

Nexus **G1HDA** is a multilayer Graphite sheet gasket made up of 0.5 mm thick layers of high-quality graphite foil and 0.05 mm thick stainless steel foil. Several layers of graphite and stainless steel foil are joined together to form a single gasket sheet of exceptional capability.



Appearance: Smooth black surface. No obvious air bubbles, cracks, folds or nicks

Very resilient:

- No adhesives and binders.
- No ageing or embrittlement.
- Good resistance to chemicals.
- Resistant to thermal shock.
- No health hazard; asbestos-free.

Ease of handling:

- Resistant to buckling
- Scratch resistant
- Anti-stick surface

High mechanical strength:

- High compressive strength
- High blow-out resistance
- High rigidity

Descriptions		Unit of Measure	Technical Data				
Thickness		mm	1	1.5	2	3	4
Size		mm	L x W ≤ 1500 x 1500				
Thickness Tolerance		mm	±0.05	±0.05	±0.10	±0.10	±0.10
Number of Steel Foils		Per Sheet	1	2	3	5	7
Thickness of 316S/S Foil		mm	0.05				
Graphite Density		g/cm ³	1.1				
Density Tolerance		g/cm ³	±0.15				
Compressive Rate		%	30 ~ 45				
Resilient Rate		%	≥10				
Stress Flab Rate		%	≤7				
Ignition Loss	450 °C/1h	%	≤1.0				
	600 °C/1h	%	≤15				
Sulphur Content		PPM	<1000				
Chloride Content		PPM	<50				
Carbon Content		%	>99.0				
Pressure		bar	<250				
Temp.	Oxidising	°C	<500				
	Inert		<800				