Garlock

EDGE®

Garlock Metallic Gaskets
Anti-Buckling Spiral Wound Technology

Leaders in Sealing Integrity

EDGE® Metallic Gasket

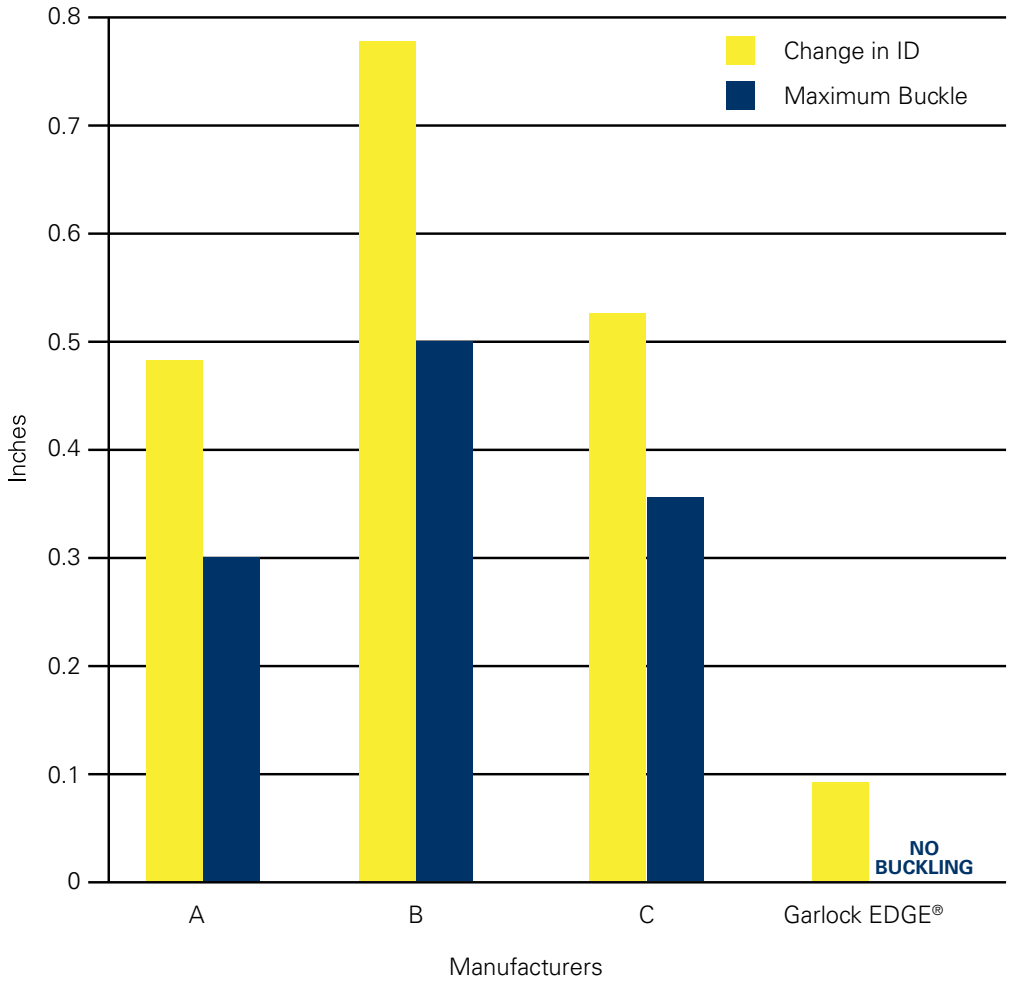
Eliminates Radial Buckling

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.

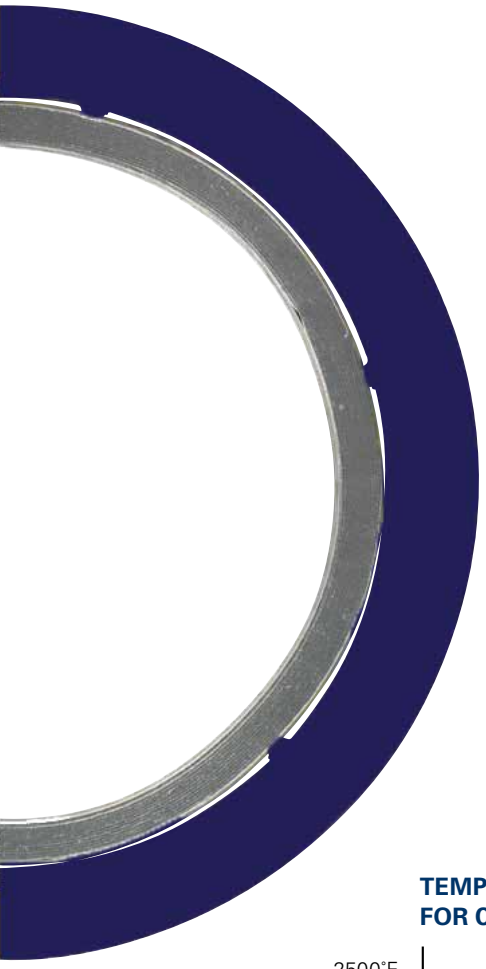
Despite industry research, only minimal improvements have been accomplished. The ASME recently mandated the use of expensive inner rings to prevent radial buckling. This has been your only option until the Garlock EDGE®.

