



Parco

HIGH PERFORMANCE SEALS

Put 70 years' experience to work for you.



PARCO IS A LEADING MANUFACTURER OF O-RINGS, CUSTOM MOLDED SEALS, AND MACHINED METAL PARTS.

We offer the best technical expertise in the industry, and we respond to our customers – from the time they request a quote until they receive their parts. We want to be your seal supplier.

Founded in 1941, Parco was the first manufacturer to specialize in O-rings, still one of our primary products. Today, Parco has two modern facilities manufacturing O-rings, custom-molded elastomeric seals, rubber-to-metal bonded parts, and machined metal parts. Our 154,000 square-foot facility in Ontario, California is one of the largest plants in the world making molded rubber seals. Our 30,000 square-foot facility in Dallas, Texas specializes in complex custom-molded elastomeric products and machined metal parts.

We've implemented quality and management systems that measure up to the toughest standards. In R & D, tooling, and production, we have developed techniques and software that make Parco products the best in the business. We test every batch of material to verify that its key physical properties are conforming. Every molding press is computer controlled to ensure consistency and to optimize productivity. And we know neatness counts. Our entire plant is clean and orderly, and our equipment is well maintained.

PARCO SELLS TO MANY FORTUNE 500 COMPANIES WHO DEMAND WORLD-CLASS QUALITY.

To maintain the highest quality we make our own molds, develop and mix our own compounds, and mold our parts in computer-controlled presses. We use video inspection machines to check each part for surface defects and dimensional accuracy. Our quality management system is certified to international standards ISO 9001 and ISO/TS 16949 and aerospace standards AS9100 and AC7115.

OUR PRODUCTS THRIVE IN TOUGH APPLICATIONS.

Parco is an industry leader in the development of proprietary elastomeric compounds and rubber-to-metal bonding techniques. We offer a variety of products including O-rings, back-up rings, custom molded seals, rubber-to-metal bonded parts, and machined metal parts.

O-RINGS

Parco is your convenient source for quality O-rings. We make all 369 standard sizes, hundreds of special sizes, and O-ring kits. We also manufacture standard and custom metric sizes. Parco offers O-rings that meet virtually every military and industrial specification. With more than 100 million O-rings in stock, Parco maintains one of the largest inventories in North America.

BACK-UP RINGS

We make back-up rings (hard rubber, contoured back-up rings) for use with O-rings in high-pressure applications. Parco back-up rings are more reliable, less costly, and easier to use than leather or Teflon.

RUBBER-TO-METAL

Rubber-to-metal bonded seals are used in a variety of applications, including automotive braking systems, fuel-dispensing equipment, and oil field completion tools. In most cases, Parco makes the metal inserts. To ensure high quality and on-time delivery, we machine our own metal inserts using numerically controlled lathes.

Parco's products are also available through our knowledgeable distributors. For one near you, please contact a Parco customer service representative.

CUSTOM MOLDED

Parco makes custom molded products in outside dimensions ranging from 0.500 to 10 inches, and thicknesses from 0.050 to 2 inches. Parco makes a variety of other custom molded seals including, oil field packing elements, molded rubber compensators, rubber balls, molded gaskets, molded square cut parts, rubber sheets, cord stock, brine seals, and U-cups.

MACHINED METAL

Parco offers turnkey metal machining for both simple and complex parts. We work with a wide variety of materials, including:

- Bar tubing, castings, forgings, flat stock
- Aluminum and brass
- Ductile iron
- Carbon steel (1018, 1026)
- Alloy steel (4130, 4140, 8620)
- Stainless steel (303, 304, 316, 410, 416, 17-4)
- Corrosion-resistant alloys

Parco makes machined metal parts in outside diameters and lengths up to 15 inches.

OUR PRODUCTS ARE AVAILABLE IN 11 ELASTOMERS.

