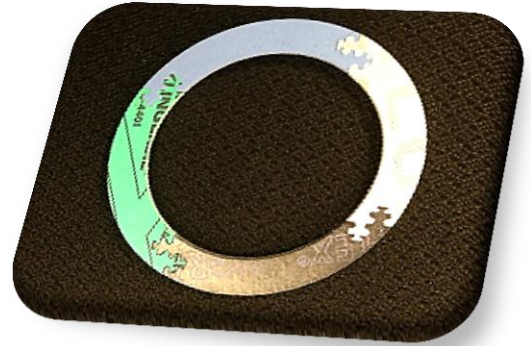
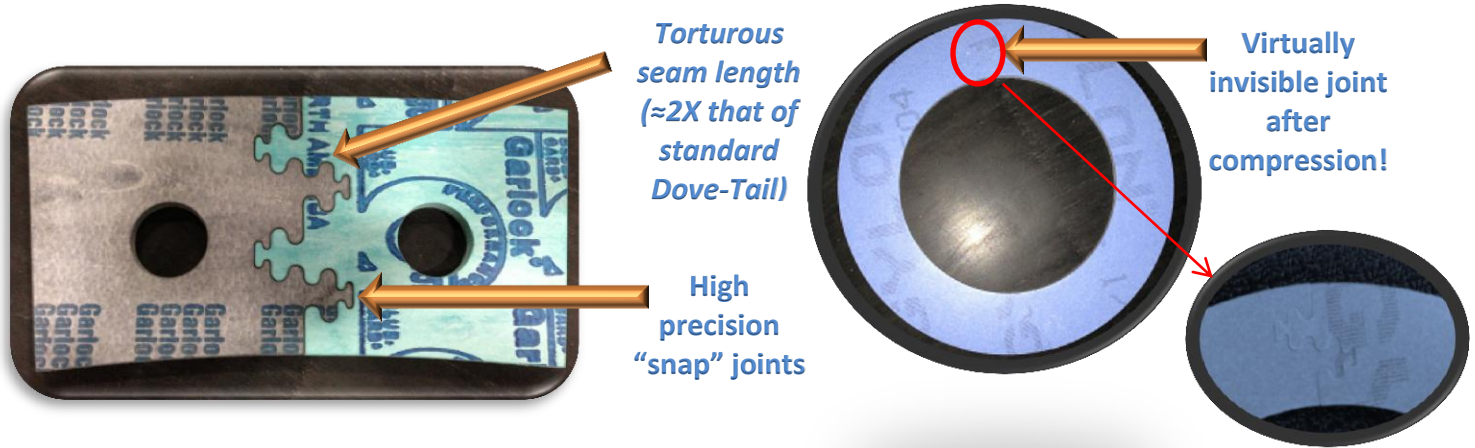


NEW VSP CHECKMATE™ JOINTING TECHNOLOGY

- Superior VSP jointing technology replaces antiquated “Dove-Tail” designs for sectioned gaskets
- Engineered interference fit produces a tight torturous leakpath for all media
- Enhanced sealability and reliability
- CAD designed and fabricated
- Tightest sealing sectioned gasket with mechanically rigid joints



Checkmate™ jointed technology utilizes close tolerance, CAD operated Flow Jet Mach 2 fabrication equipment. VSP Technologies researches and analyzes compression and flow characteristics of all standard gasket materials and can optimize each gasket design based upon cross section, thickness, and geometry for all materials.



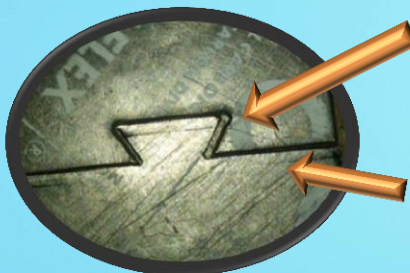
Specify VSP Checkmate™ jointed

technology for all of your large diameter gaskets!

AS COMPARED TO...

