

Hydro Technology Systems

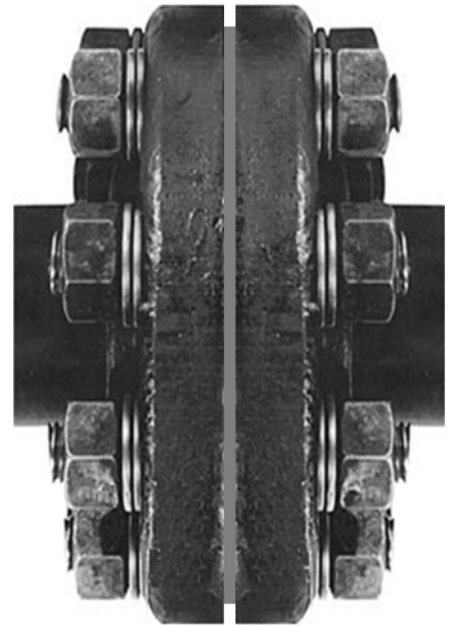
ADVANCED TECHNOLOGY MAINTENANCE SOLUTIONS

Get the Ultimate Flange Sealing Solution for your Critical and Problematic Applications

Flange leakage costs North American industry billions of dollars annually. Flanges in systems subjected to Thermal Cycling and/or Vibration are much more prone to experiencing leakage issues.

Thermal Cycling causes loss of Gasket Seating Stress (Load) and Vibration causes permanent deformation of gaskets.

By the application of Flange Live Loading on newer technology gasket designs, minimum required Gasket Seating Stresses (Loads) are maintained and the negative effects of vibration are successfully nullified.



HTS offers complete Flange Live Loaded sealing kits for all standard ANSI flanges. These pre-packaged kits contain all of the required components, including new B-7 studs, 2H nuts, Flange Live Loading Disks and one of the most high performance gaskets available in the market place today.

The kits are pre-packaged by ANSI Pipe Diameter and Pressure Class, this makes them easy to use, and convenient to inventory.

These solution focused flange sealing kits have a long proven history of eliminating chronic and problematic flange sealing issues in all types of industries including Power Generation, HPI, CPI, Pulp Paper & General Industry.

90% of currently utilized gasket designs and technologies are easily between 50 and 100+ years old! Ex: Spiral Wound Gaskets 1912

Today two advanced gasket technologies have consistently proven their superior problem solving capabilities, over the older dated technologies.

Both Gasket designs had passed all the stringent test parameters of the MPA (TA Luft) tests, Chevron Fugitive Emission Test (CFET) and the API Fire test 6FB.

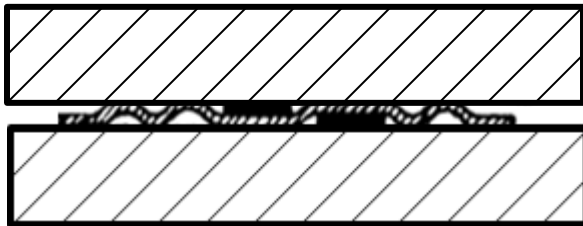
HTS offers their Flange Live Load Kits with a choice of these two proven gasket technologies.

The Selco Seal

Proven Performance & Reliability



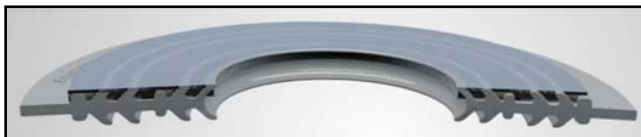
**Extreme High Performance
Graphite & Stainless Selco Gasket**



Selco Seal gaskets are high performance gaskets suitable for high temperature and high pressure applications.

1. They surround the sealing medium with metal, effectively isolating it from the medium being sealed.
2. They locate accurately on the flange bolts.
3. By design, the sealing medium has a high gasket seating stress (Load) which contributes significantly to its high pressure sealing capabilities.
4. The high purity Graphite sealing material has high compressibility which allows excellent sealability on rough, scratched or damaged sealing surfaces.

CNC Machined Fishbone™ Gasket Ultimate New Gasket Technology



**Graphite & Stainless Fishbone Gasket
Direct Replacement for Old Technology
Spiral Metallic Gaskets**

Fishbone™ is a gasket design which can only be described as the “Ultimate Gasket Technology” for the 21st Century.

