



Fire Safe Isolation Kit

SEAL TIGHT. SEAL SAFE.



With more than 80 years' combined experience in isolation kits, our technical team is continually approached by oil and gas operators looking for high-performing, cost effective solutions, which demonstrate exceptional levels of mechanical integrity in high-pressure day-to-day operating conditions.

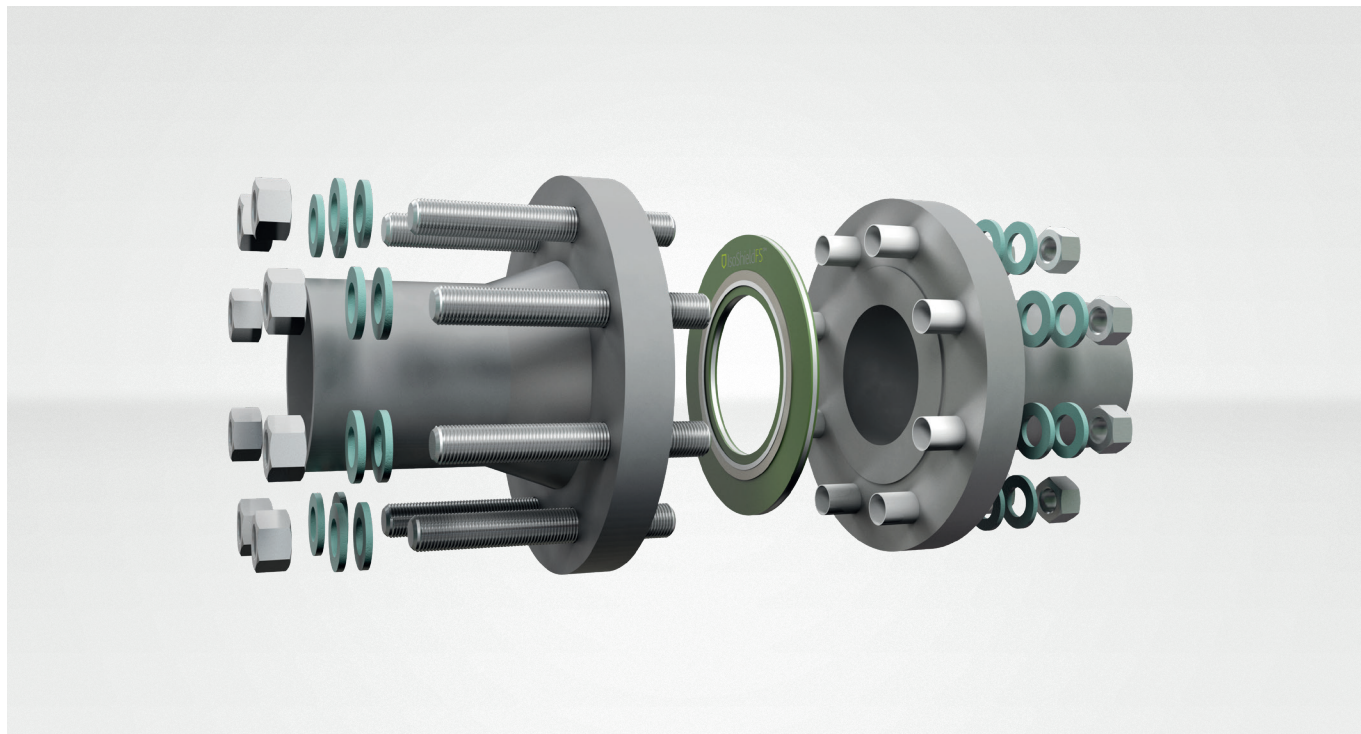
Our leak-free, tight-sealing corrosion control range not only provides robust and reliable isolation kits which mitigate against the costly effects of flange and pipeline corrosion, but also demonstrates **ZERO leakage** in industry fire tests, preventing further hydrocarbon releases and therefore the spread of fire.

In particular, our IsoShield FS™ uses a unique combination of pressure-activated spring-energised Teflon seals with a Kammpro Phyllosilicate fire-safe back-up seal, bringing

together the very best of industry design and manufacturing. This design also allows for a lower bolt load requirement than other Isolation kits, meaning less stress is required on the bolts to achieve a seal.

Moreover our IsoShield FS™ is made with combination of Glass Reinforced Epoxy (GRE) and steel core offering the strength and integrity of a metal gasket but which also maintains the Isolation characteristics of traditional GRE designs. This in turn ensures the highest levels of electrical isolation.

