



HUTCHINSON®

We make it *possible*

PRECISION SEALING SYSTEMS

INDUSTRIAL AIR CONDITIONING



In-house Manufacturing, Safe Sealing



HUTCHINSON GROUP



> 44,000
employees



25
countries



97
sites
around
the world



5% invested
Each year in
research &
innovation



> 4,314 M€
turnover

www.hutchinson.com



ENSURING THE SEALING OF AIR CONDITIONING SYSTEMS

As a leading manufacturer of sealing solutions, Hutchinson provides standard and tailor-made solutions like O-Rings, X-Rings, Bonded Seals and special-shape 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 production plants.

The industrial air conditioning sector sees its rules regularly evolve in order to contribute to the protection of the environment. The reduction of greenhouse gases is governed by the EU 517/2014 regulation, which requires gas changes and improved sealing of devices.

Our sales and technical teams will help you select the sealing solutions best suited to your needs, while complying with the regulations in force.

As a guarantee of quality and reliability, our production plants are certified :



SEALING SOLUTIONS



O-RINGS

- > Large standard size range in stock
- > Dimensional standards (AS568, BS1806, Bague R...)
- > Available features :
 - Cleanliness (ISO 7 room)
 - Surface treatments
 - Micro-engraving for traceability



TAILOR-MADE SOLUTIONS

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



BONDED SEALS

- > Bi-material metal/rubber ring (mild steel, stainless steel) for sealing under screws, bolts, fittings, or flanges
- > For applications involving compressed air, oil, or gas
- > Feature : anti-corrosion coatings

- > Wide range of compounds : NBR, FKM, EPDM, HNBR, ACM, AEM, IIR, CR, VMQ, FVMQ...
- > Hardness from 50 to 98 Sh.A

- > Temperatures from -50°C up to +230°C
- > From low to high pression

COMPOUNDS FOR INDUSTRIAL AIR CONDITIONING

Wide range of compounds adapted to industrial air conditioning installations (refrigerators, freezers, air conditioning systems, cold rooms, etc) :

	7N1747	6N1851	7DT1730	7DT1593	8EP2147	EP7010
Family	CR	CR	HNBR	HNBR	EPDM	EPDM
Color	Black	Black	Brown	Black	Purple	Black
Hardness (Sh.A)	71	60	75	72	78	70
TR10 (°C)	-42	-44	-21	-20	-46	-46
CS* (%)	15	20	27	25	10	12

* ISO 815-1 Compression set conditions : CR : 24h at 100°C / HNBR : 72h at 150°C / EPDM : 24h at 150°C



Certificates of conformity
available on request





HUTCHINSON®



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