

Jacketed Gaskets

A jacketed gasket is made from a soft pliable core inside a metallic jacket as seen in the diagram below.

Metallic Jacket

Almost any metal or alloy that can be found in sheet form can be used as a metallic jacket. As with any material you must consider the fluid you are sealing in order to choose the right material. The metallic jacket is typically 0.016 in. (0.4 mm) to 0.024 in. (0.6 mm) thick.

Filler

Filler material typically used in jacketed gaskets include Flexible Graphite, ceramic, mica-graphite, PTFE and other metals.

Design

Below are some recommendations for determining the dimensions of a jacketed gasket.

- **Gaskets confined by the inside and outside diameters:**
 - Gasket inside diameter = Groove inside diameter plus 1/16 in (1.6 mm)
 - Gasket outside diameter = Groove outside diameter less 1/16 in (1.6 mm)
- **Gaskets confined by outside diameter:**
 - Gasket inside diameter = Flange inside diameter plus a min. of 1/8 in. (3.2mm)
 - Gasket outside diameter = Groove outside diameter less 1/16 in. (1.6mm)
- **Non confined gaskets:**
 - Gasket inside diameter = Flange inside diameter plus 1/8 in. (3.2mm)
 - Gasket outside diameter = Bolt circle diameter less bolt diameter.

