



Epidor

Seals and
Rubber Technology



Epidor Seals and Rubber Technology



WHO WE ARE:

EPIDOR Seals and Rubber Technology is the company of EPI INDUSTRIES Family of Companies specialized in sealing. We have the widest range of products and solutions on the market thanks to our own gasket manufacturing, through machining or cutting processes. Moreover, we count with the offer of our high added value and strategic suppliers.

OUR MISSION:

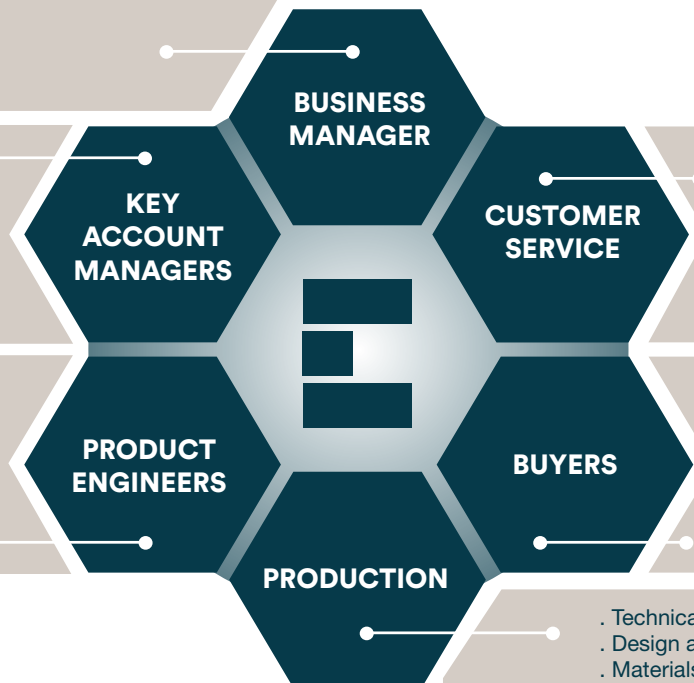
The team and resources of **EPIDOR Seals and Rubber Technology** are oriented to offer a direct service to usual users of seals, especially to machinery manufacturers as well as those industries whose processes require a critical and very specific treatment in sealing solutions.

OUR RESOURCES:

- . Marketing policies: negotiation of prices, products, sales approach, proposals for new products
- . Development of the product range
- . Value-added services
- . Sales Campaigns

- . Key Account Management
- . Impulsion of our projects
- . Commercial support to the sales team
- . Commercial coordination of suppliers

- . Technical knowledge
- . Technical advice and failure analysis
- . Advice on special applications
- . Formation: Sales Team, Customers, Universities
- . Documentary support



- . Key Accounts Support
- . Multichannel customer contact
- . Incidence management
- . Solution of claims
- . Shipment tracking

- . Supplier Management
- . Stock management
- . Procurement process
- . Enquiries / Offers / Complaints
- . Product Availability
- . E-procurement

- . Technical advice
- . Design and manufacture
- . Materials research and testing
- . First Sample Reports
- . R+D+I Policy

WE OFFER::

TECHNICAL ADVICE AND SOLUTION DESIGN:

We collaborate with the engineering companies of our customers, partners and suppliers to find the most reliable and profitable solution.

IN-HOUSE MANUFACTURING AND DESIGN OF CUSTOM PARTS:

We adapt to the needs of our clients and their applications, being able to combine our own production with that of our collaborators.

PRODUCT HANDLING AND ASSEMBLY TRAINING:

Our service not only ends when the product is delivered, but we also take into account its correct handling for optimum operation.

SPECIAL LOGISTIC TREATMENT:

Assembly of kits, laser marking of parts, packaging and personalized labels, urgent shipping service in 24 h...



Test bench for gaskets and sealing systems for hydraulic cylinders, first sample reports, quality controls...

CERTIFICATIONS:





IN-HOUSE DESIGN AND MANUFACTURE:

As a custom gasket manufacturer, **EPIDOR Seals and Rubber Technology** can offer technical solutions for a multitude of applications where durability, chemical compatibility, temperature resistance and functionality are crucial.

In addition, we have the strictest material certifications.

