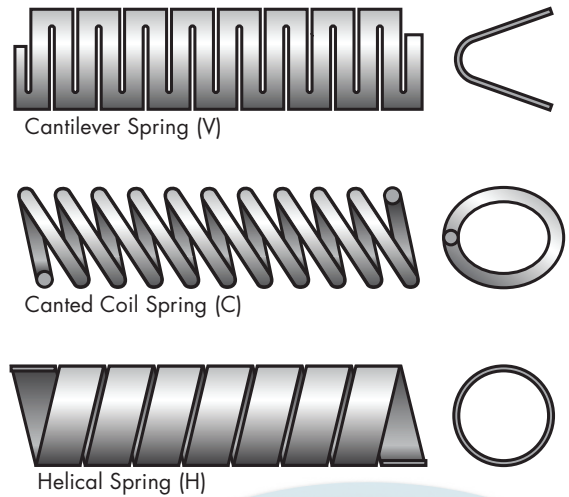
SPRING ENERGIZED SEALS

Chemflex SE Seals are single-acting, spring energized seals used in high-performance, demanding dynamic and static applications. Three styles of springs are offered to energize **Chemflex SE Seals**, including **Canted Coil**, **Cantilever**, and **Helical Springs**. The **Chemflex SE Seal** is designed and precision machined from engineered materials, using our premium Tylon PTFE family of materials. Tylon materials blends are optimized to perform in a wide range of applications, including extreme conditions such as pressure, temperature, speed, media, surface finish and materials.

Load vs. Deflection Chart



Spring Options



STANDARD MATERIALS

Tylon*	Compound/Advantage	Color
T01	Virgin PTFE, FDA Compliant	White
T05	Enhanced PTFE, Low Friction	Turquoise
T07	Proprietary Blend, Long Wear Life	Black
T10	Carbon Fiber, Excellent Wear & Extrusion resistance	Black
T20	Glass/MoS2, High wear resistance	Black
T35	Polyimide, FDA Compliant, Great on Soft Mating Surfaces	Tan
A80	UHMW-PE, Great in Water Based Media	White

Spring Type*	Material	Load
Cantilever Spring (V)	301/316 Stainless Steel	M
	Elgiloy (NACE Compliant)	
Canted Coil Spring (C)	302 Stainless Steel	L
	Hastelloy	M
		H
Helical Spring (H)	17-7 ph Stainless Steel Elgiloy	H

*Additional PTFE Compounds, Thermoplastic Elastomers and Engineered Composites are available

*Additional spring loads and material options available

FEATURES

- Excellent leakage control
- Excellent wear resistance
- Demanding duty cycles
- Excellent resistance to extrusion in high pressure applications
- Aggressive and abrasive media
- Extreme temperature capabilities -420°F to 550°F
- Low friction
- Very low breakaway friction
- High speed capabilities

- Short stroke - high frequency
- Silicone filled spring cavity (option)
- Low compression set
- Dry running
- Infinite shelf life
- Custom sizes
- No tooling
- Large diameters
- Back-up ring (option)