We can supply all size and pressure classes on both Raised face and RTJ flanges - ½" to 24", ASME B16.5 class 150-2500, API up to 10k pressure class, thereby offering the only fire-safe kit with spring-energised seals which caters for all sizes and pressure classes.





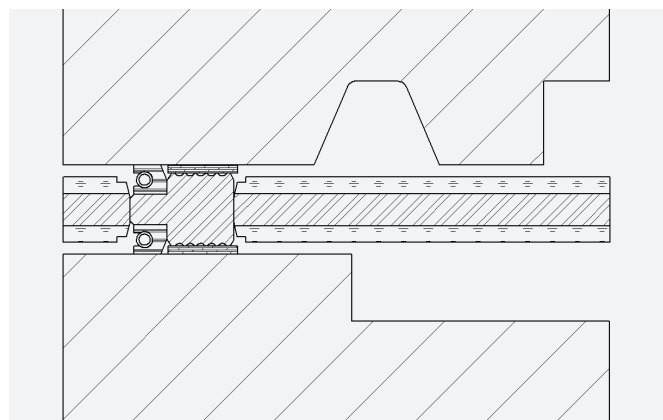
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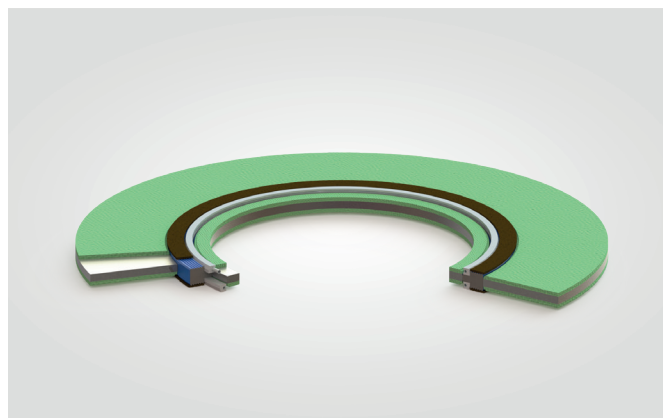
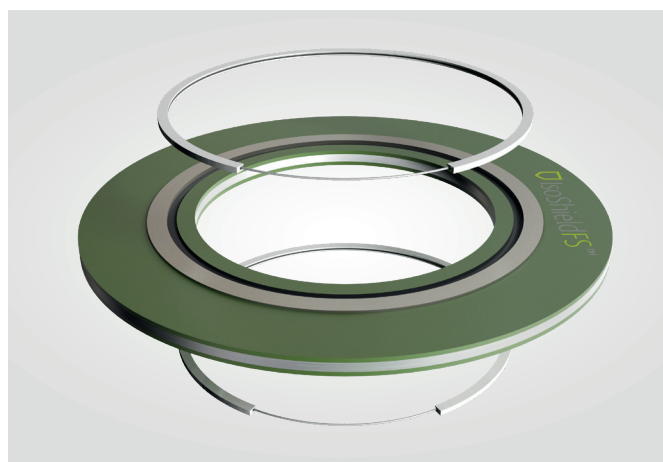
FEATURES OF THE ISOSHIELD FS

- Supplied in all size and pressure classes:
 - ½" to 24"
 - ASME B16.5 class 150-2500 – RF and RTJ flanges
 - API up to 10k pressure class
 - Suitable for mismatched RTJ to RF
 - Rated to 205°C operating temperature
- All applications including high pressures (up to 1000 bar) and medias (including H₂ and CO₂) ensures high level of Mechanical integrity
- **Zero leakage** in API 6FB fire tests
- Utilizes spring energized teflon seals ensuring optimum tightness levels at low bolt load
- High strength metal core gasket bonded with glass reinforced epoxy ensuring high levels of isolation



APPLICATIONS

- Dissimilar metal flange connections to mitigate galvanic corrosion
- High pressure flowlines/wellheads for isolation
- Flange isolation in conjunction with cathodic protection systems
- Mismatched flange assemblies – RF/RTJ
- Critical service, fire safe sealing requirements
- Flange protection against crevice corrosion



As the companies products are used in multiple applications and as the company has no control over the method of their use, the company excludes all conditions or warranties, expressed or implied by statute or otherwise. Any technical cooperation is given for customers assistance only and without liability on the part of the company.