



# PROTECT, INSULATE, SECURE: EXCELLENCE IN SEALING



# IMPROVING SAFETY AND COMFORT AROUND THE WORLD

Our sealing technologies ensure comfort and safety in commercial and military aircraft, regional, business jets and helicopters, from the cockpit and jet engines to the cabin, wings and fuselage. Manufacturers enhance aircraft safety and cabin comfort with our end-to-end sealing solutions combining materials science and engineering.

## ELASTOMER APPROVED COMPOUNDS

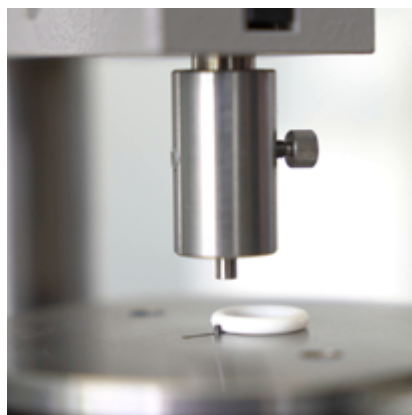
Our materials are engineered to comply with key European and International standards, ensuring reliability and performance in critical applications. We ensure our materials meet the highest standards of quality and consistency required by the Aerospace and Defense industries. All our compounds are mixed in-house under tightly controlled conditions. We maintain full traceability of every ingredient and formulation, ensuring consistent quality, compliance, and accountability throughout the production process.

Hutchinson is certified to AS9100D and NADCAP/AC7115 and operates an ISO/IEC 17025 accredited laboratory through A2LA for mechanical testing.

### NF-L Approvals\*

Approvals	Rubber Family	Compound	Colors	Properties	Examples of use
17261:61D8	FVMQ	8SF56A	Blue	Low temperature, fuel resistance	Fuel systems
17164:64C8	FKM	7DF710A	Black	High temperature	Jet engines
17168:68B8	FKM	8DF2418A	Brown	High thermal stability	HTS oil
17260:60C7	FKM	1982276	Brown	High temperature / Chemical resistance	Hydraulic, Jet engines
17260:60C7	FKM	DF150A	Black	High temperature, wear resistance	Hydraulics
17241:41B8	EPDM	8EP2187A	Black	Skydrol resistant	Hydraulics
EN 2261	VMQ	SL1013A	Brick-red	High/low temperature	Fluid systems
17123:23B7	NBR	PB7013A	Black	Low temperature resistance	Hydraulics
17120:20A8	NBR	PC851A	Black	Hydraulic fluid with mineral base, synthetic hydrocarbon base	Hydraulics
17131:31B6	CR	N603A	Black	Low temperature resistance	Cold zone without fuel

\*Non-exhaustive list



## OUR SOLUTIONS



### O-RINGS

- Wide range of dimensions
- Compounds compatible with kerosene, hydraulic oils, ventilating air...
  - Hardness from 50 to 98 Sh.A
  - Low to high pressures
  - Temperatures from -62 to 260°C (-80 to 500°F)
- **Applications:** Hydraulic systems, Engines, Fuel systems, HVAC



### BONDED SEALS

- Metal-rubber seals for flange sealing in applications using gas or liquids, up to 2000 bars, high-pressure and vibration resistance
- Metal washer: steel, stainless steel, aluminum alloy & anticorrosive surface coatings
- **Applications:** Hydraulic systems, Engines, Fuel systems, HVAC



### SHAFT SEALS

- Energy efficiency: Low friction to reduce energy consumption
- Bimaterial dynamic seals for high speed shaft
- **Applications:** Rotary wings, rotative shafts (engines and gearboxes) and actuators



### PLATE SEALS

- Wide range of dimensions
- Wide range of rubber compounds
- **Applications:** engines, fuel and oil systems, hydraulics, gearbox...



### SPECIAL SEALS

- Membranes, diaphragms (rubber & fabrics), Inflatable seals
- Compounds electrically conductive for EMI and ESD
- **Applications:** doors and windows seals, cockpit...



### MAGNET RINGS

- Magnetic custom made parts
- Combining elastic properties of rubber and strong rubber/metal adhesion
- **Applications:** sensors, actuators and positioning systems (ABS, trim, flaps,...)



### WING AND BODY ACCESS PANELS

- Common Panel alloys - aluminum, Stainless Steel, Titanium
- Specially designed "void-volume" seal cross-section, Seal vulcanized mechanically or chemically bonded
- **Applications:** thermal management, electronic units, oil filtration systems, engines, fuel and hydraulic systems



### CUSTOM MOLDED RUBBER PARTS

- Spacers, isolators, bumpers, wire grommets, and custom configurations
- Thickness from 0.5 mm
- **Applications:** electronic wiring, engine, ECS Systems



### GROUNDING RINGS

- Extends life of the E-motor
- High linear speed up to 60m/s
- **Applications:** Flight controls, landing systems, targeting systems, launchers

## NADCAP/PRI Approvals

Hutchinson is actively engaged in the NADCAP/PRI approval process. Our portfolio includes compounds that meet the Aerospace Material Specifications (AMS) and MIL-DTL-25988 Revision D specification.

