



Sealing for a safer and greener tomorrow

TEADIT® 907 HRG™



www.teadit.com

Next-Generation Sealing Technology

TEADIT® 907 HRG™

A Better Design.

A Better Seal.

Higher Recovery.

TEADIT® 907 HRG™ was developed to maintain sealing stability under thermal cycling, operational load variations and demanding industrial conditions.

Why Most Gaskets Lose Performance Over Time

In demanding industrial environments, sealing systems can be exposed to temperature fluctuations, pressure changes and operational cycling.

Over time, many flange assemblies with conventional gaskets lose bolt load causing sealing instability, increasing the risk of leakage, maintenance downtime and operational inefficiency.

This phenomenon of losing gasket stress is commonly known as relaxation.



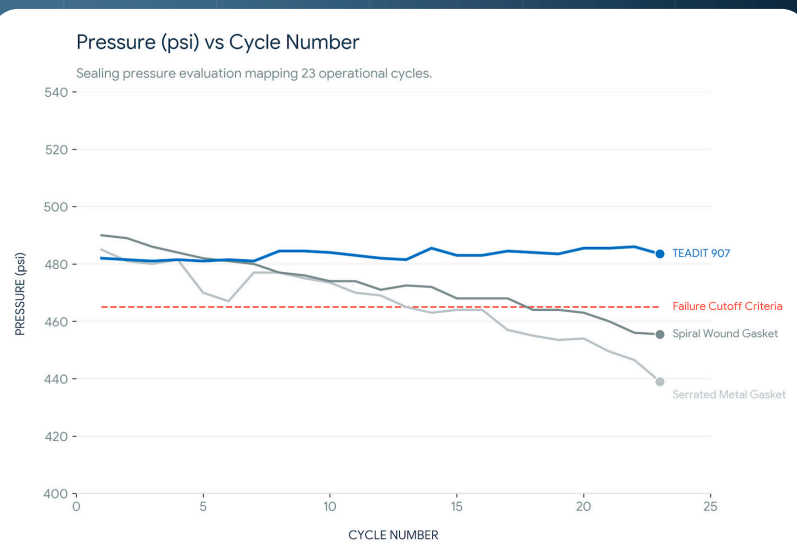
Spiral wound gasket
18 cycles



Kammprofile gasket
14 cycles



907 HRG
24+ cycles



Thermocycle Test Parameters: 5,000 psi initial gasket stress, cycling between ambient and 320°C (608°F), initial pressure of 33 bar (479 psi) in the closed system, failure occurs if internal pressure drops below 32 bar (464 psi).

Built for Thermal Cycling Conditions

Extreme temperature variation creates continuous differential thermal expansion and contraction within sealing systems, especially in shell and tube heat exchanger applications. **TEADIT® 907 HRG™** was engineered to maintain sealing stability during these operational conditions.



Extreme Thermal Cycling
Designed for Severe Operating Conditions



Thermal Cycling Resistance
Engineered for Dynamic Temperature Variations



High Recovery & Stability
Retains sealability when conventional gaskets do not.

COMPETITOR FEATURE COMPARASION		
Feature	Traditional Gasket	TEADIT® 907 HRG™
High-Recovery Capability	●	●
Thermal Cycling Stability	●	●
Load Retention	●	●
Long-Term Sealing Stability	●	●
Resistance to Load Loss	●	●
Recovery Under Operational Variation	●	●
Extreme Operating Conditions	●	●



Built for Critical Industrial Environments

- Oil and Gas
- Chemical
- Pulp and Paper
- Power Generation
- Mining

Designed to Recover Better. Engineered to Seal Longer.

TEADIT® 907 HRG™ combines specialized engineering and next-generation gasket design to deliver superior sealing recovery under demanding operating conditions. The result is a gasket developed to maintain performance stability even during thermal cycling and load variation.



High Recovery Capability

Designed to maintain sealing stability even after operational cycling and pressure variation.



Improved Load Retention

Helps reduce sealing degradation caused by thermal expansion, contraction and pressure fluctuations.



Advanced Material Technology

Manufactured using high-performance materials selected for demanding industrial applications.



Engineered for Extreme Conditions

Suitable for applications exposed to aggressive cycling, temperature variation and critical sealing environments.



Sealing for a safer and greener tomorrow



As a global leader in industrial sealing and expansion joint solutions, Teadit® is committed to helping industries reduce leaks and minimize emissions. Our mission is to support both industrial goals and environmental responsibility, contributing to a safer, greener tomorrow.

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Since all properties, specifications and application parameters shown throughout this catalogue are approximate and may be mutually influenced, your specific application should not be undertaken without independent study and evaluation for suitability. All technical data and advice given is based on experiences TEADIT® has made so far. Failure to select proper sealing products can result in damage and/or personal injury. Properties, specifications and application parameters are subject to change without notice. TEADIT® does not undertake any liability of any kind whatsoever.

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