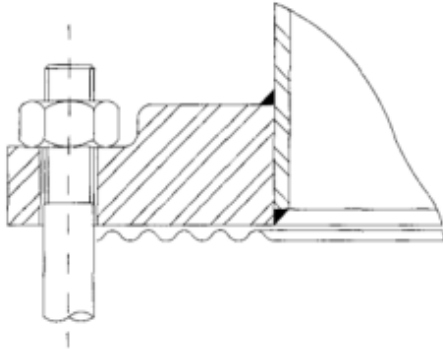




Solid Metal Gaskets - 900, 940

Corrugated Metal

Style 900 is a corrugated metal gasket. They are used in low pressure applications where there are limitations of weight and space. The thickness of the sheet should be 0.010 in (0.25 mm) to 0.04 in (1 mm) depending on the metal and number of corrugations. Due to the thickness of the sheet, the force required to seat the gasket is greatly reduced when compared with gasket styles 940 and 941. A minimum of 3 corrugations is necessary to obtain satisfactory sealing. A small flat area on the inside and outside diameters of the gasket is recommended to increase its mechanical strength. The corrugation pitch can vary between 0.045 in (1.1 mm) to 1/4 in (6.4 mm). The total thickness of the gasket is 40% to 50% of the corrugation pitch. The metal used determines the service temperature limit. Maximum service pressure: 500 psi.



Flat Metal

Style 940 is a metallic gasket that has a smooth sealing surface and can be manufactured practically in any shape. Their typical applications are in valves, heat exchangers, hydraulic presses and tongue and groove flanges. The strong points are mechanical and chemical attack resistance and they can be used in elevated temperature and pressure service. The width of the gasket sealing surface should be at least equal to 1.5 times its thickness. These gaskets depending upon their material have high maximum seating stress.

Properties and application parameters shown throughout this datasheet are typical. Your specific application should not be undertaken without independent study and evaluation for suitability. For specific application recommendations consult TEADIT. Failure to select proper sealing products could result in property damage and/or serious personal injury. Specifications are subject to change without notice. This edition supersedes all previous issues.