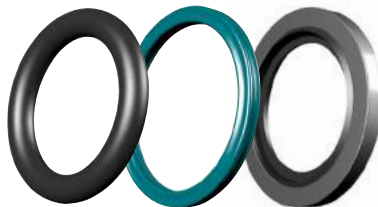




We make it *possible*



HUTCHINSON®



PRECISION SEALING SYSTEMS

In-house Manufacturing, Safe Sealing



HUTCHINSON GROUP

<p>> 38 000 employees</p>	<p>98 sites</p>	<p>24 countries</p>
<p>> 3 800 M€ Turnover</p>	<p>140 M€ Investments</p>	<p>190 M€ R&D</p>

www.hutchinsonworldwide.com

▶ IN-HOUSE MANUFACTURING, SAFE SEALING

INDUSTRIAL EXPERTISE ! OUTSTANDING SERVICE !

As a global player in precision sealing systems, we provide both standard and tailor-made solutions for all industries, including automotive, off-road, energy, water and oil&gas markets. Our products portfolio includes O-Rings, four-lips seals, special shape seals, bonded seals and PFS.

With a profound knowledge of the seals technical environments, Hutchinson brings you peace of mind. We create optimal solutions to solve customer issues, help you to develop new business and address market changes.

Dedicated to sealing, we master the whole value chain : After analysis based on your specifications, our engineers select the best compound, and design if needed the optimal geometry and related tooling. All compounds are developed and mixed at our own laboratories and mixing plants. All products are manufactured in-house.

Thanks to our one-plant concept, we ensure best-in-class quality by standardizing all our plants and processes throughout the world.

As a full service provider, Hutchinson also offers customized solutions for delivery, packaging, logistics and stock management.



OUR COMMITMENT FOR EXCELLENCE

<p>Outstanding Service Performance</p>	<p>ISO 9001 ISO/TS 16949 ISO 50001 ISO 14001 OHSAS 18001</p> <p>Approvals & Certification</p>	<p>0-ppm</p> <p>Best-in-class Quality</p>	<p>Dedicated Application Engineering</p>	<p>100 % Traceability</p>
<p>100 % Inspection</p>	<p>Fast delivery services</p>	<p>Tailor-made Solutions</p>	<p>100% In-house Manufacturing</p>	<p>Compound Development</p>

**All around the world, one-plant concept for optimal quality and performance !
In-house Manufacturing, Safe Sealing**



A WIDE RANGE OF SEALING SOLUTIONS

HUTCHINSON COMPOUNDS

We develop and produce our rubber compounds in our own mixing plants, assuring consistency and highest quality for our customers.

A wide compound range, from NBR to low temperatures FKM, including EPDM, HNBR, AEM, IIR, VMQ, ACM and FVMQ enables to design sealing solutions for a large range of applications from low to high pressure, from 50 to 98 Shore A, at very low and very high temperatures (T° from -70°C to 250°C).

Hundreds of compounds with approvals for oil (NORSOK & TOTAL), gas (UL, EN549), water (KIWA...), food (FDA), hydraulic and pneumatic applications. Approvals by major automotive OEM & all Tier level suppliers with more than 1,000 specifications are at your disposal to fulfill your highest requirements.

O-RINGS

- > Shapes designed according to your requirements up to 2100 mm
- > Dimensions following international norms AS568, BS1806, ISO3601, LJF Bague R, JIS B2401, or specific



BONDED SEALS & PFS

- > Bimaterial seal for flange sealing in compressed air, oil and cooling liquid applications up to 2000 bars
- > Standard design or special shapes
- > Diameters up to 650 mm
- > Stainless-steel, brass and nickel coated...



4-LIPS SEALS

- > Double sealing lines
- > Shapes designed according to your requirements
- > Suitable for both static and dynamic applications. Reduced insert force during assembly.

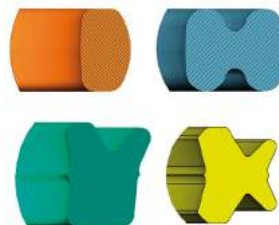


SPECIFIC REQUIREMENTS

- > A wide range of coatings and surface treatments
- > Cleanliness and S-Grade
- > Packaging specifications

SPECIFIC DEVELOPMENTS

- > Besides a wide range of dimensions in stock, we develop the optimal sealing solution together with your technical teams.
- > The cross section is designed to guarantee the best level of sealing. If needed, in-house coating can be applied. We offer you our support in designing the optimal groove dimensions.
- > Our central R&D and laboratories develop compounds and designs using the highest technological equipments :
 - Chemical and physical analysis
 - Scientific calculations (FEM)
 - Test rigs
 - Specific testing and development





HUTCHINSON®



HUTCHINSON®
LE JOINT FRANÇAIS



HUTCHINSON®
NATIONAL O-RING



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