

Sealing for Defense Electronics

CSS 5121-USA

Parker Gask-O-Seals™ and Integral Seals™ are ideal for electro optical, thermal and infrared systems

Parker Gask-O-Seals and Integral Seals can be used in rugged environmental areas that require low leak rates with gaseous media, routinely tested with helium media down to 1×10^{-8} standard cc/sec, including:

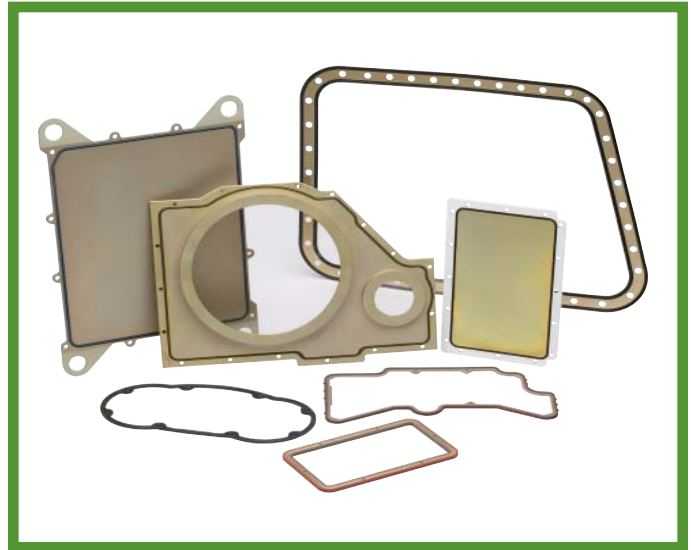
- Stationary & Portable Target Aquisition Systems
- Field Computers and Displays
- Remote Controlled Systems
- Handheld Tactical Radios
- Integrated Sighting Modules

Parker has over 50 years of experience in bonding and sealing technology developed expressly for a wide range of military applications. The CSS Division's products are ideal for quick, easy, and precise installation on the assembly line or in the field.

CSS provides total sealing solutions, adding value to the customer by incorporating various assembly components (screws, screens, pads, etc.) into one shippable solution.

Integral System Seals

The Integral Seal design eliminates the need for a machined or molded groove in the mating hardware. The seal is kept in place by chemically and/or mechanically bonding the elastomer to the retainer edge. Seals can be molded to metal retainers as thin as .025 in (.635 mm).



Gask-O-Seal and Integral Seals are used in a wide range of military, communications, aircraft and marine applications.

Integral Seals have flexibility to conform to mating surfaces, and require low closure force to seal. They work well in applications where minimal land width is of concern. They can be custom engineered to meet the environmental and/or pressure sealing requirements on a wide variety of systems.

Gask-O-Seal System Seals

The Gask-O-Seal is a metal, plastic or composite retainer with a machined groove into which a custom engineered rubber element is chemically and/or mechanically bonded, creating a dependable, responsive seal. The rubber element can be molded directly to flat or curved surfaces.



Photos Courtesy of U.S. Army

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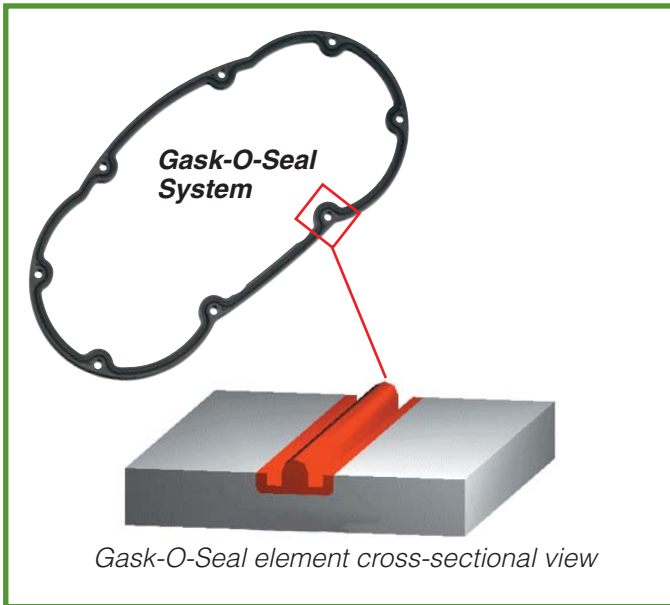
Parker Hannifin Corporation
Composite Sealing Systems Division
7664 Panasonic Way
San Diego, CA 92154
Phone: (619) 661-7000 Fax: (619) 671-3206
www.parkerseals.com

Build With The Best!



Typical Examples

Gask-O-Seals



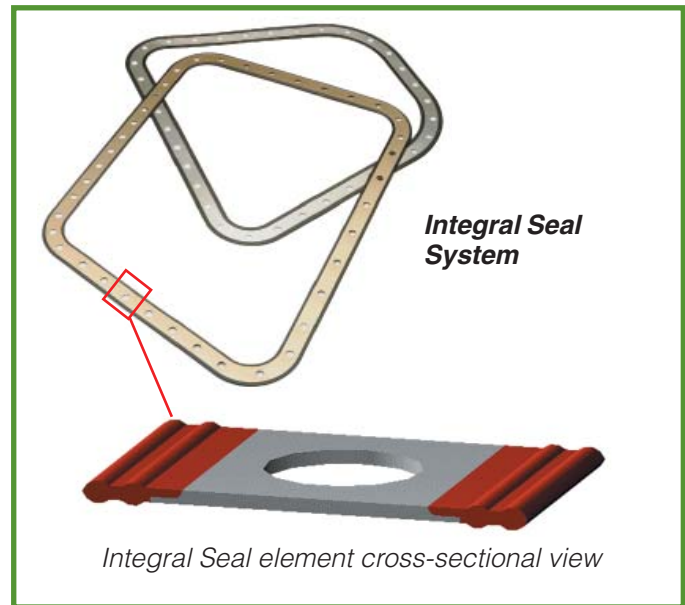
Features

- Rubber element is chemically bonded directly onto retainer
- Custom engineered seal cross-section
- Limited area of fluid attack, 25-50% less than traditional sealing options
- Seals can be installed directly into system

Benefits

- Quick & easy installation – a one-piece solution
- Leakproof sealing capability
- Extended service life
- Reusability

Integral Seals



Features

- Rubber element is chemically and/or mechanically bonded to retainer
- Custom application specific engineered seal design
- No cleaning or scraping required for seal removal
- Metal retainer as thin as .025 in (.635 mm)

Benefits

- Quick & easy installation - a one-piece solution
- Direct retrofit capability - no changes required to mating hardware
- Reduced maintenance downtime
- Flexible retainer - easily conforms to contoured surfaces

Please call for further details on availability of elastomers, surface treatments, and retainer materials.