PERSONALIZED SERVICES:

FOR ORIGINAL EQUIPMENT MANUFACTURERS

Product development

- Advice in the design phase.
- Supply of functional samples for manufacturing.
- Rapid readjustment of the design in the homologation phase.
- Short series for prototypes (48 hours).

Equipment manufacturing

- Supply of small and medium series without the cost of moulds or tooling.
- Manufacturing service to cover emergencies in 24 hours.
- Product reliability. Adaptation of control guidelines to customer needs.

After-sales market

- Supply of small series.
- Individualized packaging.
- Personalized marking of pieces.
- Failure analysis.
- Training.

FOR MACHINE MAINTENANCE

Manufacturing and consulting in standard solutions

- Standard range manufacture in 24 hours.
- Adaptation of the seals to cover functional changes of the equipment.
- Individualized marking and packaging.
- Reverse engineering.
- Failure analysis.

MARKETS:



- Agriculture
- Food
- Mechanical Construction
- Packaging
- Pharmaceutical industry
- Chemical Industry
- Oil & Gas
- Engineering
- Public Works
- Automotive industry
- Marine
- Siderurgy and Metal Transformation
- Water treatment and distribution networks
- Industrial vehicles

APPLICATIONS:



- Sealing of Rotary Equipment: Pumps, Motors, Machine Tools
- Static Seals for Valves, Flanges, Mechanical Construction
- Hydraulics and pneumatics: Cylinders, Presses
- Insulation of Vibrations in Machines, Compressors, Generators
- Aseptic Gaskets: Sanitary Fittings, Medical Equipment, Packaging Machines

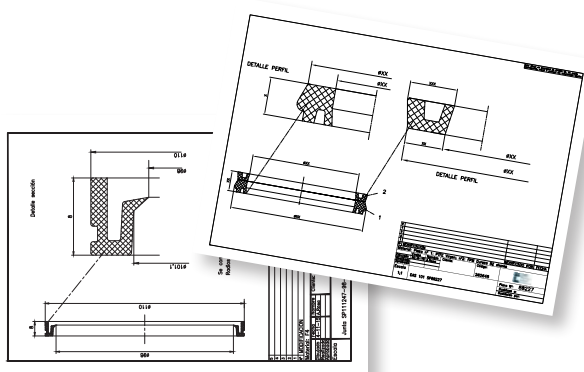
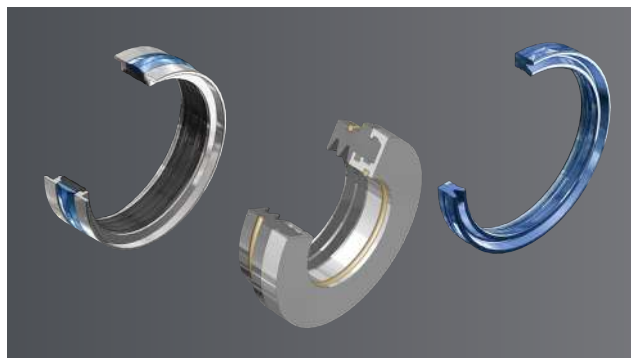
MACHINED SEALS:

Our experience, together with the most advanced technology in the seals machining, allows us to supply parts from 4 to 2500 mm with the best finishes and tolerances.

Our wide stock of high quality raw material guarantees fast and reliable deliveries.

Usual materials:

- Polyurethanes: HPU, C-HPU, PUBL, HTPU, LTPU, SLPU...
- Elastomers: NBR, HNBR, EPDM, FKM, VMQ, Aflas...
- Virgin PTFE.
- Filled PTFE: Fiberglass, Bronze, Graphite, Ekonol, PEEK, Ferrite...
- Technical plastics: POM, PA, PE, PEEK
- Phenolic resin.