COMMON INDUSTRY STANDARD TECHNOLOGY

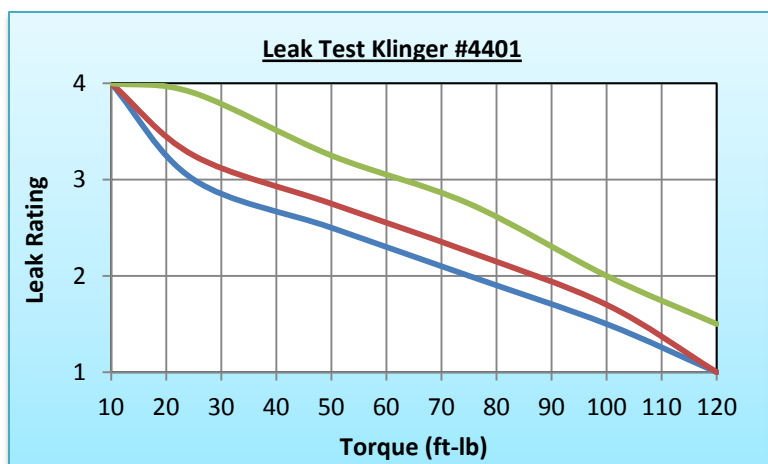
Actual OEM Dove-Tailed Gasket



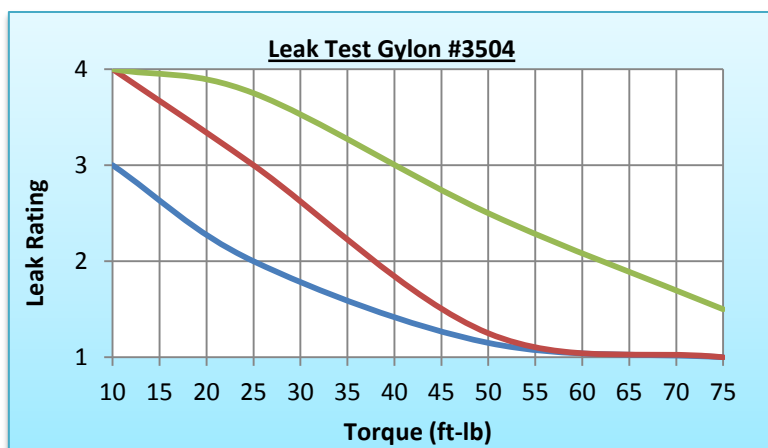
Larger gaps

Shorter leakpaths

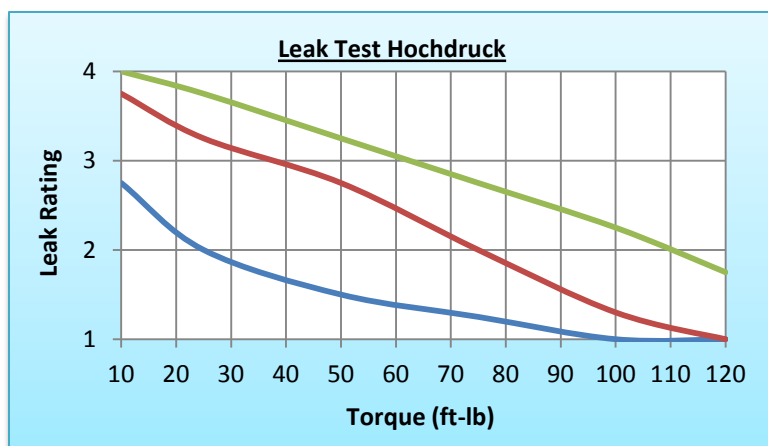
- Conventional industry standard Dove-Tail Joint
 - Substantially shorter and easier leakpaths
 - Low quality precision producing unwanted gaps in the joint as well as low rigidity
 - Overall inefficient sealing technology



100 PSIG AIR TEST FIXTURE W/ #4 "GROSS LEAK"



- Ring NPS 3X150, 1/8"
- CheckMate™ NPS 3X150, 1/8"
(2) Joints
- Dove-Tail NPS 3X150, 1/8"
(2) Joints



Leak Scale:

4= Gross Leak

3= Steady Leak

2= Periodic Bubbles

1= NO LEAK

Conclusion

- Sealing curve for Checkmate™ jointed technology follows standard one-piece ring curve for all materials tested
- Checkmate™ jointed technology achieved zero leakage at recommended torques
- Flange placement assembly is less problematic using the Checkmate™ design

February 12th, 2013

8140 Quality Drive
Prince George, VA

Phone: (804) 541-0812
Fax: (804) 452-1251