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|--------------------------------------|-------------------------------|---------------------------|
| • Aflas® | • Hydrogenated nitrile (HNBR) | • Polyurethane |
| • Ethylene-propylene (EPR, EPDM) | • Neoprene | • Silicone |
| • Fluorocarbon (Viton® and Fluorel®) | • Nitrile (Buna-N) | • Styrene-butadiene (SBR) |
| • Fluorosilicone | • Perfluorocarbon | |





OUR TECHNICAL EXPERTISE IS UNMATCHED.

Parco is the leading expert in developing proprietary elastomeric compounds and molding elastomeric parts. We have more than 70 years' experience providing customers with quality parts on time. We don't rely on outside sources to get it done right. We develop, mix, and mold our compounds in-house.

COMPOUND DEVELOPMENT

Parco's seals are available in more than 500 compounds. That means we likely have a compound specifically formulated for your application. If we don't, we can develop one for you. Parco's chemists are industry leaders and authorities that Parco's customers have come to rely on. And for good reason. Parco's chemists regularly review new materials with development chemists at leading polymer suppliers to ensure Parco offers the latest in sealing technology. Our compounds are available in a variety of colors and resist everything from sour oil to chlorine to rocket fuel. They perform at temperatures from -80° to +600°F.

RUBBER MIXING

Parco's compounds are prepared on large internal mixers. We also mix small compound batches in our R & D laboratory to accommodate prototype requests. We recently doubled our mixing capacity to ensure we are using the latest technology and that we keep the most competitive lead times in the industry. Parco tests each batch of material to verify that six physical properties are conforming. Only batches that meet every property are released into production. In addition to our own standard compounds, Parco is capable of mixing customer supplied formulas and specialized materials.

MOLD MAKING

Parco responds quickly to orders for new custom parts. We make our own molds in-house using a vertical machining center and numerically controlled lathes. That equipment can hold machining tolerances as tight as 0.0008 of an inch. Our extensive tooling background allows us to make adjustments to new molds and repair existing molds in a matter of hours, not days.

OUR COMPOUNDS MEET THE TOUGHEST DOMESTIC AND INTERNATIONAL REQUIREMENTS.

- Military and aerospace specifications
- NSF/ANSI Standard 61 (NSF 61)
- Water Regulations Advisory Scheme (WRAS)
- Food and Drug Administration (FDA) §177.2600
- Restriction of Hazardous Substances Directive (RoHS)
- Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) Regulations
- International Traffic in Arms Regulations (ITAR)
- Export Administration Regulations (EAR)
- Underwriter's Laboratory (UL)



WE SERVE MOST INDUSTRIES

AEROSPACE & DEFENSE

When missions and lives depend on the proper functioning of small seals, specifying the right product is especially critical. Parco offers materials to meet military and aerospace specifications. We are also one of only a few manufacturers approved to supply Qualified Products List (QPL) O-rings for aerospace and defense applications.

OIL FIELD MACHINERY

A seal failure in the petroleum industry can cost more than \$100,000 a day in downtime alone. That's why the industry's leading companies specify Parco for reliable, long-term performance. We have been a leader in developing seals for oil field machinery for more than 60 years. We've put that expertise to work developing compounds capable of withstanding caustic, high-temperature environments in wells as deep as five miles.

WATER FILTRATION EQUIPMENT

Parco's peroxide-cured ethylene-propylene seals are ideal for applications that require certification to ANSI/NSF Standard 61. Those seals provide excellent resistance to swelling in chloramine-treated drinking water and have excellent resistance to compression set for extended service life. Parco offers O-rings and custom molded parts, including brine seals and U-cups, to meet the needs of the water filtration industry in the United States and abroad. When requested, Parco can also offer materials that are WRAS and KTW listed.



RIES, INCLUDING YOURS.

FARM & CONSTRUCTION EQUIPMENT

Parco's leadership in farm and construction equipment comes from the consistent performance of Parco's products in rugged environments. Both huge corporations and independent farmers depend on Parco O-rings and back-up rings to handle the toughest jobs. That's why the leading manufacturers of farm & construction equipment rely on Parco O-rings in the hydraulic systems of their tractors.

