



HUTCHINSON®

We make it *possible*

PRECISION SEALING PHARMACEUTICAL INDUSTRY



In-house Manufacturing, Safe Sealing



HUTCHINSON GROUP



> 44,000
employees



25
countries



100
sites



217 M€
R&D



> 4,314 M€
turnover

www.hutchinson.com

As a leading manufacturer of sealing solutions, Hutchinson provides standard and tailor-made O-Rings, X-Rings, Bonded Seals and special-shaped seals.

From the compounds formulation and production to the conception and production of the parts in small or large series, we do everything in our plants.



SECURE YOUR PRODUCTION

Even more than in other markets, the pharmaceutical industry needs reliable partners capable of meeting the standards and regulations and guaranteeing the origin and quality of their products.

The consumers health and safety being a priority, we make sure that no contamination or alteration of the product occurs during the manufacturing process through the sealing elements.

Hutchinson offers a range of FDA-approved compounds for sealing solutions that may come in contact with pharmaceutical products.

We can meet various levels of cleanliness requirements (e.g. ISO 15001:2010 standard) thanks to our washing equipment and clean rooms (ISO 7 level according to ISO 14644-1 standard): Clean or UV-resistant packaging, EC regulations N°1935/2004 and FDA21 CFR177-1520.

Our quality and expertise ensure optimal sealing of applications by avoiding downtime and extending the lifespan of the installations.



As a pledge of quality and reliability, our production plants are certified ISO 9001, ISO 140001, ISO 50001 and OHSAS 18001.



SEALING SOLUTIONS



O-RINGS

- > Large standard size range in stock
- > Dimensional standards (AS568, BS1806, Bague R...)
- > Available features: surface treatments, cleanliness, micro-engraving for traceability

TAILOR-MADE SOLUTIONS

- > Development according to your specifications
- > Compounds and solutions optimizing assembly, friction...
- > Characterization & soaking tests in our laboratories
- > Finite elements calculation

BONDED SEALS

- > Bi-material seals (metal/rubber) used for the sealing of flanges in applications using gases or liquids, up to 2000 bar
- > Metal washer: many metals and anti-corrosion coatings
- > Rubber: standard and specific compounds

COMPOUNDS

- > Wide range of compounds: NBR, FKM, EPDM, HNBR, ACM, AEM, IIR, CR, VMQ, FVMQ...
- > From 50 to 98 Sh.A
- > Temperatures from -50 up to +250°C
- > From low to high pressure

Specific compounds for the pharmaceutical industry

	6EP1862	7EP1197	EP856	7PD1612	6SL2136	6SL2065
Family	EPDM	EPDM	EPDM	NBR	Silicone	Silicone
Color	Black	Black	Black	Black	White	Tr. blue
Hardness Sh A	60	70	80	74	60	64
TR10 (°C)	-50	-46	-46	-24	-45	-45
CS* (%)	18	12	12	15	28	22
FDA	✓	✓	✓	✓	✓	✓
USP Class VI		✓				✓

* ISO 815-1 Compression Set Conditions:
EPDM 24hrs at 150°C, NBR 24hrs at 125°C, Silicone 72hrs at 150°C



Compliance certificates are available on request





HUTCHINSON®



WORLDWIDE LOCATIONS



SALES OFFICES

▶ EUROPE

Château-Gontier - FRANCE
oring@hutchinson.com

Mannheim - GERMANY
info.mannheim@hutchinson.com

▶ NORTH AMERICA

Auburn Hills, Danielson, Houston
- UNITED STATES
seal@hutchinsonNA.com

▶ SOUTH AMERICA

Monte Alto - BRAZIL
precision@hutchinson.com.br

▶ ASIA

Suzhou, Wuhan, Beijing, Chongqing - CHINA
oring.sales@hutchinson-suzhou.cn

Chennai - INDIA
oring.india@hutchinson.com

Tokyo - JAPAN
oring.sales@hutchinsonjapan.com

Bangkok - THAILAND
oring.thailand@hutchinson.com

www.oring.hutchinson.com
oring@hutchinson.com