








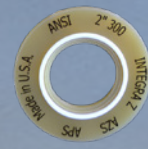
INTEGRA SERIES GASKETS

SEVERE SERVICE CATHODIC ISOLATING GASKETS

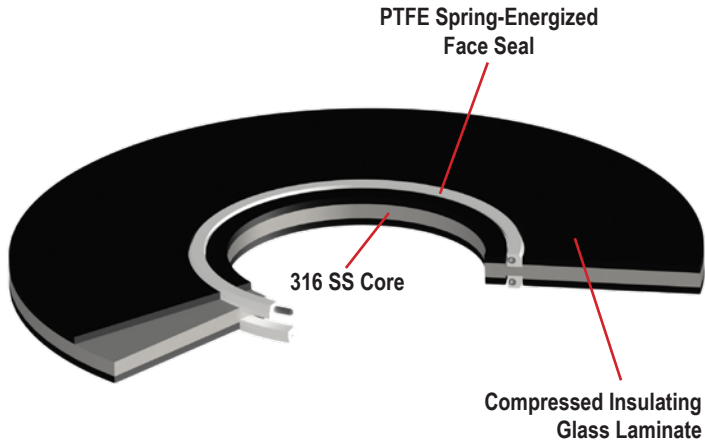
The Integra Series gaskets are exceptionally dependable for isolating and sealing purposes in severe service applications. These gaskets are applicable for:

- Isolating between flanges of dissimilar metals to prevent galvanic corrosion.
- Wellhead isolation from inter-connected flow lines.
- Mating mismatched dissimilar flanges.
- Eliminate turbulence and flow-induced erosion between ring-joint (RTJ) flanges.
- Protect against corrosion on uncoated or scarred flange faces.
- Seal between flanges subjected to vibration/cavitations.
- Eliminate corrosion from forming in the cavities between RTJ flanges where intense modes of hostile chemicals may be present.

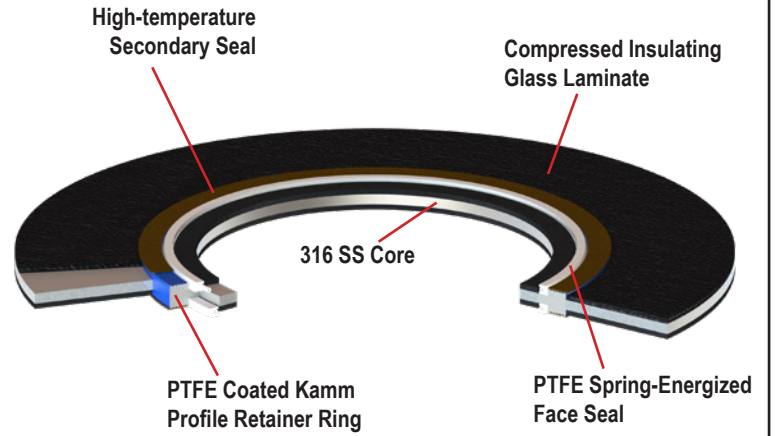
GASKETS ONLY

	INTEGRA II SSA	INTEGRA II SSAFS	INTEGRA II SSAID	INTEGRA XT	INTEGRA HS	INTEGRA Z
Picture						
Applications	<p>- Severe Service Applications up to and including ANSI 2500# and API 10,000# classes.</p> <p>-Designed fore severe isolating service in harsh environmental applications, especially where hydrocarbons are a factor.</p> <p>-Various sleeve & washer options available.</p>	<p>-Critical Fire Safe Applications</p> <p>-Incorporates high-temp sealing characteristics of kammprofile with a highly dielectric mineral secondary seal.</p> <p>-Highly suitable for all severe service applications up to and including ANSI 2500# and API 10,000# classes.</p> <p>-Zero-free leaks for high sulfur content crude oil or H2S gas fugitive emissions, proven through multiple applications.</p> <p>-API 6FB Approved.</p> <p>-Available with hardened-coated steel washers and various sleeve options.</p>	<p>-Suitable for applications with high chloride content or other highly corrosive media.</p> <p>-Zero-free leaks for high sulfur content crude oil or H2S gas fugitive emissions, proven through multiple applications.</p> <p>-Provides reliable PTFE seal at flange bore, providing excellent chemical resistance which enables the gasket retainer material to be impervious to the most aggressive media within the pipe.</p> <p>-Various sleeves & washer options available.</p>	<p>-Critical extreme temperature applications.</p> <p>-Suitable for steam applications.</p> <p>-Combines the reliability of a Kamm-profile retainer with the temperature capabilities of a highly dielectric mineral seal.</p> <p>-Kits are available with extreme temperature sleeves & washers.</p>	<p>-Suitable for aggressive chemicals (e.g.: hydrogen sulfide, dry and liquid chlorine).</p> <p>-Incorporates the reliability of a stainless steel Kamm-profile ring with a non-asbestos compressed outer retainer ring and hydrogen sulfide-resistant PTFE-based seals on both sides of the gasket.</p> <p>-Effective at sealing across a wide range of chemicals, hydrocarbons, and gaseous mixtures.</p> <p>-Various sleeve & washer options available.</p>	<p>-Cryogenic gasket</p> <p>-EC-5000 retainer material developed for and used by NASA for absolute zero operating temperatures.</p> <p>-Various sleeve & washer options available.</p>
Max Operating Temp	G10: 302°F(150°C) G11: 400°F(205°C)	G10: 302°F(150°C) G11: 400°F(205°C)	G10: 302°F(150°C) G11: 400°F(205°C)	800°F(427°C)	Variable Depending on Washers/Sleeves	Absolute zero operating temperature? -273°C / -459°F
Compressive Strength	G10: 66,000 PSI G11: 58,000 PSI	G10: 66,000 PSI G11: 58,000 PSI	G10: 66,000 PSI G11: 58,000 PSI	316 SS: 85,000 PSI	316 SS: 85,000 PSI	65,000 PSI
Dielectric Strength	G10: 800 VPM G11: 550 VPM	G10: 800 VPM G11: 550 VPM	G10: 800 VPM G11: 550 VPM	635 V/mil (25 kV/mm)	406 V/mil (16 kV/mm)	670 VPM
Water Absorption	G10: 0.04% G11: 0.08%	G10: 0.04% G11: 0.08%	G10: 0.04% G11: 0.08%	Mica: 0.99%	Durlon 9000: .086%	0.10%
Flexural Strength	G10: 65,000 PSI G11: 58,000 PSI	G10: 65,000 PSI G11: 58,000 PSI	G10: 65,000 PSI G11: 58,000 PSI	316 SS: 30,000 PSI	316 SS: 30,000 PSI	75,000/65,000 PSI
Tensile Strength	G10: 51,000 PSI G11: 41,000 PSI	G10: 51,000 PSI G11: 41,000 PSI	G10: 51,000 PSI G11: 41,000 PSI	Mica: 20,300 PSI 316 SS: 44,000 PSI	316 SS: 44,000 PSI	45,000/38,000 PSI
Bond Strength	G10: 2,600 lb. G11: 2,200 lb.	G10: 2,600 lb. G11: 2,200 lb.	G10: 2,600 lb. G11: 2,200 lb.	N/A	N/A	2,300 lb.
Shear Strength	G10: 22,000 lb. G11: 21,200 lb.	G10: 22,000 lb. G11: 21,200 lb.	G10: 22,000 lb. G11: 21,200 lb.	316 SS: 71,800 PSI	316 SS: 71,800 PSI	22,000 lb.

