



## Gaskets: Design, Selection, and Testing

*By Daniel E. Czernik Vice-President*

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### **Gaskets: Design, Selection, and Testing** By Daniel E. Czernik Vice-President

Don't Blow A Gasket. . . Pick up Daniel E. Czernik's Gasket Handbook instead and arm yourself with all the know-how you need to design dependable, environment-friendly, long-lasting, high-performance gaskets. It's the only guide to cover design, selection, performance, efficiency, reliability, and testing of every type of "static" seal gasket: chemical, o-ring, metallic, and non-metallic. You'll find all the latest ASME codes, the proposed new ASME gasket constants, and in-depth explanations of: initial seal creation; seal maintenance; stress distribution testing; gasket design and environmental conditions; gasket installation; joint and gasket design and selection; sealing enhancements; rubber gaskets; failure mode and effects analysis; o-ring seals; finite element analysis; computers and gaskets; chemical gaskets; and more.

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## **Gaskets: Design, Selection, and Testing** By Daniel E. Czernik Vice-President Bibliography

- Rank: #988049 in Books
- Brand: Daniel E Czernik
- Published on: 1995-12-22
- Original language: English
- Number of items: 1
- Dimensions: 9.10" h x 1.10" w x 6.20" l, 1.46 pounds
- Binding: Hardcover
- 335 pages

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### **Editorial Review**

From the Back Cover

Here is a surefire guide to the design, selection, performance, efficiency, reliability, and testing of all types of "static" seal gaskets. This book shows you how to create and utilize high-performance gaskets for valves, pumps, compressors, pressure vessels, boilers, and many other kinds of equipment. Gaskets fully examines both nonmetallic and metallic gaskets, and assesses gasket design relative to the higher temperatures and pressures of today's industrial applications, and to standards set by current environmental regulations. This expert reference presents detailed information on: initial seal creation and stress distribution testing; effective maintenance of the seal; joint and gasket design selection; gasket testing techniques; methods of leakage detection and rating; the latest ASME codes for gasket design and the proposed new ASME gasket constants. Filled with 200 helpful illustrations, this essential engineering tool also includes a wealth of material on gasket fabrication and installation...failure mode and effects analysis (FMEA) and finite element analysis (FEA) for gaskets...internal combustion engine gaskets...and much more.

About the Author

Daniel E. Czernik is Vice-President of Advanced Technology for Fel-Pro, Inc. in Skokie, Illinois, where he has been employed since 1969. Mr. Czernik holds numerous patents for sealing products, and he has written many influential papers in the field of sealing technology. He is a Fellow Member of the Society of Automotive Engineers. He is also the coauthor of Handbook of Fluid Sealing, published by McGraw-Hill.

### **Users Review**

**From reader reviews:**

**Walter Cornwell:**

Why don't make it to be your habit? Right now, try to prepare your time to do the important behave, like looking for your favorite book and reading a publication. Beside you can solve your short lived problem; you can add your knowledge by the book entitled Gaskets: Design, Selection, and Testing. Try to make the book Gaskets: Design, Selection, and Testing as your buddy. It means that it can to become your friend when you sense alone and beside that course make you smarter than ever. Yeah, it is very fortunated to suit your needs. The book makes you much more confidence because you can know everything by the book. So , let me make new experience as well as knowledge with this book.

**Jennifer Howard:**

The book Gaskets: Design, Selection, and Testing has a lot of information on it. So when you read this book you can get a lot of profit. The book was published by the very famous author. The author makes some research before write this book. This kind of book very easy to read you can find the point easily after reading this book.

**Charles Morris:**

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