



HUTCHINSON®

We make it *possible*

# PRECISION SEALING SYSTEMS

## HEAVY EQUIPMENT



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](http://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.

All compounds and parts are developed and manufactured in our plants, using the highest standards in the industry.



## SECURE YOUR PRODUCTION

Stationary, agricultural and construction machinery operate under extreme conditions and have a lifespan of several decades.

The quality of the seals is important to ensure a safe environment and the durability of the machinery.

Hutchinson is certified TS16949 and ISO9001, has a 0ppm-Quality approach and provides the related documentation such as PPAP. This enables us to meet the safety and long term durability requirements of the non-road heavy equipment market.

For diesel engines, drive trains, filters, HVAC, hydraulic equipment and fuel lines, Hutchinson offers NBR, EPDM and low temperature FKM.

For oil and transmission applications, high performance AEM and HNBR materials are available.



With Hutchinson, you have the guarantee of in-house manufacturing, highest quality levels and outstanding sealing performance over a long time



## SEALING SOLUTIONS



### O-RINGS

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



### 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 screw, bolt, connector or flange assembly.
- > Widely used in hydraulic connectors and fuel return lines.
- > Various metal/rubber combinations available.
- > Self-centralizing.
- > Low torque required for safe sealing.

- > Wide range of compounds: NBR, FKM, EPDM, HNBR, ACM, AEM, IIR, CR, VMQ, FVMQ...
- > Hardness from 50 to 98 Shore A
- > Temperatures from -50°C up to +320°C
- > From low to high pressure

## COMPOUNDS

Family	Compound	Color	Hardness	Temperature range	Peak Temperature
HNBR	7DT1593	black	72 Sh A	-30 - 130°C	170°C
HNBR	7DT2072	black	72 Sh A	-50 - 130°C	160°C
HNBR	8DT1724	black	82 Sh A	-30 - 130°C	170°C
HNBR	9DT1889	green	90 Sh A	-30 - 125°C	165°C
HNBR*	7DT2080	brown	75 Sh A	-30 - 130°C	170°C
NBR	PB701	black	68 Sh A	-30 - 100°C	120°C
NBR	7PB496	black	70 Sh A	-30 - 110°C	130°C
NBR	PD853	black	80 Sh A	-45 - 90°C	120°C
FKM	DF701	black	66 Sh A	-25 - 200°C	250°C
FKM	7DF2148	black	70 Sh A	-35 - 200°C	250°C
FKM	7DF2371	black	70 Sh A	-40 - 200°C	250°C
FKM	DF801	black	78 Sh A	-25 - 200°C	250°C
FKM	DF901	black	90 Sh A	-25 - 200°C	250°C
AEM	7DE2138	black	73 Sh A	-40 - 160°C	175°C
ACM	DA80	black	74 Sh A	-20 - 150°C	175°C

\* self lubricating





# 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  
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### ▶ SOUTH AMERICA

Monte Alto - BRAZIL  
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### ▶ ASIA

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