



HIGH PERFORMANCE SEALING TECHNOLOGY

Hydraulic sealing products

Seal Shop's family of hydraulic sealing products is all embracing. We provide well proven products that are designed for applications ranging from delicate instruments and control actuators right up to the heaviest forging and extrusion presses.

Each product has been specifically developed to give you:



Optimum
equipment
performance



Reduced leakage



Low-friction
operation



Long trouble-free
working life

What we offer

We use the term hydraulic sealing products to describe the wide variety of devices used to assist and perform the sealing function in all types of hydraulic and associated equipment that help to provide dynamic reciprocating, oscillating or very slow rotational motion.

Nowadays, hydraulic cylinders, and their associated control component assemblies, appear in numerous forms and sizes depending on the duties they must perform.

Whatever your application, there will be a fundamental requirement for our:

ROD/GLAND SEALS

to seal around the reciprocating rod or ram

PISTON SEALS

to seal between the reciprocating piston and cylinder bore

WIPERS, SCRAPERS OR PROTECTOR BELLOWS

where the ingress of external contaminants such as dust, dirt or water must be eliminated

BEARING STRIPS

to provide support to the piston or ram under lateral loads

HYDRAULIC CYLINDER SEALS

- Hydraulic rod wipers
- Hydraulic piston seals
- Piston rings
- Guide rings
- Wear rings
- Hydraulic seal kits

PNEUMATIC SEALS

- Pneumatic Piston Seals
- Pneumatic Cushion Seals
- Pneumatic Rod Seals
- Pneumatic Rod Wipers
- Complete Piston Seals
- TDUO Seals

MECHANICAL SEALS / PUMP SEALS

O-RINGS

Materials:

- Neoprene (CR)
- Aflas (TFE/P)
- Butyl (IIR)
- Chemraz/ Kalrez / Isolast / Simriz (FFKM)
- Fluorosilicone (FVMQ)
- Teflon (PTFE)
- Polyurethane (AU)
- Buna-S (SBR)
- Encapsulated (FEP)
- Hydrogenated Nitrile (HNBR)

ROTARY SHAFT SEALS / OIL SEALS

- Rotary Shaft Seals
- PTFE Carbon Lip Seals
- Cassette Seals
- High Pressure Shaft Seals
- Combi Seals

O-RING KITS

ORFS Kits: O-Ring kit for the flat face fittings like you find on John Deere and Cat hoses, also called ORFS fittings. they have a smaller cross section a hardness rating of 90 durometers. A good kit to have in the field.

O-RING KITS

- Nitrile O-Ring Kits
- Nitrile Imperial O-Ring Kits
- Nitrile Metric O-ring Kits
- Nitrile 90 Metric O-Ring Kits
- Nitrile 70 Imperial Plumber Kit
- Nitrile 90 Imperial O-Ring Kits
- FKM O-Ring Kits
- FKM Imperial O-Ring Kits
- FKM Metric O-ring Kits
- HNBR O-Ring Kits
- HNBR70 Imperial O-Ring Kits
- HNBR90 Imperial O-Ring Kits

QUAD-RING AND KITS

CUT & JOINED O-RINGS

Cut and joined O-Rings are made from extruded O-Ring cord, then glue or vulcanized to form an O-Ring size (ID) required. Cut or Vulcanized O-Rings are an excellent alternative when standard O-Rings are not available only for static applications. This process to join the O-Ring has strict quality control procedures to ensure the join is correct and maintains the cross section tolerances. Splicing kits and glue are available for all Metric and Imperial O-Ring cords. Vulcanize O-Rings are joined with special equipment and available as per customer requirements.

O-RING CORD

O-Ring Cord ranging in size from 1.5mm – 35mm. Available materials are Nitrile 70 Shore A , Viton 80 Shore A, Silicone and EPDM on request.

