

LoadLock™ Improved, Engineered Cam Profile Style Gaskets



VSP Technologies LoadLock™ gaskets engineered for the demanding rigors of today's industrial plants.

Applications

- Heat exchangers
- Vessels
- Mixers
- Diesel exhaust manifolds

Thermal stability, durable facings, unaffected by groove depth variability & low torque requirements

Metal Serrated Insert – Contains soft facing material, pressure resistance & mechanical integrity

Robust Metal Reinforced Design – Increased blowout resistance ideal for vessels & high pressure services

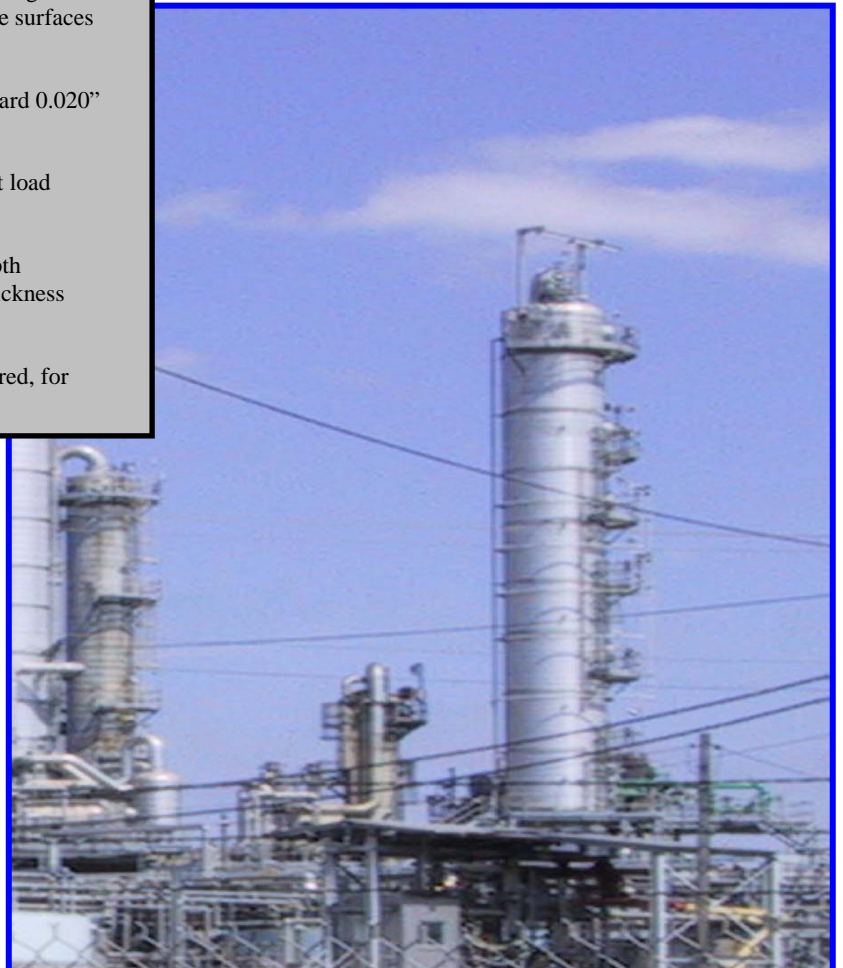
Compressible, Thermally Stable Facing Materials – Enhanced sealing against uneven flange surfaces

Standard 1/16" Thick Facings – Provides increased cut through resistance compared to industry standard 0.020" enhanced rough surface sealability

Lower Stress to Seal than Conventional Flat Gaskets – Lower bolt load

Engineered For the Application/Equipment - Insert dimensions
- Serration pitch, depth
- Facing material, thickness
- Assembly torque

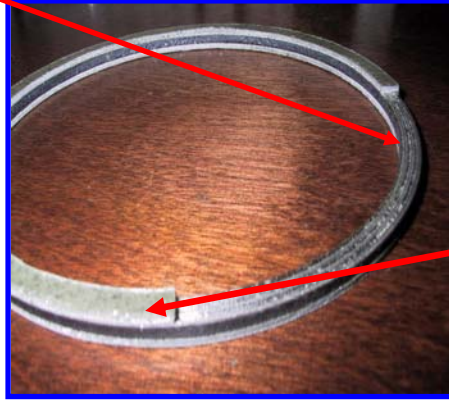
Proprietary Adhesive Systems & Insert Design – Gaskets engineered, for your application



TO ORDER: Specify metal carrier ID, OD, facing material or contact VSP engineering Department for design assistance

Serrated solid metal

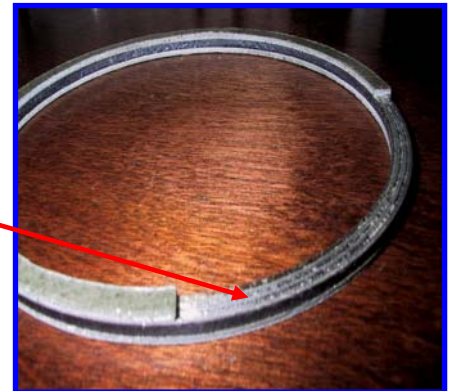
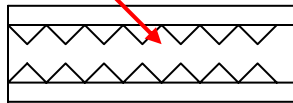
- **Serrations** concentrate bolt load on smaller area for tight seal at lower bolt loads
- **rigid** core provides exceptional stability, even in large sizes, and facilitates handling and installation
- **Solid** metal core resists cold flow, over-compression and blowout



Deformable soft sealing

- **Fills** sealing surface imperfections, under compression, to form a tight near metal to metal connection
- **Ideal** for weaker flanges-seals under low bolt load
- **Withstands** pressures and extreme fluctuations in temperatures

LoadLock™, the ID of the serrated metal insert is exposed to the process media. Metallurgy chosen must be compatible with process media.



All of VSP Technologies' **LoadLock™ Gasket** designs incorporate a specially designed serrated insert to provide a stable, rigid gasket to ensure a tight seal for your bolted connection

Highest quality engineered metal core gaskets

Facing Materials

- High Temperature-Mica (1400° F)
- Chemical Service- Expanded PTFE (500° F)
- General Service-Flexible Graphite (600° F)