- Structurally very strong; all CNC machined.
- The Fishbones™ are self energized by pressure.
- The angled Fishbones™ with rounded tips cause no flange face damage & reinforce the sealing material.
- Highly resistant to pressure fluctuations and vibration.



Hydro Technology Systems

Flange Live Load kits with **Selco Seal** gasket

Flange Live Load kits with **Fishbone™** gasket

Kit Numbers	Kit Numbers
HTS-3"-150# ANSI-S	HTS-3"-900# ANSI-S
HTS-4"-150# ANSI-S	HTS-4"-900# ANSI-S
HTS-6"-150# ANSI-S	HTS-6"-900# ANSI-S
HTS-8"-150# ANSI-S	HTS-8"-900# ANSI-S
HTS-10"-150# ANSI-S	HTS-10"-900# ANSI-S
HTS-12"-150# ANSI-S	HTS-12"-900# ANSI-S
HTS-3"-300# ANSI-S	HTS-3"-1500# ANSI-S
HTS-4"-300# ANSI-S	HTS-4"-1500# ANSI-S
HTS-6"-300# ANSI-S	HTS-6"-1500# ANSI-S
HTS-8"-300# ANSI-S	HTS-8"-1500# ANSI-S
HTS-10"-300# ANSI-S	HTS-10"-1500# ANSI-S
HTS-12"-300# ANSI-S	HTS-12"-1500# ANSI-S
HTS-3"400# ANSI-S	HTS-3"-2500# ANSI-S
HTS-4"400# ANSI-S	HTS-4"-2500# ANSI-S
HTS-6"400# ANSI-S	HTS-6"-2500# ANSI-S
HTS-8"400# ANSI-S	HTS-8"-2500# ANSI-S
HTS-10"400# ANSI-S	HTS-10"-2500# ANSI-S
HTS-12"400# ANSI-S	HTS-12"-2500# ANSI-S
HTS-3"-600# ANSI-S	
HTS-4"-600# ANSI-S	
HTS-6"-600# ANSI-S	
HTS-8"-600# ANSI-S	
HTS-10"-600# ANSI-S	
HTS-12"-600# ANSI-S	

Kit Numbers	Kit Numbers
HTS-3"-150# ANSI-FB	HTS-3"-900# ANSI-FB
HTS-4"-150# ANSI-FB	HTS-4"-900# ANSI-FB
HTS-6"-150# ANSI-FB	HTS-6"-900# ANSI-FB
HTS-8"-150# ANSI-FB	HTS-8"-900# ANSI-FB
HTS-10"-150# ANSI-FB	HTS-10"-900# ANSI-FB
HTS-12"-150# ANSI-SFB	HTS-12"-900# ANSI-FB
HTS-3"-300# ANSI-FB	HTS-3"-1500# ANSI-FB
HTS-4"-300# ANSI-FB	HTS-4"-1500# ANSI-FB
HTS-6"-300# ANSI-FB	HTS-6"-1500# ANSI-FB
HTS-8"-300# ANSI-FB	HTS-8"-1500# ANSI-FB
HTS-10"-300# ANSI-FB	HTS-10"-1500# ANSI-FB
HTS-12"-300# ANSI-FB	HFBS-12"-1500# ANSI-FB
HTS-3"400# ANSI-FB	HTS-3"-2500# ANSI-FB
HTS-4"400# ANSI-FB	HTS-4"-2500# ANSI-FB
HTS-6"400# ANSI-FB	HTS-6"-2500# ANSI-FB
HTS-8"400# ANSI-FB	HTS-8"-2500# ANSI-FB
HTS-10"400# ANSI-FB	HTS-10"-2500# ANSI-FB
HTS-12"400# ANSI-FB	HTS-12"-2500# ANSI-FB
HTS-3"-600# ANSI-FB	
HTS-4"-600# ANSI-FB	
HTS-6"-600# ANSI-FB	
HTS-8"-600# ANSI-FB	
HTS-10"-600# ANSI-FB	
HTS-12"-600# ANSI-FB	

**The Engineering team at HTS has the experience
to assist you with all your flange sealing issues.**

For Technical Questions and Pricing Call 1-978-289-8707