BACK UP RINGS

SPRING ENERGIZED SEALS

V-RINGS

CUSTOM MOLDED SEALS

- AFLAS®KALREZ® & CHEMRAZ®
- Viton® | NBR
- Buna, Nitrile Neoprene
- Butyl Polyurethane
- EPDM | Silicone
- Urethane
- HNBR
- Hypalon
- Heat Exchanger Seals
- Hydraulic & Pneumatic Seals
- Oil & Cup Seals | Washers & Wipers
- Tank and Manhole Cover Seals
- Spreader Seals & Diaphragm
- O-Rings & Quad Rings
- Shaft Seals & U-Seals
- Gaskets & Grommets | Valve Seals Seats
- Coupling Rubbers & Seals

TORIC SEALS / DUO CONE SEALS

- Metal Face Seal
- Manufacturer of Large Diameter
- DF Silicone Cone Seal
- DO Silicone Face Seal
- DF Floating Seal
- Final Drive Floating Seal
- Heavy Duty Cone Seal
- NBR / HNBR

We provide all these hydraulic sealing products, and back them with:

- Top level technical support worldwide by local hydraulics sealing experts — backed by industry specialists and the leading-edge skills and knowledge of Seal Shop Technology Centre.
- A vast range of standard sizes for all our hydraulic sealing products.
- Standard materials suitable for the majority of applications, plus special materials for specific duties.
- Ex-stock or short lead-time availability for products to national and international standards.
- Express manufacture of specials, to help get your hydraulic plant back into operation with the minimum downtime.

OUR PARTNERS

The Hitachi logo, featuring the word "HITACHI" in bold red capital letters on a white background.The Bell logo, featuring the word "BELL" in a stylized, italicized black font with a white outline, set against a yellow background.The Liebherr logo, featuring the word "LIEBHERR" in bold black capital letters on a white background.The JCB logo, featuring the letters "JCB" in a bold, stylized black font with a white outline, set within a yellow rectangular border.The Case Construction logo, featuring the word "CASE" in bold black capital letters above the word "CONSTRUCTION" in a smaller, orange-outlined black font, all on a white background.The Cat logo, featuring the word "CAT" in bold black capital letters with a yellow triangle pointing upwards, set on a white background.The Komatsu logo, featuring the word "KOMATSU" in bold blue capital letters on a white background.

Worldwide network & supply

Seal Shop is a dynamic global manufacturing organisation that supplies a vast range of specialised products and services to virtually every industrial sector.

Today, a close-knit network of Seal Shop companies and official distributors covers over 10 countries. This is supported by a highly developed logistics operation to give you surety of supply for your:

- Just-in-time (JIT) regimes.
- Normal maintenance schedules.
- Emergency breakdowns.

We stock many thousands of different sealing products ready for same day dispatch.

If we do not stock the seals you need, we can supply them within days — rather than months. This we achieve because we compound our elastomers in-house and operate flexible manufacturing systems at our production plants, working within a tightly controlled 'lean' environment.

When necessary, production time-scales can be reduced to just hours to help you get your plant back into operation.

Customer support

Our role is to provide you with the very best:

- Customer support.
- Technical support.
- Hydraulic sealing
- Delivery.
- After sales service.

Seal Shop's Customer Support Centre leads the fluid sealing industry with its service to tens of thousands of customers worldwide.

At a local level, on-site technical advice comes from our teams of sealing experts, backed by highly skilled applications engineers and industry specialists, plus the top-level research and development capabilities of the Seal Shop Technology Centre.

Together, they have the knowledge and facilities to solve any fluid sealing problem for our customers.

Quality the prime factor

The process we select to produce your hydraulic sealing components is ruled by customer satisfaction rather than our own ease of products.manufacture.

We select the best raw materials for each product and use advanced manufacturing techniques with strict quality control at every stage.

This culminates in an exacting inspection procedure for the finished product, using state-of-the-art techniques in addition to traditional methods undertaken by skilled personnel.

