

# PVP 2014

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DETERMINATION OF ASME-PCC-1-2010 APPENDIX-O GASKETS PARAMETERS

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#### ABSTRACT

The bolt load calculation method introduced in Appendix-O of ASME PCC-1-2010 – Guidelines for Pressure Boundary Bolted Flange Joint Assembly [1] – has drawn attention from the gasket researching community in the past few years. In this new method, calculation is based on parameters that consider the integrity of each joint component. The parameters related to the gasket are the maximum permissible gasket stress, minimum gasket seating stress and the minimum gasket operating stress. In Appendix-O, those parameters are defined, but no information is provided on how to determine them. The intent of this paper is to determine the values of those parameters for gaskets in different material composition for different thicknesses, and to evaluate the influence of those variables on the parameters.

O trabalho completo está disponível no site oficial do ASME. [Acesse](#)

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