



**ECHELON™**



**TEADIT®**

**ECHELON™ - HF  
GASKET**



# TEADIT'S ECHELON™ -HF GASKET

When looking to name our HF service gasket, we wanted to convey a sense of security and excellence to our customers. Looking at the definition of Echelon, specifically the military aspect, the formation provides multiple lines of defense, much like our Echelon™ -HF gasket.

## ECHELON

[ esh-uh-lon ]

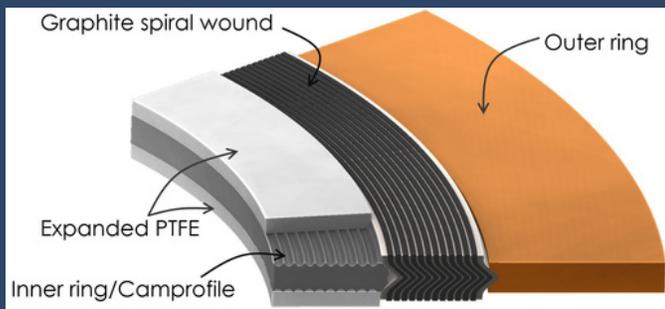
a step-like formation of troops, ships, aircraft, or vehicles in parallel rows with the end of each row projecting further than the one in front providing multiple lines of defense.

# "MULTIPLE LINES OF DEFENSE"





Specifically designed for Hydrofluoric Acid (HF), to safely seal an extremely dangerous chemical, as well as where crevice corrosion is a concern, Teadit®'s Echelon-HF™ Gasket is a superior choice. This design is based on an ASME B16.20 spiral wound (primary seal), but with a camprofiled Monel® inner ring, providing all the advantages of an inner ring and thick ePTFE facing materials with the added benefit of creating a secondary seal that extends further towards the bore of the pipe.



## FEATURES:

- ✓ Camprofiled Monel Inner Ring
- ✓ Compressible ePTFE Faced Inner Ring
- ✓ Low Stress Design Windings
- ✓ Graflex HT Flexible Graphite Filler
- ✓ Custom Dimensions Available
- ✓ Manufactured in Pasadena, TX

## APPLICATIONS:

Typical application for the Echelon-HF™ Gasket is for HF Alkylation service where carbon steel flanges can be subject to extreme crevice corrosion. Our standard and proven configuration for HF Alkylation service utilizes Flexible Graphite filler for the spiral wound portion and ePTFE facing, creating an overall Collar/Inner Ring providing enhanced crevice corrosion protection for an extremely dangerous chemical. Where this configuration is not acceptable, other filler/facing combinations can be utilized.

### MATERIAL PROPERTIES

Filler Material	PTFE
Max Temperature	500°F (260°C)



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