

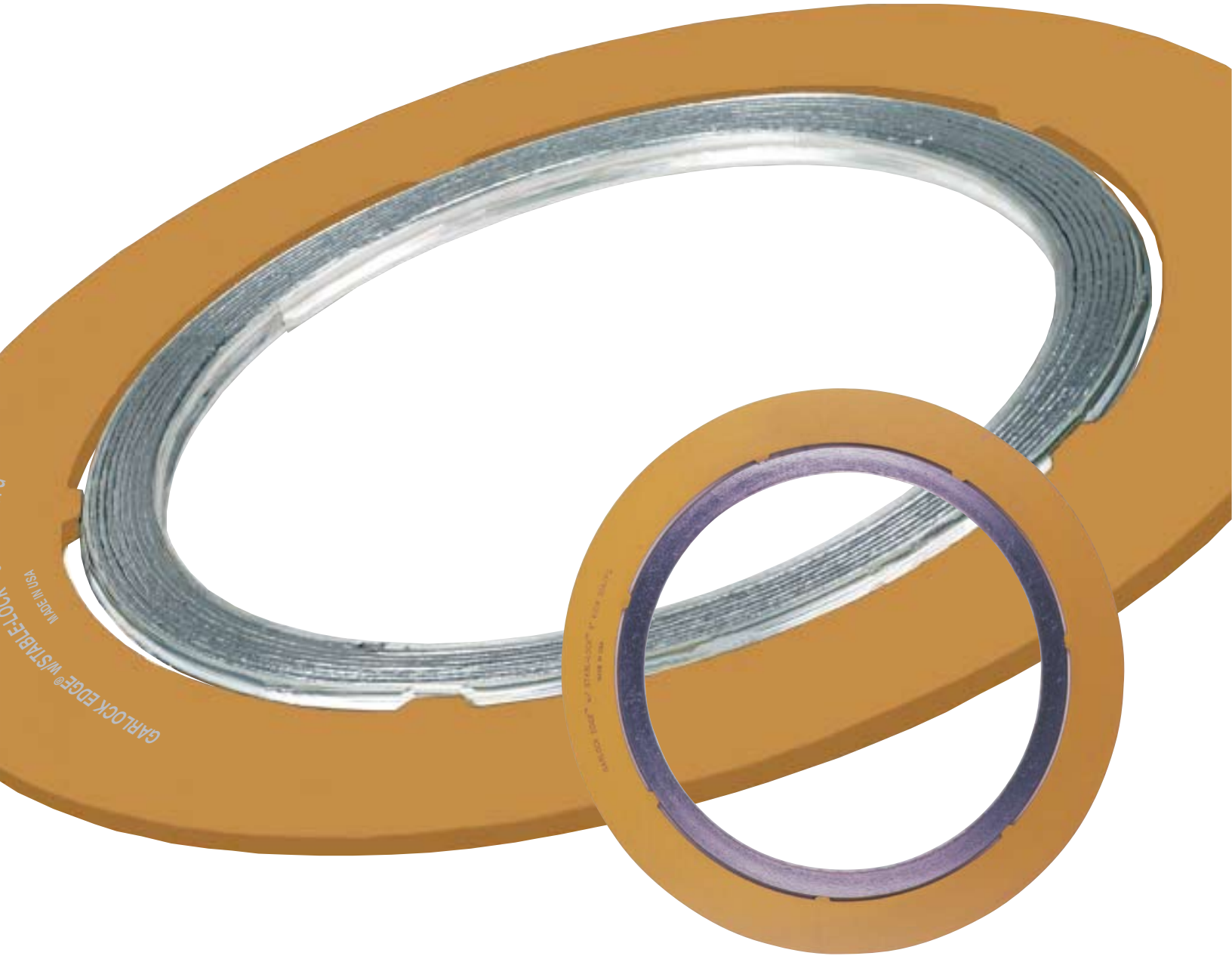
*Advancing the Science of Sealing™*

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**THE EDGE® METALLIC GASKET**

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Anti-Buckling Spiral Wound Technology



**Garlock**  
SEALING TECHNOLOGIES®

an EnPro Industries company

# The EDGE®\* eliminates Radial Buckling

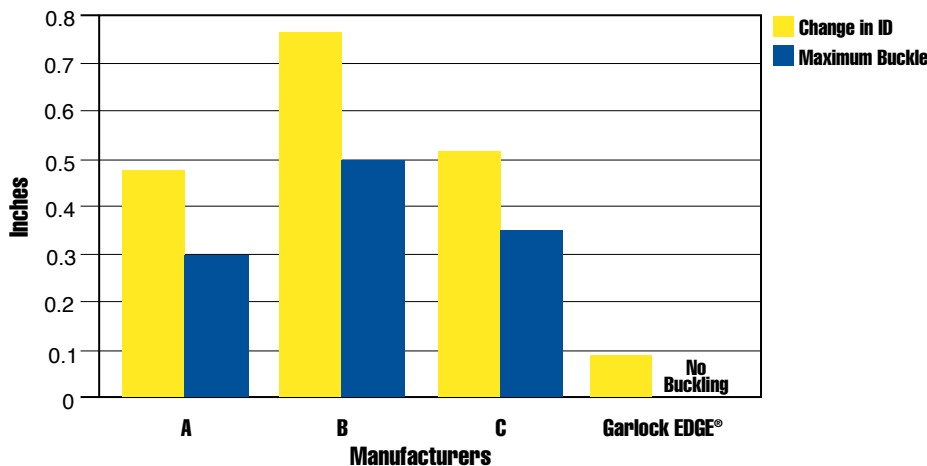
Radial buckling occurs when the ID of a spiral wound gasket protrudes into the process stream. The winding material can be carried downstream clogging pumps, valves, and other equipment. This can also create a loss of torque on a bolted flange assembly, causing leakage or unscheduled maintenance.

