



O-RINGS

**CRUCIAL COMPONENTS FOR THE EFFICIENCY
OF AUTOMOTIVE A/C SYSTEMS**



In the automotive sector every detail matters.

In the A/C systems for vehicles the seals play a fundamental role in ensuring the system operates correctly, preventing leaks and maintaining overall efficiency. The HNBR (Hydrogenated Nitrile Butadiene Rubber) O-Rings are among the most reliable components and widely used components for this purpose.

In this article we will explore why these small components are essential for the performance of A/C systems in vehicle.

What are HNBR O-Ring?

The HNBR O-Rings are circular rubber seals, designed to withstand extreme temperature and pressure conditions. The HNBR, a material highly resistant to oil, to heat and ozone, is particularly suitable for automotive A/C systems where temperatures can vary drastically and the exposure to refrigerant fluid is constant. Thanks to their composition, these O-Ring maintain the system integrity even under severe conditions, reducing the risk of refrigerant leaks.

The O-Ring range for A/C systems

We offer a wide range of HNBR O-Ring kits, available in various sizes and forms to fit different vehicle models.

Our kit 58.60999, for example, contains 1.057 pieces divided into 79 different products, each carefully selected to ensure perfect compatibility with the most common A/C systems.

In our range there are various kits specially designed to meet the dimensional standards required by each car manufacturer. This grants perfect compatibility with various vehicle models from brands like Ford, Renault, Alfa Romeo, up to a Porsche e Jaguar guaranteeing that every A/C system functions exactly as meant by the car manufacturer.



58.60999

ADVANTAGES OF HNBR O-RINGS

- **Resistance to extreme Temperatures:** The HNBR O-Ring can withstand a wide range of temperatures, making them ideal for vehicle A/C systems, which must operate under variable weather conditions.
- **Long Lasting Durability:** The chemical composition of HNBR provides these O-Ring with long lifespan, reducing the need of frequent replacements.
- **Versatility available in various sizes:** the HNBR O-Ring in HNBR are designed to fit different connections and components.
- **Reliability:** these O-Rings are especially resistant to deformations, ensuring that the seals remain effective even under constant pressure.

THE IMPORTANCE OF MAINTENANCE

Although the HNBR O-Rings are not designed to last, it is essential to make periodical checks on the A/C systems to ensure the seals remain in good condition. Natural wear and challenging operating conditions can impact their effectiveness over time. For this reason, we recommend that our customers replace O-Rings whenever maintenance is performed on A/C systems.

