



HUTCHINSON®

We make it ***possible***

PRECISION SEALING SYSTEMS

HEATING



In-house Manufacturing, Safe Sealing



HUTCHINSON GROUP



> 44,000
employees



100
sites



25
countries

> 4,314 M€
turnover

153 M€
investments

217 M€
R&D

www.hutchinson.com

For decades, Hutchinson develops and produces sealing solutions like O-Rings, X-Rings, special shape seals and bonded seals.

All provided parts are manufactured in our plants, using the highest standards in the industry in order to meet the safety and reliability requirements of the heating market.



PRECISION SEALING MAKES YOU ENJOY THE WARMTH

One of the worst things happening on a cold and icy day is when the heater is going on strike because of a simple seal. Long term reliability of the heating device is mandatory and by handling gas and water, it has to be tight for lifetime.

Our sealing solutions are used in the gas and water circuits by many manufacturers of heaters, thermostats, pumps and piping systems.

Hutchinson has a wide range of drinking water and EN549 homologated compounds, which together with a sophisticated application engineering make sure that you are always on the safe side.



Hutchinson guarantees the highest quality and performance over a long time.
In-house Manufacturing, Safe Sealing

SEALING SOLUTIONS



O-RINGS

- > Rubber compounds compatible with heating fluids such as water, gas or oils
- > Wide range of dimensions
- > Corresponding to international dimensions standards AS568, BS1806, ISO3601, LJB Bague R, JIS B2401 and customized dimensions



TAILOR-MADE SOLUTIONS

- > Development according to your specifications
- > Compounds and solutions optimizing assembly, friction etc.
- > 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

- > Wide range of compounds: NBR, FKM, EPDM, HNBR, ACM, AEM, IIR, CR, VMQ, FVMQ...

- > From 50 to 98 Sh. A
- > Temperatures from -50 °C to +250 °C
- > Low to high pressure

WATER & GAS APPROVED COMPOUNDS

	Family	Compound	Color	Hardness	CS*	Approvals
drinking water	EPDM	6EP1862	black	60 Sh A	18%	2; 5
	EPDM	7EP1197	black	70 Sh A	12%	1; 2; 4; 5; 6; 7; 8; 9; 10
	EPDM	EP856	black	80 Sh A	12%	1; 2; 5; 6; 7; 10
	NBR	7PD1612	black	74 Sh A	10%**	1; 2; 5; 6; 8; 10
domestic gases	FKM	DF801	black	78 Sh A	18%	1: H3E1 (0°C/+150°C) 2: H80
	HNBR	7DT2146	yellow	70 Sh A	27%	1: H3D2 (-20°C/+125°C) 2: GBL
	NBR	PB701	black	68 Sh A	12%	1: H3B2 (-20°C/+80°C)
	NBR	PC851	black	79 Sh A	15%	1: H3B1 (0°C/+80°C)
	NBR	7PD1612	black	74 Sh A	10%**	1: H3B2 (-20°C/+80°C)
heating water	EPDM	6EP1385	black	62 Sh A	18%	
	EPDM	EP7010	black	72 Sh A	12%	
	EPDM	EP851	black	83 Sh A	12%	

*Conditions of compression set:

EPDM: 24h at 150°C
FKM: 24h at 200°C

HNBR: 72h at 150°C
NBR: 24h at 100°C/ 125°C**

Drinking water approvals:

1-ACS
2-DM174
3-EN681-1
4-KIWA
5-KTW/UBA
6- W270
7-W534
8-NSF
9-ÖNORM
10-WRAS

Gas approvals:

1-EN549
2-EN682





HUTCHINSON®



WORLDWIDE LOCATIONS



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► EUROPE

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