Radial buckling is a result of many variables, such as compressive stress, flange seating surface, and gasket construction. It has been known to occur with both flexible graphite and PTFE fillers for almost all pressure class gaskets.

Despite industry research, only minimal improvements have been accomplished. The ASME recently mandated the use of expensive inner rings to prevent radial buckling. This has been your only option...until the Garlock EDGE®.



## Zero Buckling



All gaskets were 8" NPS, 600 pound 304/FG windings with outer rings. The gaskets were subjected to 26,286 psi gasket stress.

Conditions shown throughout this brochure for specific application should not be undertaken without study and evaluation for suitability. For all recommendations consult Garlock. Failure to use Garlock sealing products could result in property damage and personal injury. Performance data published in this brochure is developed from field testing, customer field testing and in-house testing. While the utmost care has been used in the development of this brochure, we assume no responsibility for errors. This brochure is subject to change without notice. This edition cancels all previous editions. Subject to change without notice.



## Garlock Controlled Density™ winding

- Lower compressive force required to obtain a seal when compared to standard spiral wound gaskets

## STABL-LOCK™ inner wrap construction

- Prevents sealing element from flowing towards the process stream

## Modified guide ring

- Insures guide ring contact with all raised face seating surfaces

## Relief ports in the outer guide ring

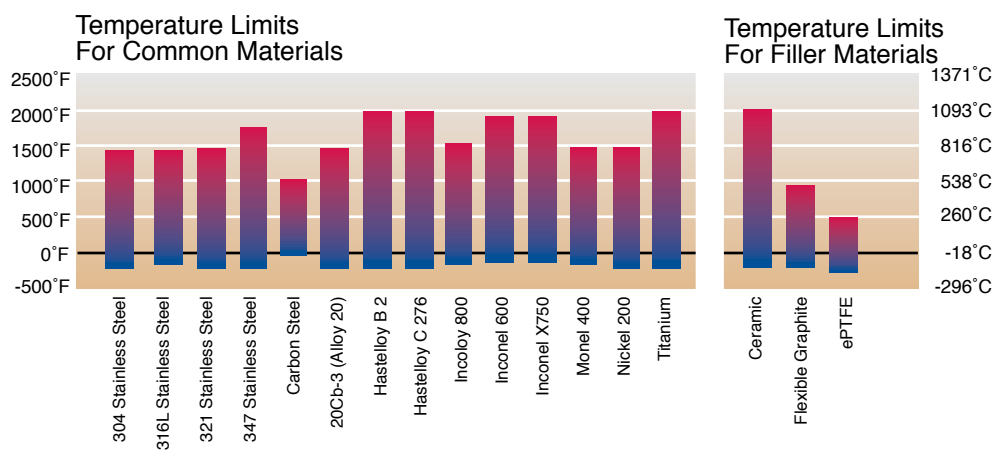
- Controls sealing element flow

## Available in Dual Flange design

- Reduces inventory

## Full Range of Materials

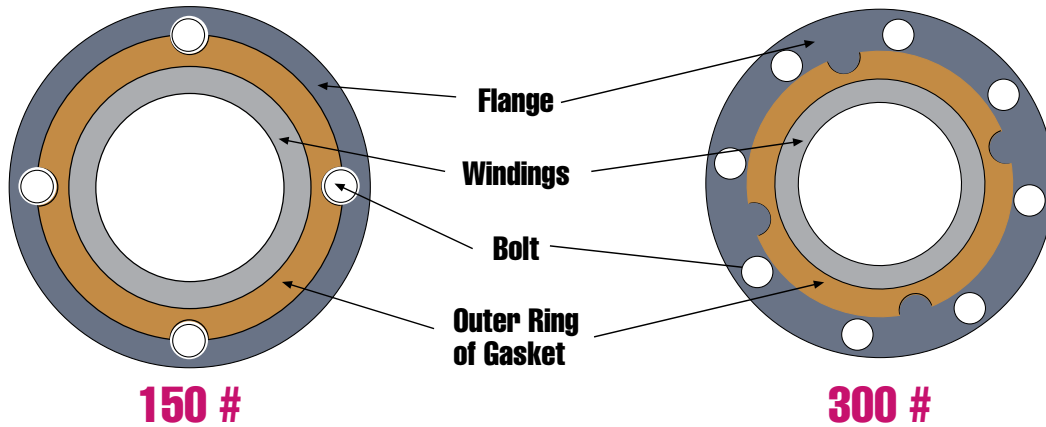
\*Patent No. 5964468



# Garlock EDGE®

## Dual Flange Design

- The dual flange option is designed to accommodate both 150 and 300 lb. pressure class flanges.
- Reduce your spiral wound gasket inventory!
- Specify the Garlock EDGE® DF on your next order.



### AUTHORIZED REPRESENTATIVE

#### **WARNING:**

Properties/applications shown throughout this brochure are typical. Your specific application should not be undertaken without independent study and evaluation for suitability. For specific application recommendations consult Garlock. Failure to select the proper sealing products could result in property damage and/or serious personal injury.

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