

Machined Metal Gasket

Our various machined metal gaskets are made from solid metal in a variety of shapes with high quality numerical control machines. They are designed for high pressure, high temperature or highly corrosive applications by selecting the most suitable materials and shapes.

GA9210 Lens ring gasket

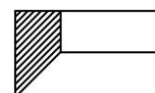
Manufactured in accordance with DIN 2696, lens ring gaskets have spherical surfaces and are suitable for use with conical flange faces.

They are used in high pressure applications and are resistant to overstressing. Effective sealing is obtained at a relatively low bolt loads.

**GA9220 Wedge gasket**

The wedge gaskets are pressure activated gaskets for use on pressure vessel heads and valve bonnets for pressures of 1500 psi (10 MPa) and above. The cross section of the gasket is such that internal pressure acting against the ring forces it against the containing surface making a self-energized seal.

They are normally plated with silver or lead, in order to provide a softer surface and minimize the force required to flow the gasket metal into the flange surface.

**GA9230 Delta gasket**

The delta gaskets are pressure actuated gaskets used primarily on pressure vessels and valve bonnets at very high pressures in excess of 5000 psi (34 MPa). Internal pressure forces the gasket material to expand when the pressure forces tend to separate the flanges. Extremely smooth surface finishes of 63 micro inches or smoother are required when using this type of gasket.

**GA9240 Convex gasket**

With convex surfaces, the gaskets are used where centralized loading of the gaskets are preferable by a reduction in area.



Other custom made gaskets according to customer's designs and drawings are also available.

Normal Materials:

Metal material	Ring identification	Maximum hardness	Temperature
Soft iron*	D	90 HB	-60°C~+500°C
Low carbon steel*	S	120 HB	-40°C~+500°C
5Cr1/2Mo	F5	130 HB	-40°C~+650°C
Stainless steel 304(L), 321	S304(L), S321	160 HB	-250°C~+550°C
Stainless steel 316(L)	S316(L)	160 HB	-100°C~+550°C
Stainless steel 347	S347	160 HB	-250°C~+550°C

* Gaskets made of soft iron or low carbon steel materials are normally applied with anticorrosive oil in final production.

Electroplating is also available on customer's special request, with a higher cost.

Other metal materials are also available on request.