KLINGER SHIELD INSULATION SETS



Insulation sets are used to limit corrosion in pipeline systems. Where dissimilar metals are present, the sets remove the possibility of the system acting as a galvanic cell and reduce the risk of galvanic corrosion of the pipework.

Insulation sets are also used to isolate cathodically protected piping systems where they prevent the flow of electro-static charge.

Each insulation set comes with a KLINGER Shield insulation gasket, insulating washer set, high temperature insulation sleeves.

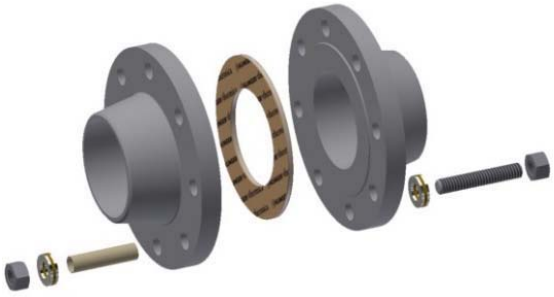


Figure 1 – Typical assembly with GW1 washers

Klinger Shield uses Thermica facing which is a CNAF fibre; using mica and NBR binder offers high flexibility, high temperature resistance and excellent compatibility across a broad range of chemicals.

COMPONENT	UNITS	KLINGER THERMICA	MICA SLEEVES
Compressibility	%	12	N/A
Recovery	%	<55	N/A
Stress Relaxation (DIN 52913, 50MPa, 16h, 300°C)	MPa	28	N/A
Density	g/cm^3	1.7	1.8
Dielectric Strength	kV/mm	15	22
Temperature Range	°C	-200 to 350	-100 to 700

GENERAL PROPERTIES

- Continuous service up to 350°C
- Suitable for RTJ, RF and mismatched RF to RTJ flanges
- Suitable for pressure ratings from Class 150 to 2500
- Compressed fibre facings of mica & synthetic fibres bound with NBR on a high strength metallic core
- Excellent chemical resistance
- 3xA anti-stick finish

TESTS & CERTIFICATIONS FOR KLINGER SHIELD

- Fire-safe to DIN EN ISO 10497 / API 607
- Fire-safe to API 6FB
- Thermica complies with BS 7531 Grade AX

KLINGER SHIELD INSULATION SET COMPONENTS

Insulating Gasket:	Class 150 to 2500	4.6mm Thermica with metallic core
Insulating Washers:	Class 150 to 2500:	3.2mm HCS Washers 4 washers per bolt, suitable for use up to 260°C
Insulating Sleeves:	Mica, wall thickness 0.75mm,1 per bolt	

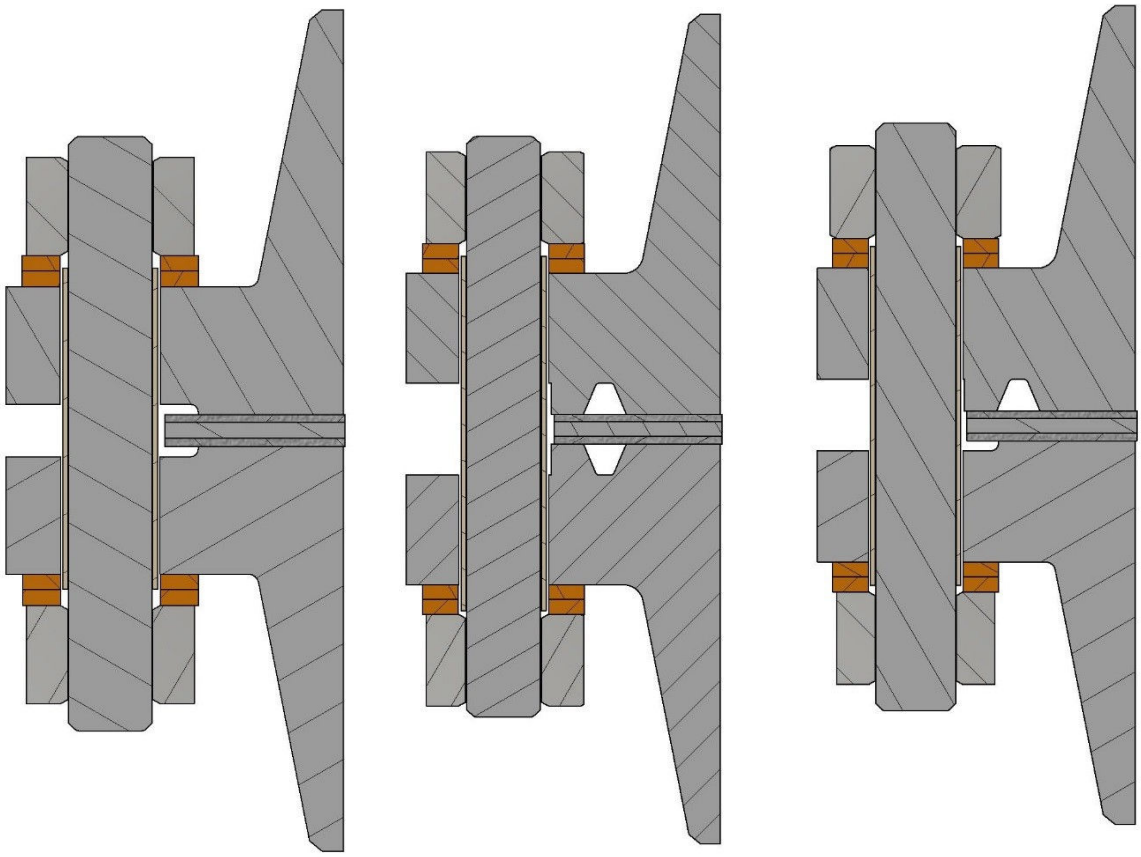


Figure 2 – Shield HT Insulation sets can be used between raised face & RTJ flanges and mismatched combinations. Washers shown are HCS type.

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