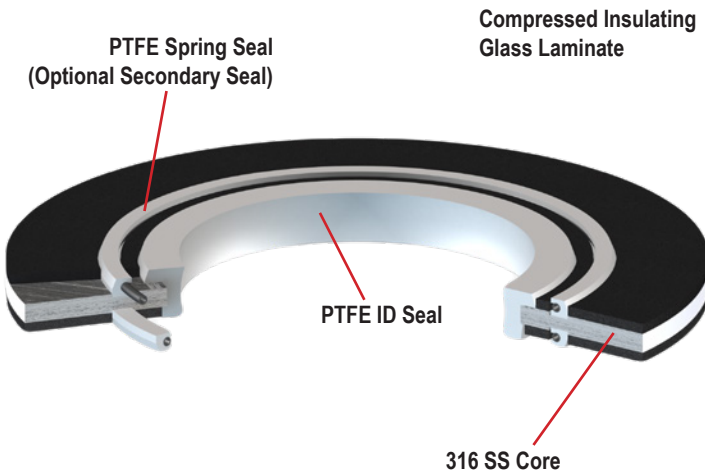
INTEGRA II SSA



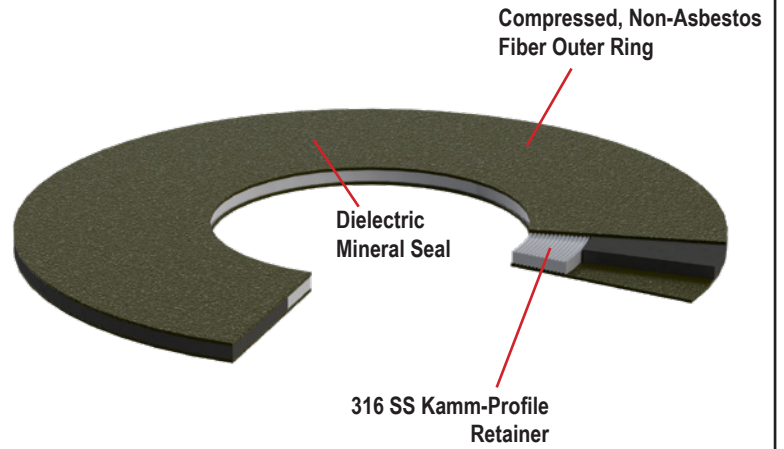
INTEGRA II SSAFS



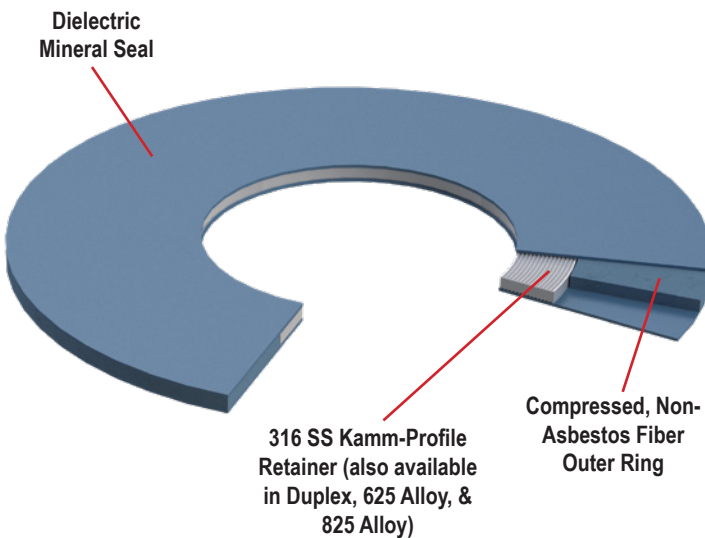
INTEGRA II SSAID



INTEGRA SSAXT



INTEGRA SSAHS



INTEGRA Z

