

CDI Seals

CDI Seals uses a combination of Technology, Innovation, and Reliability to manufacture high performance devices for the diverse applications found in the Industrial, Scientific, Consumer or Energy sectors.

CDI's Technology driven manufacturing processes provide the versatility necessary to ensure the best possible sealing solution for our customers' unique requirements.

The CDI engineers utilize Innovation in design and materials to overcome the challenges presented by strict emission standards, aggressive media, and high temperature/pressure applications.

CDI has a reputation for Reliability throughout industry by providing consistently superior sealing products for over 30 years. CDI has the experience required to manufacture reliable seals and components for all forms of industry.

With manufacturing operations in Houston, Texas, Hamburg, Germany & Hampton, UK that are supported by partners or service centers located in the North America, South America, Europe, Asia and the Pacific Rim CDI is a company of Global capabilities.

Fenner Advanced Sealing Technologies

Working closely with our customers using the most advanced materials and technology to supply sealing solutions for the most demanding performance-critical applications.

FAST (Fenner Advanced Sealing Technologies) manufactures and distributes specialist seals, and provides advanced sealing solutions for process and fluid power applications throughout Europe, North America and the Asia Pacific region.

Applications include: mining, automation, earth-moving and construction machinery, petrochemical, oil, gas and downstream activities, as well as the pharmaceutical, medical, semiconductor and aerospace sectors.

FS-Seal/S-Seal

FS-Seals for ID type static sealing applications in Oilfield & Industrial fluid conveyance systems
S-Seals for static sealing applications in Oilfield, Industrial and Marine Equipment

www.cdiseals.com

Recommendations and design information are based on our experience, testing in specific conditions and industry standards; and is for general guidance. It does not constitute a guarantee or warranty of performance of any product. Customer must decide suitability for his purpose. Testing in the actual equipment and conditions of use is always recommended.

CDI Seals

8103 Rankin Road
Humble, Texas 77396

T: 281 446 6662

F: 281 446 7034

email: sales@cdiseals.com

www.cdiseals.com



FS-Seal

- Large cross-section/diameter ID version of S-Seal
- Designed in deflection capability to seal large/inconsistent extrusion gaps
- Flexible seal for easy installation/field repair
- Manufactured from a broad range of spec grade elastomeric materials
- Standard and/or custom sizes available

CDI Seals' innovative FS is a replacement for S-Seals in applications with large extrusion gaps or where equipment diameters may be inconsistent.

The CDI FS-Seal incorporates metal garter springs with a uniquely designed elastomeric seal element capable of sealing areas where a high degree of seal deflection is necessary to compensate for variations in piping, casing, or large diameter parts.

CDI FS-Seal technology is specially suited to applications where there are large extrusion gaps relative to diameters. CDI FS-Seals are precision molded seals that employ anti-extrusion springs to produce an ID type seal effective in pressures to 10,000 PSI. The FS-Seal has a unique shape that allows for a high level of deflection across the full range of operating temperatures without the risk of gland over-fill.

Like the CDI S-Seal, the reliable one-piece CDI FS-Seal construction eliminates the installation problems that can occur when using multiple component seals. FS-Seals are inherently flexible for positive installation in practically any large diameter gland.



S-Seal

- One piece seal for easy installation/field repair
- Low to high pressure sealing
- Designed to bridge large extrusion gaps
- Manufactured from a broad range of spec grade elastomeric materials
- Standard and/or custom sizes available

CDI Seals' innovative version of the S-Seal is a technologically advanced replacement for traditional three piece T-seals or o-rings with back-ups.

The CDI S-Seal incorporates metal garter springs with a uniquely designed elastomeric seal element to withstand large extrusion gaps and high pressures.

CDI S-Seal technology is exceptionally successful in applications where the extrusion gaps are up to .125" (3.175mm). CDI design criteria utilizes a proven "shape factor" concept that is molded with precisely calculated anti-extrusion springs to produce a seal proven to be effective in pressures exceeding 15,000 PSI. The S-Seal design allows material choices for a variety of services and temperatures to 500° F without the risk of gland over-fill.

The one-piece CDI S-Seal construction eliminates the installation problems that can occur when using multiple component seals. The S-Seal can be stretched into place without splitting or compromising the non-extrusion elements of the seal. S-Seals can be manufactured to accommodate practically any gland dimensions including large diameters or cross-sections.

A recent innovation in CDI S-Seal technology has expanded its use from strictly static applications to those requiring the limited amount of axial motion found in connectors, risers, and the like.