Seal Shop's stockholding and logistics operations meet similar exacting quality standards.

Our quality systems are third-party registered to ISO 9001 and AS/EN 9100. We are also regularly assessed and quality approved by a wide range of industry bodies and individual customers, including multinational corporations, utilities and government organisations.



ABOUT SEAL SHOP PTY LTD

Production facilities

Our manufacturing plants for elastomeric seals are located in South Africa.

These, together with other production facilities around the world, ensure we provide industries at all levels with top quality engineered solutions for their sealing problems.

Our in-house facilities include:

- Injection moulding to 500mm (19.7 inch) diameter.
- Compression moulding to 2.2m (87 inch) diameter in a single operation with one of the biggest presses for precision moulding in Europe.
- Vacuum moulding to 2.1m (83 inch) diameter in a single operation.
- Special production techniques that enable the manufacture of seals to unlimited diameter.
- Transfer moulding.
- CAD/CAM design and auto-machining of mould tools.
- Rubber-to-metal bonding, with degreasing, acid etching and phosphating of metal surfaces.
- CNC centre for machining engineering plastics and elastomers.
- Elastomer impregnation of fabrics and fibers for production of specialised composite materials.
- Batch compounding of over 300 elastomer grades — with interlocked energy, time and temperature control for QA traceability.

Research & Development

Scientists and development engineers at the Seal Shop Technology Centre work constantly at the leading edge of fluid sealing knowledge and materials science.

They deliver the new materials, products and manufacturing techniques that improve the sealing of today's industrial plant and meet tomorrow's sealing demands before they arise.

Custom design and manufacture is a Seal Shop specialty. If a standard product will not solve your problem, we have the in-house facilities to innovate, design, prototype, develop and test hydraulic sealing systems specifically to match your operational parameters.

We also work on joint venture research projects with other organisations in the European Sealing Association — of which we are a founder member — and sponsor high-level research in partnership with world leading users of sealing technology.

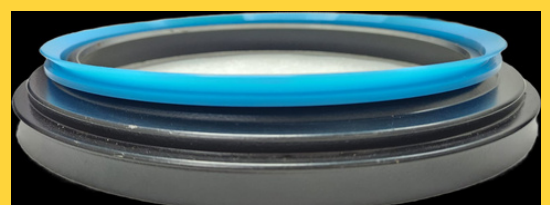
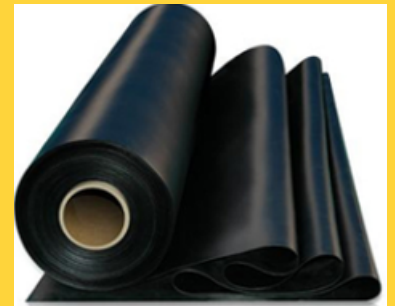
In addition to our in-house test laboratories that verify the integrity of our materials and seal designs, we regularly commission independent test houses across the world for third-party certification of our products to international and industry standards.



OTHER SEALS WE SUPPLY

6 SIMPLE STEPS TO SEAL SELECTION

DRIFTER SEAL KITS
TRANSMISSION SEAL KITS
FINAL DRIVE SEAL KITS
AXLE SEAL KITS
CONVERTOR SEAL KITS
BRAKE SEAL KITS
VALVE SEAL KITS
TRUCK SEAL KITS
CYLINDER SEAL KITS
TANK COVER AND RESERVOIR SEAL KITS
METER SEAL KITS
EATON PUMP AND MOTOR SEAL KITS
SAUER DANFOSS PUMP SEAL KITS
VICKER SEAL KITS
COUPLINGS (SPIDER SEALS)
MANUFACTURED O-RINGS
ENVELOPE GASKETS
SILICONE HOSES
EXTRUSION SEALS
INFLATABLE SEALS
BEARINGS
LOCK NUTS AND WASHERS
DU BUSHES
END CAPS
V-RINGS
RUBBER SHEETS





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