FUEL DISPENSING EQUIPMENT

Manufacturers of fuel-dispensing equipment require compound development expertise and high-volume production capabilities. Parco comes through on both counts, often exceeding customer requirements. Our seals offer excellent resistance to a wide range of fuels and ambient temperatures. With excellent resistance to compression set, our compounds extend service life. That's why the world's largest manufacturers of fuel dispensing equipment rely on Parco seals for their pumps. Parco's seals are UL 157 listed and suitable for UL 25 and UL 262 end use applications.

MOTOR VEHICLES

The motor vehicle industry demands high-volume production capabilities and consistently high quality seals for engines, transmissions, and steering systems. Parco is certified to ISO/TS 16949 and meets the critical requirements for many leading motor vehicle manufacturers. Parco O-rings play a critical role in the safe performance of their vehicles.



WE RESPOND TO YOUR NEEDS.

Our goal is to be the world's best supplier of molded seals. We've built a modern plant, hired the best people, and implemented a comprehensive quality system, all dedicated to providing you with outstanding service. No matter what challenges you face involving molded seals, we're here to solve them. No one can match our history and technical expertise. You'll receive our complete attention with a single call.

PARCO OFFERS A VARIETY OF SERVICES TO MEET OUR CUSTOMERS' VARYING NEEDS.

ON-LINE TOOLS

Parco provides customers with access 24 hours a day to the information they need. The My Account section of our website includes tools to view inventory, current lead times, and pricing. It also allows customers to track current orders and research completed orders.

RAPID PROTOTYPES

When it comes to product development or design improvement, time is critical. Parco developed its Rapid Prototype Program to provide prototype parts in as few as three working days. Prototypes are available in standard O-rings or back-up rings, non-standard O-rings or simple custom shapes, and complex custom shapes or ground parts.

ORDER EXPEDITES

When demand spikes or emergencies occur, Parco is ready to respond. We developed our Fast Track Program to provide production parts in as little as one week. Through that program, Parco can expedite O-rings or back-up rings, complex custom shapes or ground parts, and rubber-to-metal bonded parts for a minimal fee.

SPECIAL PACKAGING

Parco can accommodate most special packaging requests. Those requests include certain part quantities per bag, air filled bags, and O-rings on a rod. Upon request, Parco packages military specification O-rings according to SAE AMS-2817 (previously MIL-P-4861).

PART IDENTIFICATION

O-ring sizes and materials can be difficult to identify once they have been removed from their packaging. To assist in part identification, Parco can place colored dots on black O-rings. We also provide Teflon coating to more easily distinguish between O-ring sizes or materials. Teflon coating covers the entire surface of the O-ring and is available in a variety of colors.

STOCKING PROGRAMS

Parco maintains one of the largest O-ring inventories in the United States. We stock all standard O-ring sizes in nitrile (Buna), fluorocarbon, EP, and silicone. That means customers can receive their orders as soon as the next business day. Parco also works with its customers to stock high-volume custom parts to ensure short lead times.

YOU'LL ALWAYS RECEIVE EXCEPTIONAL SERVICE.

Parco is the most responsive company in the O-ring business. From prompt answers to technical questions, quick turnaround of quotes, and short lead times, Parco responds to your needs.

When you call Parco you'll always speak to a real person and not be frustrated by an automated system. And every time you call, you'll speak to the same person because we assign one customer service representative to each account. Our customer service representatives are well trained, experienced, and creative, with a get-it-done attitude. We also offer customers the added convenience of checking Parco's inventory, lead times, and pricing online 24 hours a day through our website. Customers can also check our general-purpose O-ring inventory from anywhere in the world using our iPhone or Android application.

Parco's sophisticated computer system helps us beat anyone's lead time. Our scheduling system allows for rush orders so other orders won't go late. We've also built in a series of crosschecks that virtually eliminate order entry errors. Our customers receive formal quotations to avoid surprises and price discrepancies. We also send order acknowledgments, packing lists, and invoices automatically to your email or fax.

For more information about Parco, please visit our website at www.parcoinc.com. There you'll have access to our sales literature, compound test reports, inventory, and much more.

WE ARE CONVENIENTLY LOCATED IN SEVERAL MAJOR U.S. CITIES.

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