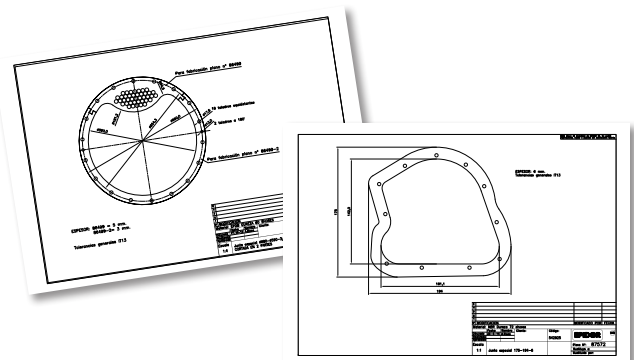
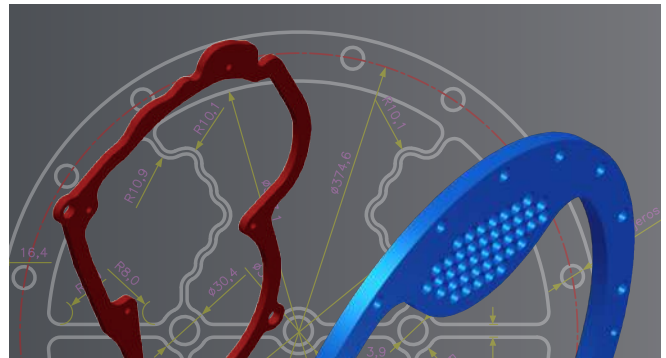
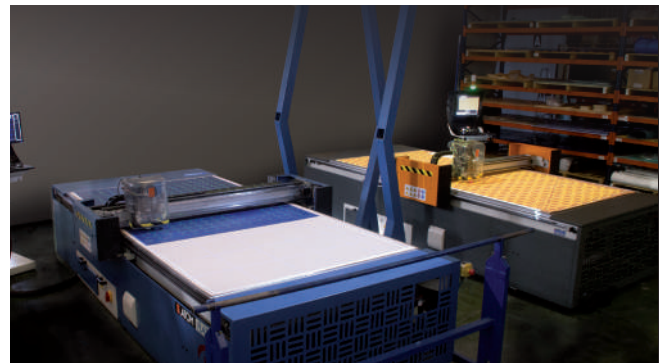


FLAT GASKETS:

The availability of our own machinery for the manufacture of flat gaskets and a wide stock of high-performance laminated materials allow us to offer reliable and suitable solutions to the specific needs of each sector.

Usual materials:

- Fibre composites with elastic binders
Fibers: aramid, glass, Kevlar, Inorganic, Carbon, Graphite.
- PTFE
Virgin, expanded, modified, restructured.
- Expanded or laminated graphite.
- Elastomers (Compact and spongy)
Natural Rubber, Neoprene, NBR, EPDM, FKM, VMQ.
- Paper (cellulose fibre).



O-RINGS, X-RINGS

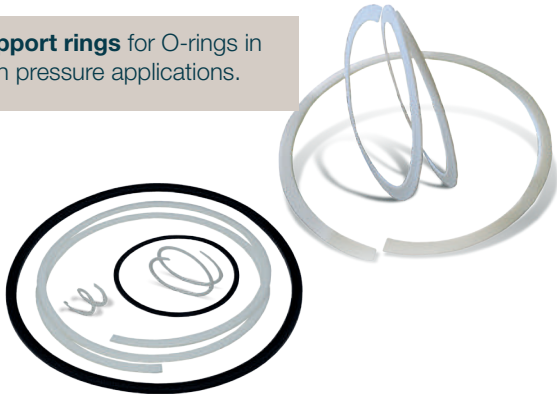


Molded O-rings in standard or special materials for non-conventional applications.



Cord and O-rings manufactured by extrusion and vulcanized.

Support rings for O-rings in high pressure applications.

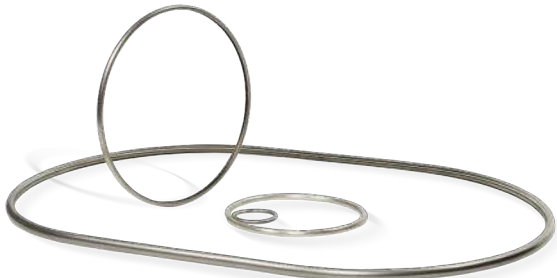


O-rings encapsulated in FEP or PFA, for chemical applications.

Metallic O-rings for static applications at extreme temperatures and/or pressures.