### AMS Specifications

These materials are tailored for aerospace applications, offering outstanding thermal stability, chemical resistance, and mechanical integrity.

Approvals	Rubber Family	Compound	Colors	Specifications
AMS-R-25988 Ty I Cl 1 Gr 60	FVMQ	TH1247-00	Blue	Submitted for NADCAP approval
AMS-R-25988 Ty I Cl 1 Gr 70	FVMQ	TH1257-00	Blue	NADCAP listed
AMS-R-25988 Ty I Cl1 Gr 80	FVMQ	TH1258-00	Blue	Submitted for NADCAP approval
AMS-R-25988 Ty I Cl3 Gr 75	FVMQ	TH1248-00	Blue	Submitted for NADCAP approval
AMS-P-5315	NBR	SR0822B60	Black	NADCAP listed
AMS-5510B	NBR	SR0810B90	Black	Submitted for NADCAP approval
AMS-7259F	FKM	SR2704-90	Black	NADCAP listed
AMS-7270M	NBR	SR0836-70	Black	Submitted for NADCAP approval
AMS-7271K	NBR	SR0823-65	Black	Submitted for NADCAP approval
AMS-7272G	NBR	SR0392-70	Black	NADCAP listed
AMS-7273D	FVMQ	TH1248-01	Blue	Submitted for NADCAP approval
AMS-7276J	FKM	SR2702-75	Black	NADCAP listed
AMS-7276J	FKM	SR2776-75	Brown	NADCAP listed
AMS-7287A	FKM	SR2722-75	Black	NADCAP listed
AMS-P-25732E	NBR	D25-75	Black	WPAFB listed

### MIL-DTL-25988 Approvals

We offer several elastomeric compounds that comply with the MIL-DTL-25988 Revision D specification:

- Type I: O-Rings and other compression seals
- Type II: Molded parts (other than compression seals), sheets, strips and extruded shapes.

Approvals	Compound	Rubber Family	Colors	Specifications
<b>Type I</b>				
Class 1 Grade 60	TH1247-00	FVMQ	Blue	Meets NADCAP PRI Requirements, in approval process
Class 1 Grade 70	TH1257-00	FVMQ	Blue	Meets NADCAP PRI Requirements, in approval process
<b>Type II</b>				
Class 1 Grade 60	TH1247-00	FVMQ	Blue	Recognized by WPAFB
Class 1 Grade 70	TH1257-00	FVMQ	Blue	Recognized by WPAFB
Class 1 Grade 80	TH1258-00	FVMQ	Blue	Recognized by WPAFB
Class 3 Grade 60	TH1248-00	FVMQ	Blue	Recognized by WPAFB



## CUSTOM-ENGINEERED AEROSPACE SOLUTIONS BUILT ON TRUST AND PERFORMANCE

Hutchinson is a trusted partner in the design and development of custom-engineered components for the aerospace industry's most demanding environments.

With recognized expertise in approved materials and controlled processes, the company supports its customers at every stage of their projects. From initial design through qualification, Hutchinson delivers reliable and high-performance technical solutions. Its know-how addresses the needs of all stakeholders, from engineering teams to production and maintenance operations. Deeply embedded in the aerospace supply chain, Hutchinson works closely with leading OEMs and Tier-1 suppliers. The company is committed to ensuring quality, regulatory compliance, and full traceability. This comprehensive approach meets the industry's requirements for safety, durability, and performance.

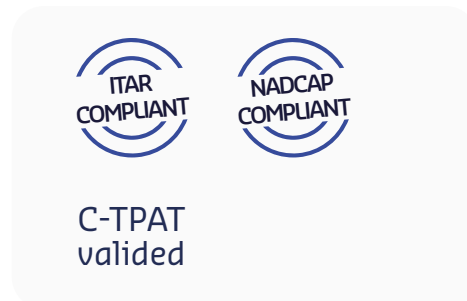
Hutchinson actively contributes to the competitiveness and innovation of the aerospace sector. Its long-standing commitment makes Hutchinson a key player in the aerospace value chain. A reliable partner delivering tailored, sustainable solutions..

Our plants are certified :

*Europe and International*



*North American Free Trade Agreement (Nafta)*



## ABOUT US

Hutchinson designs and delivers multi-material solutions that address critical challenges in safety, comfort and sustainability for the most demanding industries, including Aerospace, Automotive and Industrial markets. The Group relies on strong scientific expertise in acoustics and vibration, sealing systems, fluid transfer and thermal management, sensing and actuation, protection and structural solutions, and power transmission.



**40 000**  
employees



**25**  
countries  
out of 4 continents



**5%**  
invested each year  
in research &  
innovation



Explore our  
website



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We make it **possible**