an EnPro Industries company

Evolution™ Specification:

Gasket - One isolating and sealing gasket, type “F”, .125” nominal thickness. A 316L stainless steel core fully encapsulated with a proprietary, abrasion resistant isolating coating not to exceed .012” in DFT (dry film thickness). The gasket shall include a PTFE ID seal that is designed to meet the bore I.D. after compression and be positively attached to the retainer. The gasket will also include a coated, pressure energized metallic “C” ring constructed of Inconel 718. The C ring will be coated with the same material and thickness as the retainer. The gasket will be tested to, and have passed, API 6FB fire testing in multiple sizes and classes. The gasket shall be tested to and have passed the Chevron FET test and must hold a class A rating from Shell TAT sealability testing. The isolating coating shall have a dielectric strength of at least 1,300 volts per mil.

Washers – Four isolating washers per bolt or stud assembly. A dark brown, electrically isolated washer with 1050 carbon steel core. The product will be rated to at least +425F and -50F as a minimum temperature. The dielectric value (ASTM D149) shall be at least 540VPM and water absorption will be between - (ASTM D570) - .01%-.02%. Abrasion resistance will be less than 30 wear index per ASTM D4060 Abrasion Testing. The product will also successfully have passed API 6FB fire testing and withstand a 2,000 hour salt spray test with <5% red rust. The washer ID will be of custom diameter to accommodate the sleeve wall thickness.

Sleeves – One G11 sleeve per bolt. The sleeve length shall be the combined thickness of the flange, plus raised face or RTJ height, plus gasket, plus three washers. The wall thickness shall be a nominal 1/32” thick.