X-Ring Square Section rings



STATIC SEALS



Flat gaskets cut from fiber materials, graphite, PTFE, elastomeric materials, etc.



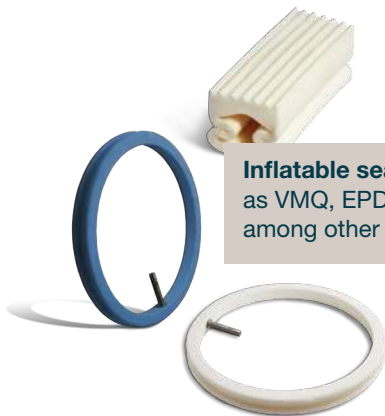
In-house manufacture of gaskets according to drawings or samples, as well as sheets of these materials.

100% expanded PTFE, flexible, conformable and resistant to all chemical products.



Spiral seals in standard sizes DIN, ANSI or ASME, as well as in special sizes on request.

Aseptic seals for food pipes connections. Materials approved for food use. DIN, Clamp, SMS designs.



Inflatable seals, in materials such as VMQ, EPDM, FPM and SBR, among other elastomers.



SEALING FOR ROTARY EQUIPMENTS

Oil seals with standard or special design, rigid or flexible mounting, 1 piece or split. Also specific seals for the automotive industry.



V-rings, defectors and axial sealing gaskets, both elastically mounted and with metal cover.



Labyrinth seals (bearing protectors). Non-contacting rotation seals in different materials, such as PTFE, bronze, etc.



High pressure rotary seals, admitting axial and radial displacements simultaneously.



Shaft sleeves for the recovery of shafts scratched by seals or for shaft protection.

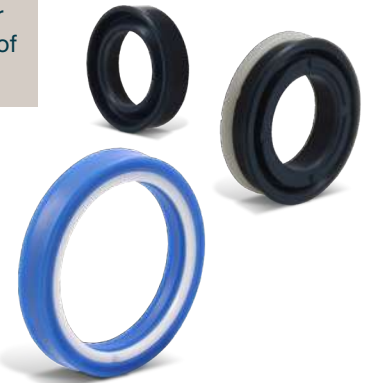


Obturator or rigid rubber-metal elements to seal auxiliary holes.



HYDRAULICS AND PNEUMATICS SEALS

Rod seals seals for installation on the cylinder shaft as individual or secondary seals as part of a combined sealing system.



Single-acting and double-acting piston seals. In elastomer materials or PTFE (low friction seals).



Rigid or elastic mounting wipers. With or without retention lip. Available in elastomer, polyurethane or PTFE.



Sliding guides for high stresses and/or smooth movement with or without lubrication.



Packing, sealing solutions for heavy hydraulics at low speed where dirt and wear problems occur.



Specific piston and rod seals for pneumatics.



ANTIVIBRATION SOLUTIONS



Cylindrical and conical bearings, capable of absorbing loads in radial and axial directions as well as angular torsional loads.



Elastic anti-vibration supports and buffers of conventional design.



Instrument and "O" type mounts, designed to work under small tensile or compressive loads on the X, Y and Z axes.



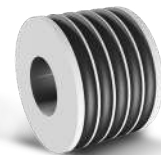
Machine feet allowing vibration isolation and levelling. We have executions entirely in stainless steel and with sanitary homologation 3-A.



Hydraulic supports that combine elastomer elasticity with low-frequency hydraulic damping.



Special designs adapted to each case...



BELLOWS, MEMBRANES, SUCTION CUPS AND PROFILES



Bellows for the protection of spindles, shafts, transmissions, print heads, linear guides and rods against dirt, splashes, dust...



Membranes, used in hydraulic (or pneumatic) driven control and regulation devices, automatic switches, pressure multipliers and measuring devices.



Suction cups typically used for objects handling. Vacuum cups, pressure cups and tailor-made solutions.

Profiles, extrusion processing of elastomers used as reinforcement elements, protection in corner protectors and sealing elements.



Special sponge rubber profiles used in automotive, industrial machinery and metalwork.

Profiles with metallic reinforcement, used for the protection of the edges of machinery.





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