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.

EDGE® Metallic Gasket



GARLOCK CONTROLLED DENSITY™ WINDING
» Lower compressive force required to obtain a seal when compared to standard spiral wound gaskets

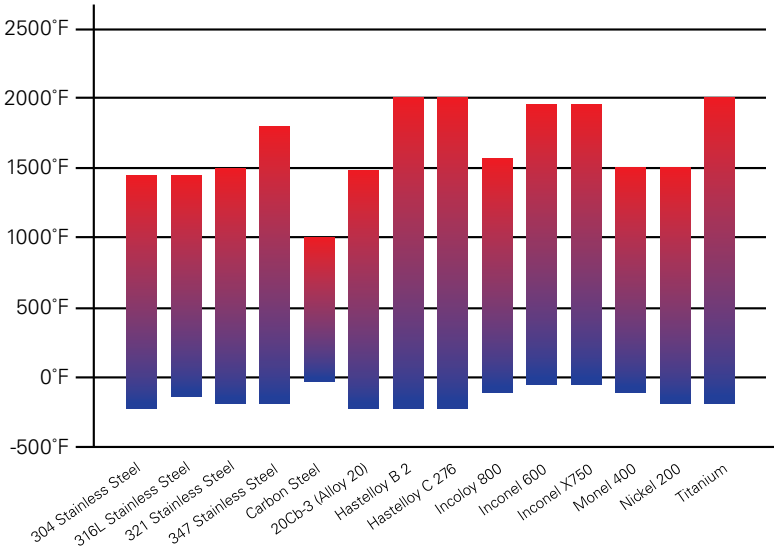
STABL-LOCK™ INNER WRAP CONSTRUCTION
» Prevents sealing element from flowing towards the process stream

MODIFIED GUIDE RING
» Insures guide ring contact with all raised face seating surfaces

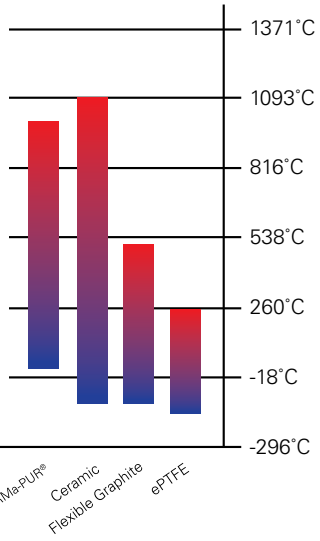
RELIEF PORTS IN THE OUTER GUIDE RING
» Controls sealing element flow

AVAILABLE IN DUAL FLANGE DESIGN
» See page 4 for Dual Flange design info

TEMPERATURE LIMITS FOR COMMON MATERIALS

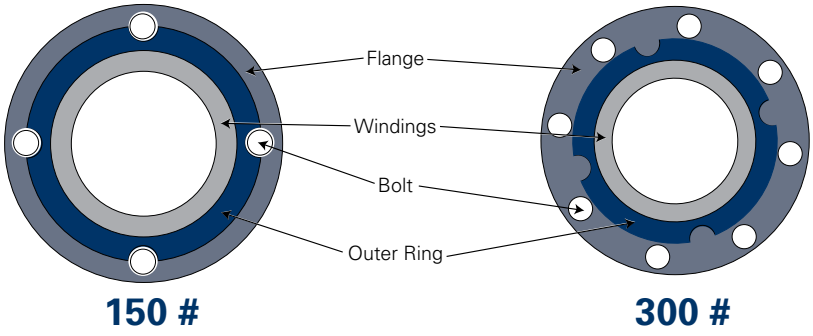


TEMPERATURE LIMITS FOR FILLER MATERIALS



GARLOCK EDGE® DUAL FLANGE DESIGN

» The dual flange option is designed to accommodate both 150# and 300# pressure class flanges
» Reduces your spiral wound gasket inventory
» Specify the Garlock EDGE® DF on your next order



150 # **300 #**

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