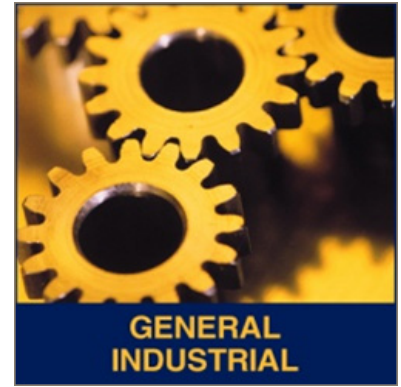


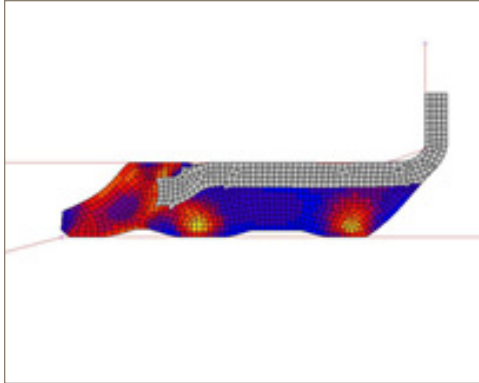
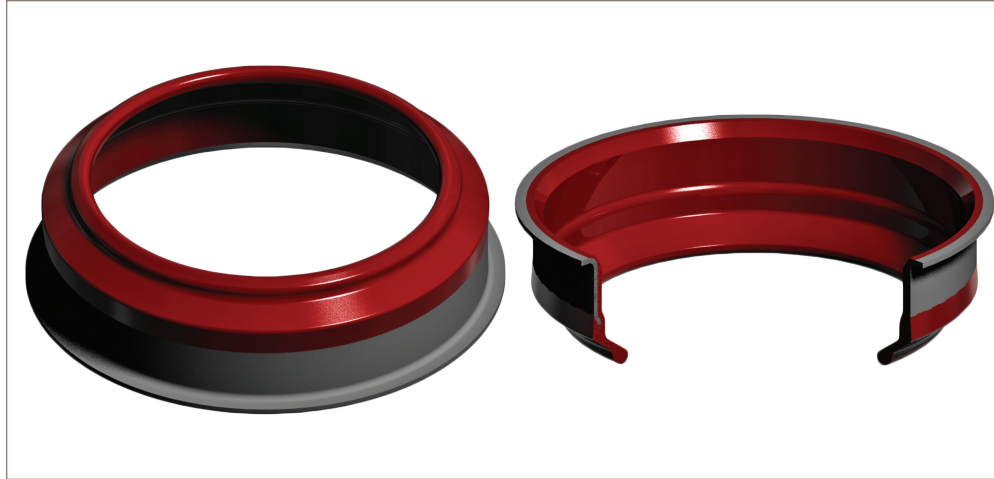
# Pipe Seals

Engineered Solutions  
Issue 5



## Problem:

Sealing of joints between pipes and bore housings has previously been accomplished by using conventional compression seals. This option has only one seal contact point which is not self-energizing and entirely dependent on rubber compression. Conventional seal options can twist in the application groove during installation of the pipe and they typically require a groove to be added to either the pipe OD or the bore ID, which adds cost to the application hardware.



## Solution:

Parker Engineered Seals Division pipe seals offer multiple contact points for added sealing capability, and there is no need for a groove in the application. This type of seal concept can use compression beads, self-energizing sealing lips, or a combination of these technologies. The flexible sealing lip technology allows seals to function during extreme pipe OD to bore misalignment. Most pipe seal concepts have an overmolded metal insert to provide some structural integrity. With some configurations, this metal insert can also function as an integral back-up support ring for extreme pressure applications. Pipe seals are available in various materials to meet the temperature and fluid compatibility requirements of your application. Typical application pressures reach up to approximately 250 PSI, but with an integral seal backup ring, application pressures up to 3,000 PSI are possible.

**Applications:** Parker ESD pipe seals are used in a wide variety of automotive, agricultural, and industrial applications such as coolant lines, filter neck seals, fill tubes, turbo charger pipes, fluid transfer, etc.

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Contact Parker Engineered Seals Division and ask for a product engineer to review your application and see what opportunities are waiting to be discovered!



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