Application:
ThredSeals® are safe, reliable and reusable seals for threaded devices. They are designed to seal directly against threads, without any special requirements. They are self-centering, non-directional and affordable. ThredSeals® can also offer considerable savings because they enable the use of low cost standard fasteners and full threaded fittings. They are easily assembled without need for special skills or tooling – simply push them on with a slight twisting motion and tighten the fastener.

Features:
Unlike other cure-in-place thread sealing methods, ThredSeals® are mechanical, not chemical in application. They can be easily assembled and removed, do not require set up cure time, and are easily parted from contacting surfaces without special tools or chemicals. This enables easy access to the sealed areas. ThredSeals® seal at the recommended pressure and temperature levels by utilizing the bolt threads to form a contained elastomeric dam. If the elastomeric element is not damaged to the extent of tearing or rupturing, the seals are reusable. Close visual inspection after each removal is recommended, and the use of cover washers will reduce the possibility of tears or breaks in the rubber, as well as provide adequate seating surfaces for the nut.

Design Requirements:
ThredSeals® work by blocking all leak paths in a threaded fastener. They are used with standard bolts or screws and generally are seated on the nut side of the fastener. Unlike sealing directly underneath the bolt head, the nut side of the fastener has an additional spiral leak path, created by the threads, which will permit the fluid to wind its way through the helix. ThredSeals® have three wedge shaped protrusions on the inside of the seal. Since all standard screw threads have only a single V-shaped spiral channel, one of these wedges will always be in position to block the flow of fluid through this channel.

Key Benefits:
- Effective sealing for standard fastener sizes
- Self-centering
- Non-directional
- Easy to assemble and disassemble
- Reusable
- Readily available in standard fastener sizes
- Affordable